

**Jameco Industries Site**  
**WYANDANCH, SUFFOLK COUNTY, NEW YORK**

---

**Periodic Review Report**

**NYSDEC Site Number: #1-52-006**

**Prepared for:**

Watts Water Technologies, Inc.  
815 Chestnut Street  
North Andover, MA 01845

**Prepared by:**

Goldman Environmental Consultants, Inc.  
60 Brooks Drive, Braintree, MA 02184  
(781) 356-9140

---

**JUNE 2012**

# TABLE OF CONTENTS

<b>1.0</b>	<b>EXECUTIVE SUMMARY .....</b>	<b>1</b>
<b>2.0</b>	<b>SITE OVERVIEW.....</b>	<b>2</b>
<b>3.0</b>	<b>REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS.....</b>	<b>5</b>
<b>4.0</b>	<b>IC/EC PLAN COMPLIANCE REPORT .....</b>	<b>6</b>
<b>5.0</b>	<b>MONITORING PLAN COMPLIANCE REPORT .....</b>	<b>8</b>
<b>6.0</b>	<b>OVERALL CONCLUSIONS AND RECOMMENDATIONS .....</b>	<b>13</b>
<b>7.0</b>	<b>WARRANTY .....</b>	<b>14</b>

## FIGURES

- Figure 1: Site Locus  
Figure 2: Site Plan

## TABLES

- Table 1: Groundwater Monitoring Plan  
Table 2: Summary of Groundwater Analytical Data: SVOCs  
Table 3: Summary of Groundwater Analytical Data: Total Metals

## ATTACHMENTS

- Attachment 1: Periodic Review Report Certification Statement and IC/EC Certification Forms  
Attachment 2: NYSDEC SMP approval letter dated August 12, 2009  
Attachment 3: Suffolk County Clerk's Office certified copy of registered Environmental Easement  
Attachment 4: Groundwater Analytical Reports  
Attachment 5: Site visit field notes, photographs and groundwater sampling logs for September 21, 2011 and April 2, 2012 site visits and sampling events  
Attachment 6: Research on source of SVOC constituents

# PERIODIC REVIEW REPORT

## 1.0 EXECUTIVE SUMMARY

Goldman Environmental Consultants, Inc. (GEC) of Braintree, Massachusetts has been retained by Watts Water Technologies, Inc. (Watts), to prepare the following Periodic Review Report (PRR) for the site ("Site") located at 248 Wyandanch Avenue, Wyandanch, New York. A PRR is required for sites in active Site Management (SM) with the New York State Department of Environmental Conservation (NYSDEC) as promulgated in Section 6.3(b) of DER-10. This PRR covers the reporting period of September 14, 2011 to May 31, 2012 and concerns site-specific SM requirements as described in the Site Management Plan (SMP) dated July 27, 2009 prepared by GEC and approved by the NYSDEC.

The Site (#1-52-006) consists of approximately 7.4 acres and is located in a mixed industrial/commercial/residential area. The Site is improved with a single-story concrete block building surrounded by paved and unpaved parking and storage areas as well as areas overgrown by shrubs and grasses. A Site Locus is included as Figure 1 and a Site Plan is included as Figure 2. The Site is currently owned and occupied by Linzer Products, Inc. (Linzer), a manufacturer of painting industry products. Linzer has occupied the Site since early 1999. Prior to 1999, Jameco Industries (Jameco) occupied the property. Jameco used the Site to manufacture plumbing fixtures, some of which involved plating parts with chrome and nickel.

The environmental conditions at the Site are broken down into five Areas of Concern (AOC). Elevated concentrations of metals and volatile organic compounds (VOCs) from plating activities and process wastewater discharges were measured across several portions of the Site in areas identified as AOC-1, AOC-2, AOC-3, and AOC-5. Semi-VOCs (SVOCs) from a release of cutting oil were detected in the northern portion of the Site identified as AOC-4.

Remedial activities conducted at the Site were completed in January 2008 and summarized in the August 2011 Final Engineering Report prepared by GEC. They included: the closure of the concrete leaching pool structures, the removal of contaminated soils, in-situ solidification/stabilization of metals in soils, and the implementation of Institutional Controls/Engineered Controls (IC/EC) as described in an Environmental Easement (EE) prepared for the Site and executed by the current owner, Linzer. Currently the remedial program consists of long-term groundwater monitoring and the inspection of the five AOCs with respect to the SMP dated July 27, 2009, and the Soil Management Plan dated January 22, 2009.

### ***Effectiveness of the Remedial Program***

Generally, the remedial program has proven effective with regards to fulfilling the remediation goals put forth in the SMP. Only slightly elevated concentrations of nickel and copper remain in groundwater at the Site.

### ***Compliance***

GEC has not identified any non-compliance issues with the groundwater sampling program, SMP, or the IC/EC described in the EE. On January 23, 2012, the NYSDEC notified Linzer that all remediation work required at the Site has been completed and it has reclassified the Site as a Class IV environmental site. As such, Watts has addressed the “existing OHM condition” and fulfilled its obligation as required in the Purchase and Sale agreement with Linzer. Under the Environmental Easement that Linzer entered with NYSDEC on August 2, 2012, Linzer assumed all of the remaining obligations under the NYSDEC-approved Site Management Plan, which includes periodic inspections, monitoring and PRRs to the NYSDEC. In a letter dated May 16, 2012, Linzer has agreed to take over the responsibility for the remaining periodic inspections, monitoring and reporting as outlined in the Site Management Plan. As such, all future inspections, monitoring and reporting will be undertaken by Linzer.

### ***Recommendations***

The requirements for discontinuing SM have not yet been met. However, based on observed decreases of contaminant concentrations in several groundwater monitoring wells since the remedial activities, GEC proposed to the NYSDEC in GEC’s December 2009 Annual Monitoring Report to eliminate several monitoring wells and eliminate one or more analyses for some wells. This revised sampling plan has been followed since that time. GEC recommends continued evaluation of the analytical results to determine if additional reductions are appropriate in the future. The frequency of sampling events and Site inspections is expected to continue to be semi-annually (twice yearly) while the frequency of PRR submittals will change from semi-annually to annually (once yearly).

## **2.0 SITE OVERVIEW**

The Site is located in the County of Suffolk, New York and is identified as Block 02 and Lots 73.1 and 37.6 on the Suffolk County Tax Map, Parcel Numbers District 0100, Section 82.00. The 9.35 ± acre (Parcels 1 and 3) site is located within a mixed industrial/commercial/residential area bounded by Wyandanch Avenue to the north, Rockland Avenue to the east, Mount Avenue to the west-southwest, and residential properties to the south-southeast. Refer to Figure 2 for a site plan depicting the boundaries of the Site.



The following paragraphs briefly describe the nature and extent of soil contamination prior to site remediation. Again, refer to Figure 2 for a site plan depicting the location of all five AOCs.

AOC - 1 is located to the southeast of the building directly east of the current loading dock area. This area was formerly a seepage lagoon where four heavy metals chromium, nickel, copper and zinc came to be deposited at levels exceeding relevant standards, criteria, and guidance (SCGs) in soil as a result of former wastewater treatment practices. All four metals were also detected in groundwater downgradient of AOC-1; however, only nickel was detected above SCGs.

AOC - 2 is located inside the former Jameco facility near the center of the building and was formerly a degreasing area. Elevated levels of the VOCs TCE, 1,2-DCE, and PCE were detected above SCGs in soil and groundwater in this area.

AOC - 3 is a square area extending southward from the southern property line where forty-eight leaching chambers were formerly located that received treated process water discharge. Four heavy metals including chromium, nickel, copper and zinc came to be deposited in soil during the leaching process. Moderate to elevated concentrations of metals above SCGs were detected in soils in this area. Low to moderate concentrations of metals above SCGs were also detected in groundwater within the former leaching pool area.

AOC - 4 is located both beneath and in front of the building's north side where machine cutting oil was discharged to a leaching pool system. As a result, both soil and groundwater in the area were impacted by the presence of nonaqueous phase liquid (NAPL) and SVOCs.

AOC - 5 is located inside the former Jameco facility near the center of the building and was formerly a metal plating shop. Metals including chromium, nickel, copper and zinc were detected in soil at levels exceeding SCGs. In groundwater, chromium, copper, and zinc were detected at concentrations above SCGs.

In December 1983, the New York State Department of Environmental Conservation (NYSDEC) listed the Site as a Class 2a site. Then in May 1992 the NYSDEC reclassified the Site to Class 2; however, after a petition from Jameco Industries, Inc. the Site was reclassified to Class 4 in February 1993. Following additional investigations the Site was reclassified back to Class 2 in February 1996. The NYSDEC issued a Record of Decision (ROD) for the Site dated March 2003. GEC recommended amendments to the ROD based on the results of supplemental subsurface investigations conducted in accordance with a *Work Plan for Soil and Groundwater Sampling and Analysis* dated June 2003. The results of the subsurface investigation were documented in a *Draft Final Pre-Remedial Design / Remedial Action Soil and Groundwater Sampling Work Plan* dated May 2004. On May 11, 2005, NYSDEC issued a ROD Amendment letter outlining proposed amendments to the selected alternative remedies for the affected areas.

In August 2005 GEC submitted the Remedial Design Plan summarizing the steps necessary to implement the proposed Amended ROD. The final ROD Amendment was subsequently issued in March 2006 and ROD activities commenced in the fall of 2006. ROD activities began with chemical injections on November 6, 2006 and were completed with the replacement of monitoring wells MW-3 and MW-4 on April 29, 2008. The Final Engineering Report (FER) prepared by GEC and dated August 29, 2011, summarized remedies conducted at the Site in accordance with the ROD and provided the most recent groundwater monitoring data collected prior to the submittal of the FER.

The NYSDEC approved the FER on September 14, 2011. On January 23, 2012, the NYSDEC changed the Site classification From Class 2 to Class 4. Among the reasons the NYSDEC cited for this change were that the remedy has been constructed consistent with the ROD Amendment and the requisite institutional controls, in the form of an environmental easement, were in place.

As stated in the Amended Record of Decision (ROD), the Remedial Action Objectives (RAOs) were to eliminate or mitigate all significant threats to public health and/or the environment.

The remediation goals for the Site were to eliminate or reduce to the extent practicable:

- Exposures of persons at or around the Site to metals and SVOCs in soil and groundwater; and
- The release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards.

The remediation goals for the Site also included attaining, to the extent practicable, and with changes authorized by NYSDEC staff:

- Ambient Class GA groundwater quality standards; and
- The soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

As part of the Amended ROD, groundwater monitoring is required. The SMP dated July 27, 2009 and submitted to NYSDEC, describes the post-remedial groundwater monitoring plan, a reporting schedule and appropriate institutional controls.

According to the groundwater sampling plan, samples were to be collected from those wells identified in Table 1 and analyzed for the listed analytes. Samples were to be conducted quarterly for the first year after initiation of the remediation and then semi-annually for the next four years. The year of quarterly sampling was completed on September 11, 2008, while the

semi-annual monitoring began in March 2009 and has continued since with the most recent round conducted on April 2, 2012. This report summarizes the semi-annual sampling conducted during September 2011 and April 2012.

According to the Amended ROD, an environmental easement was to be implemented and a soil management plan developed to ensure safety in the event that contaminated soils were to be disturbed during any future subsurface construction activities. On August 2, 2010 Linzer, the current Site owner, executed an environmental easement in a form submitted to and approved by the NYSDEC. The easement was recorded by the Suffolk County Clerk's Office on August 2, 2010. Please refer to Attachment 3 for a copy of the recorded EE.

A Soil Management Plan was issued to the NYSDEC and approved along with the SMP on August 12, 2009. Please refer to Attachment 2 for a copy of the NYSDEC approval letter. According to the plan, a periodic certification, prepared by a professional engineer or environmental professional acceptable to NYSDEC, must be submitted, which must certify that the institutional controls and engineering controls put in place, pursuant to the ROD, are still in place, have not been altered and are still effective. Periodic certification must be provided until the NYSDEC provides notice in writing that this certification is no longer required.

### **3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS**

Institutional and engineering controls (IC/EC) established for the Site include the maintenance of a protective soil cover system over each AOC and a prohibition against using groundwater as a source of potable or process water without water quality treatment. These controls have been implemented to successfully reduce exposures of persons at or around the Site to metals and SVOCs in soil and groundwater.

The selected remedies to reduce or eliminate the release of contaminants from soil into groundwater have proven effective at remediating nickel, copper, chromium, zinc, and SVOCs in groundwater.

- Semi-annual groundwater sampling results show only slightly elevated concentrations of nickel persist across the Site. The highest concentration is seen in the shallow wells downgradient of AOC-1, AOC-3, and AOC-5. However, the recently reported concentrations of nickel are low relative to historic concentrations and are generally only slightly above the applicable Class A Groundwater standard. Refer to Table 3 for a summary of groundwater analytical data.
- Semi-annual groundwater sampling results show only slightly elevated concentrations of copper persist in one monitoring well (MW-12) downgradient of AOC-5. While

the reported concentrations are low relative to historic data, recent samples from MW-12 show a slight upward trend. Even though elevated levels of copper persist in MW-12, copper has largely been effectively remediated to levels below Ambient Class GA groundwater quality standards across the Site. Similarly, although nickel concentrations in MW-12 have increased recently, they remain relatively low. Refer to Table 3 for a summary of groundwater analytical data. In addition, the selected remedies to reduce or eliminate the release of contaminants from soil into groundwater have proven effective at remediating chromium and zinc in groundwater to levels below Ambient Class GA groundwater quality standards. Refer to Table 3 for a summary of groundwater analytical data. The selected remedies to reduce or eliminate the release of SVOC compounds from soil into groundwater have proven effective at remediating SVOCs in groundwater to levels below Ambient Class GA groundwater quality standards. Refer to Table 3 for a summary of groundwater analytical data.

#### **4.0 IC/EC PLAN COMPLIANCE REPORT**

##### ***Institutional Controls***

Institutional Controls at the Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in groundwater by prohibiting the use of groundwater as a source of potable or process water without appropriate water quality treatment. An Environmental Easement (EE) has been recorded on the property Deed with additional restrictions imposed to ensure safety in the event that residual contaminated soils were to be disturbed. See Attachment 3 for a copy of the Environmental Easement as recorded. The Environmental Easement requires a soil management plan if/when excavation activities take place on Site in any of the AOCs. A Soil Management Plan was submitted as an attachment in the approved SMP. The SMP was approved by the NYSDEC in a letter dated August 12, 2009 (See Attachment 2). The Soil Management Plan describes what is required during any future excavation work within the AOCs. Linzer, the Site owner, will also be required to provide semi-annual certification to NYSDEC certifying that the institutional and engineering controls are still in place and effective.

The performance of the institutional controls is evaluated by visual inspections and interviews with on-Site representatives for the current owner of the facility. Interviews consist of asking the current owner about any future plans to utilize groundwater water at the Site or if any excavations were conducted and/or are planned to be conducted within an AOC.

### ***Engineering Controls***

Engineering controls consisting of soil cover systems placed over contaminated soil/fill remaining on Site were established to prevent exposure of persons at or around the Site to metals and SVOCs in soil. Figure 2 shows the five AOCs and the form of engineering control at each AOC. The cover system is different in each of the AOCs and is comprised of one or more of the following:

- clean backfill,
- bituminous concrete (“asphalt”) pavement; and/or,
- concrete foundation slabs of buildings.

Performance for each type of soil cover system is evaluated by conducting a visual inspection to evaluate the integrity and completeness of the cover over each AOC.

### ***Status of IC/EC Objectives***

GEC visited the Site on September 21, 2011 and April 2, 2012 to inspect Site conditions concerning the AOCs on-Site, and collect groundwater samples. Please refer to site visit notes and photographs in Attachment 5 documenting conditions of each AOC at each site visit. Both the institutional and engineered controls described above are fully in place and were effective at fulfilling the objective to prevent exposure of persons at or around the Site to metals and SVOCs in soil and groundwater.

- AOC-1 is completely covered by the bituminous concrete pavement adjacent to the loading docks.
- AOC-2 and AOC-5 are completely within the existing Site building and covered by the concrete foundation slab.
- AOC-3 is covered by approximately 5 feet of clean backfill (0 to 5 feet deep) and 6 feet of excavated soil reused for backfill (6 to 11 feet deep). Approximately 6 to 12 inches of compacted crushed concrete and Recycled Concrete Aggregate (RCA) blend is located at the surface.
- AOC-4 is about 75 percent located beneath the building concrete foundation slab, and about 25 percent located in front of the building and covered with approximately 8 to 10 feet of clean backfill soils, including a vegetative cover (grass) at the surface.

- According to an interview with Linzer personnel, the company does not have plans to develop groundwater at the Site for any kind of use, nor has Linzer conducted or planned to conduct trenching or excavation activities within any AOC.

### ***Corrective Measures***

No corrective measures are needed at this time.

### ***Conclusions and Recommendations***

Current Site conditions comply with the provisions of the IC/EC Plan.

GEC does not have any recommendations regarding the IC/EC plan.

## **5.0 MONITORING PLAN COMPLIANCE REPORT**

### ***Groundwater Monitoring Plan Components***

There are currently 24 existing groundwater-monitoring wells on-Site; however, a subset of only 16 monitoring wells is included in the Monitoring Plan. Initially, ten monitoring wells were sampled quarterly for one year after initiation of the remedy for metals in AOC-1 (initiation date November 2006), AOC-3 (November 2007), and AOC-5 (October 2006), and thirteen monitoring wells were sampled quarterly for one year after initiation of the remedy for SVOCs in AOC-4 (October 2006). Subsequently, the frequency of groundwater monitoring was reduced to semi-annually for all wells beginning with the March 2009 sampling round.

The Monitoring Plan stipulates that prior to sampling the groundwater level in each well shall be measured and recorded. Groundwater samples are to be collected with the low-flow sampling method and field parameters such as dissolved oxygen, pH, temperature, and specific conductance are to be monitored. Once the parameters stabilize within ten percent, then sample collection can begin. Laboratory analysis includes total chromium, copper, nickel, and zinc via EPA Method 60108/7000s and/or SVOCs via EPA Method 8270C. Samples must be submitted to a certified New York state laboratory under proper chain-of-custody documentation. Please refer to table below for a summary of the groundwater monitoring plan.

*Table I*

<b>Monitoring Well</b>	<b>Metals (1)</b>	<b>Semi-VOCs (2)</b>
MW-2	X	
MW-3	X	X
MW-4	X	
MW-5R	X	X
MW-6R	X	
MW-7	X	X
MW-10	X	X
MW-11	X	X
MW-12	X	X
MW-16		X
MW-17		X
MW-19		X
MW-20		X
MW-21		X
MW-23		X
MW-26R	X	X
<b>Total</b>	<b>10</b>	<b>13</b>

Notes: (1) Total metals analysis for chromium, copper, nickel, and zinc via EPA Method 60108/7000s

(2) SVOC analysis via EPA Method 8270C

### ***Monitoring Completed During Reporting Period***

Since the submittal of the FER in August 2011, two rounds of long-term groundwater monitoring were conducted during September 2011 and April 2012. During both rounds a total of 11 monitoring wells were sampled for metals or SVOCs as shown in *Table II* below. Prior to sampling the groundwater level in each well was measured and recorded. Peristaltic pumps with disposable polyethylene tubing were used to purge and sample shallow monitoring wells, while a submersible bladder pump was used to sample any well deeper than 25 feet. Groundwater samples were collected using the USEPA Region II “Groundwater Sampling Procedure – Low Stress (low flow) Purging and Sampling (March 16, 1998) and field parameters monitored

included: dissolved oxygen, pH, temperature, specific conductance, ORP, and turbidity. Laboratory analysis included total chromium, copper, and nickel via EPA Method 6010B/7000A or SVOCs via EPA Method 8270C. Samples were submitted to a New York State certified laboratory under proper chain-of-custody documentation. Copies of analytical reports and chains-of-custody are attached as Attachment 4.

Please refer to table below for a summary of the groundwater monitoring conducted during the September 2011 and April 2012 monitoring rounds.

*Table II*

<b>Monitoring Well</b>	<b>Chromium (1)</b>	<b>Copper (1)</b>	<b>Nickel (1)</b>	<b>Semi-VOCs (2)</b>
MW-2			X	
MW-3			X	
MW-4			X	
MW-5R			X	
MW-10	X	X	X	
MW-12	X	X	X	
MW-19				<b>(3)</b>
MW-20				X
MW-21				X
MW-23				X
MW-26R	X	X	X	
<b>Total</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>4</b>

Notes: (1) Total metals analysis for chromium, copper, and/or nickel via EPA Method 60108/7000s

(2) SVOC analysis via EPA Method 8270C

(3) MW-19 was not sampled due to the observation of sheen (<0.01 ft) of LNAPL in the September 2011 and April 2012 sampling events

### ***Comparison with Remedial Objectives***

The remediation goals for the Site include attaining, to the extent practicable, ambient Class GA groundwater quality standards. Overall, metal concentrations are low compared to historical data; however, metals in groundwater at several monitoring wells remain at concentrations above the applicable Class GA groundwater quality standard. Results from groundwater samples collected from the three wells sampled for SVOC analysis indicated no



detections above laboratory detection limits for any constituent. However, the applicable groundwater quality standards for two SVOC constituents (benzo(a)anthracene and chrysene) are lower than the laboratory detection limits, using standard EPA and NYSDEC approved methodology (EPA 8270C). GEC recommends the use of EPA 8270 SIM (selective ion monitoring) for future analyses in order to achieve NYSDEC groundwater objective concentrations for benzo(a)anthracene and chrysene. Additionally, one well, MW-19, has not been sampled since March 2011 due to the presence of a Light, Non-Aqueous Phase Liquid (LNAPL) sheen (<0.01 feet thickness, which is the precision of the Solinst 122 oil/water interface probe used to measure groundwater elevation and LNAPL) in the monitoring wells.

The most recent data indicate that five of the seven wells sampled for metals analysis (MW-2, MW-3, MW-4, MW-5R, and MW-12) exceed the applicable GA groundwater standard for nickel. Only one of the three monitoring wells sampled for copper (MW-12) exceeded the GA groundwater standard during the reporting period. No sample exceeded the GA groundwater standard for chromium during the reporting period. While concentrations remain relatively low across the Site and within historic ranges, the concentrations of copper and nickel were slightly higher during the April 2012 sampling round. Levels in other wells also fluctuate over the reporting period. Please refer to Table 3 for a summary of analytical data for total metals.

In both recent rounds of data, no SVOCs related to the cutting oil release in groundwater were reported above laboratory detection limits. The detection limits for the majority of SVOC constituents are sufficiently low to meet the Class GA groundwater quality standards; the laboratory detection limits for benzo(a)anthracene and chrysene, however, are not sufficiently low to meet their respective standards using EPA Method 8270C. GEC recommends the use of EPA Method 8270 SIM in order to achieve the required detection limits for benzo(a)anthracene and chrysene. During September 2008 chrysene was detected at and just above the standard when the laboratory detection limit was sufficiently low to meet the groundwater quality standard; however, since that time the detection limit has never been low enough to meet the standard. Chrysene may be present in groundwater at concentrations equal to or just above the standard. Please refer to Table 2 for a summary of SVOC analytical data.

It should be noted that several SVOC constituents (benzyl-alcohol, 4-chloroaniline, 3,3-dichloro-benzidine, 3-nitroaniline, 4-nitroaniline, and pyridine in MW-21) were detected for the first time at the Site during the September 2011 monitoring round. GEC believes these compounds were not actually present in the groundwater at the Site. Near the time of sampling GEC personnel used spray paint to label monitoring wells in the vicinity of AOC-4. Based on research, refer to Attachment 6, and the April 2012 monitoring round analytical data, GEC concludes that the compounds detected in the groundwater samples were associated with the spray paint and not representative of Site conditions.

### ***Changes to Groundwater Monitoring Component of Site Management Plan (SMP)***

Monitoring during this reporting period complied with the change previously proposed to the NYSDEC in GEC's December 2009 Annual Monitoring Report, which summarized the first six rounds of groundwater monitoring data collected after the completion of the remedial actions, and made recommendations to eliminate monitoring wells. During the course of long-term groundwater monitoring it became evident that individual wells no longer exceeded Class GA groundwater quality standards for one or more analyses. Therefore GEC reduced the groundwater monitoring scope by eliminating SVOC sampling for MW-3, MW-5R, MW-7, MW-10, MW-11, MW-12, MW-16, MW-17, and MW-26R. In addition, metals sampling was reduced to sampling for chromium, copper and nickel only in MW-10, MW-12 and MW-26R, and nickel only in MW-2, MW-3, MW-4 and MW-5R. The changes to the sampling plan can be seen by comparing *Tables I and II* provided above. GEC understands that NYSDEC has verbally approved these changes to the SMP groundwater sampling plan.

### ***Conclusions and Recommendations for Changes***

Based on the two groundwater monitoring rounds conducted during September 2011 and April 2012, Site conditions appear to have remained relatively stable since March 2011. Concentrations of nickel in groundwater above the Class GA groundwater quality standards persist across the Site in wells downgradient of AOC-1, AOC-3, and AOC-5. Concentrations of copper above the groundwater quality standard persist in only one well downgradient of AOC-5. SVOCs were not reported in groundwater above the laboratory detection limits for the majority of constituents included in the analysis. Two constituents, benzo(a)anthracene and chrysene, have had chronically high laboratory detection limits above the applicable groundwater quality standards. It is possible chrysene exists in groundwater at a concentration equal to or greater than the groundwater quality standard. GEC recommends that future groundwater analyses use the EPA 8270 SIM method in order to achieve lower detection limits.

Based on the concentrations of SVOCs and the metals chromium, copper and nickel observed during this reporting period, GEC recommends maintaining the reduced groundwater monitoring plan previously proposed to the NYSDEC in GEC's December 2009 Annual Monitoring Report. Please refer to *Table II* for a listing of monitoring wells and analyses performed during this reporting period and recommended for the next reporting period.

On January 23, 2012, the NYSDEC notified Linzer that all remediation work required at the Jameco site has been completed and it has reclassified the Site as a Class IV environmental site. As such, Watts has addressed the "existing OHM condition" and fulfilled its obligation as required in the Purchase and Sale agreement with Linzer. Under the Environmental Easement that Linzer entered with NYSDEC on August 2, 2012, Linzer assumed all of the remaining obligations under the NYSDEC-approved Site Management Plan, which includes semi-annual

inspections and groundwater monitoring rounds with annual PRR submittals to the NYSDEC. In a letter dated May 16, 2012, Linzer has agreed to take over the responsibility for the remaining inspections, monitoring and reporting as outlined in the Site Management Plan (note the change to annual reporting as opposed to semi-annual as stated in the Site Management Plan). As such, all future inspections, monitoring and reporting will be undertaken by Linzer.

## **6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

### ***SMP Compliance***

The IC/EC established in the EE prevents exposure of persons at or around the Site to metals and SVOCs in soil and groundwater. All requirements of the IC/EC and EE were met during the reporting period. Linzer, not Watts, will continue to conduct Site inspections to verify the effectiveness of the IC/EC.

Long-term groundwater monitoring was established in the SMP to determine if cleanup goals for groundwater could be achieved. The monitoring plan was modified in GEC's December 2009 Annual Monitoring Report based on years of data which showed clean groundwater in certain monitoring wells. GEC understands that NYSDEC has verbally approved these changes and recommends that the revised groundwater monitoring plan, as shown in *Table II* above, be used for the next reporting period.

### ***Performance and Effectiveness of the Remedy***

The IC/EC established in the EE are effective in achieving the remedial objective to eliminate exposures of persons at or around the Site to metals and SVOCs in soil and groundwater. Currently the groundwater data have shown that the other remedial objectives have been or will likely be obtained over time: to reduce the release of contaminants from soil into groundwater that may create exceedances of ambient groundwater quality standards; to meet ambient Class GA groundwater quality standards; and to meet soil cleanup objectives specified in Technical and Administrative Guidance Memorandum (TAGM) #4046.

Continued groundwater monitoring, as revised in GEC's December 2009 Annual Monitoring Report, is needed to confirm the effectiveness of the remedial actions. While SVOCs are degrading naturally, copper and nickel persist at low levels according to analytical data.

The current remedy has significantly improved water quality. GEC expects that the remedial objectives for metals and SVOCs in groundwater at the Site will be obtained over time.

***PRR Submittal Schedule***

The frequency of PRR submittals will change from semi-annually to annually. The next PRR will be due one year from the submittal deadline of this report, or June 30, 2013. The frequency of sampling events and Site inspections will continue to be semi-annual (twice yearly) and the frequency of PRR submittals will be annual.

**7.0 WARRANTY**

The conclusions and recommendations contained in this report are based on the information available to GEC as of the date of this document. The conclusions and recommendations may require revision if future regulatory changes occur. GEC provides no warranties on information provided by third parties and contained herein. Data compiled was in accordance with GEC's existing procedures and consistent with the NYSDEC regulations, and should not be construed beyond its limitations. Any interpretations or use of this report other than those expressed herein are not warranted.

The use, partial use, or duplication of this report without the written consent of Goldman Environmental Consultants, Inc., and the Watts Water Technologies, Inc. is strictly prohibited.

Respectfully submitted,

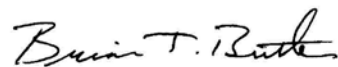
**Goldman Environmental Consultants, Inc.**

Prepared By:



Matthew D. Wilson  
Assistant Project Manager

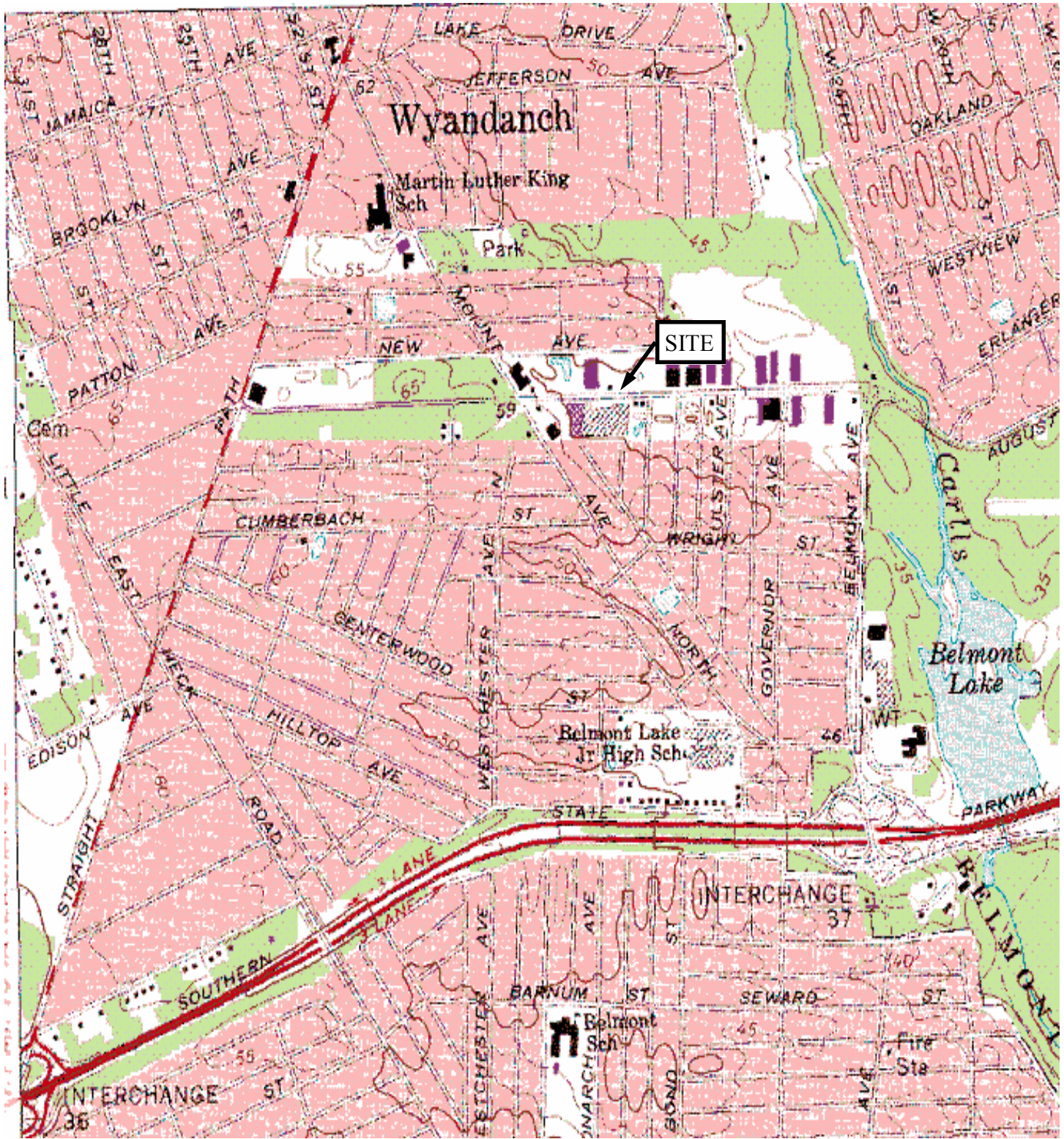
Approved By:



Brian T. Butler, PG  
Vice President, Waste Site Program

## **FIGURES**





USGS 7.5 Minute Topographic

Bay Shore  
New York, Quadrangle



Goldman Environmental Consultants, Inc.  
60 Brooks Drive  
Braintree, MA 02184  
(781)356-9140 Fax: (781)356-9147  
www.goldmanenvironmental.com

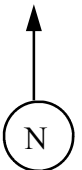
**SITE LOCUS**

248 Wyandanch Avenue  
Wyandanch, New York

GEC Project #: 444-5010

**Figure 1**

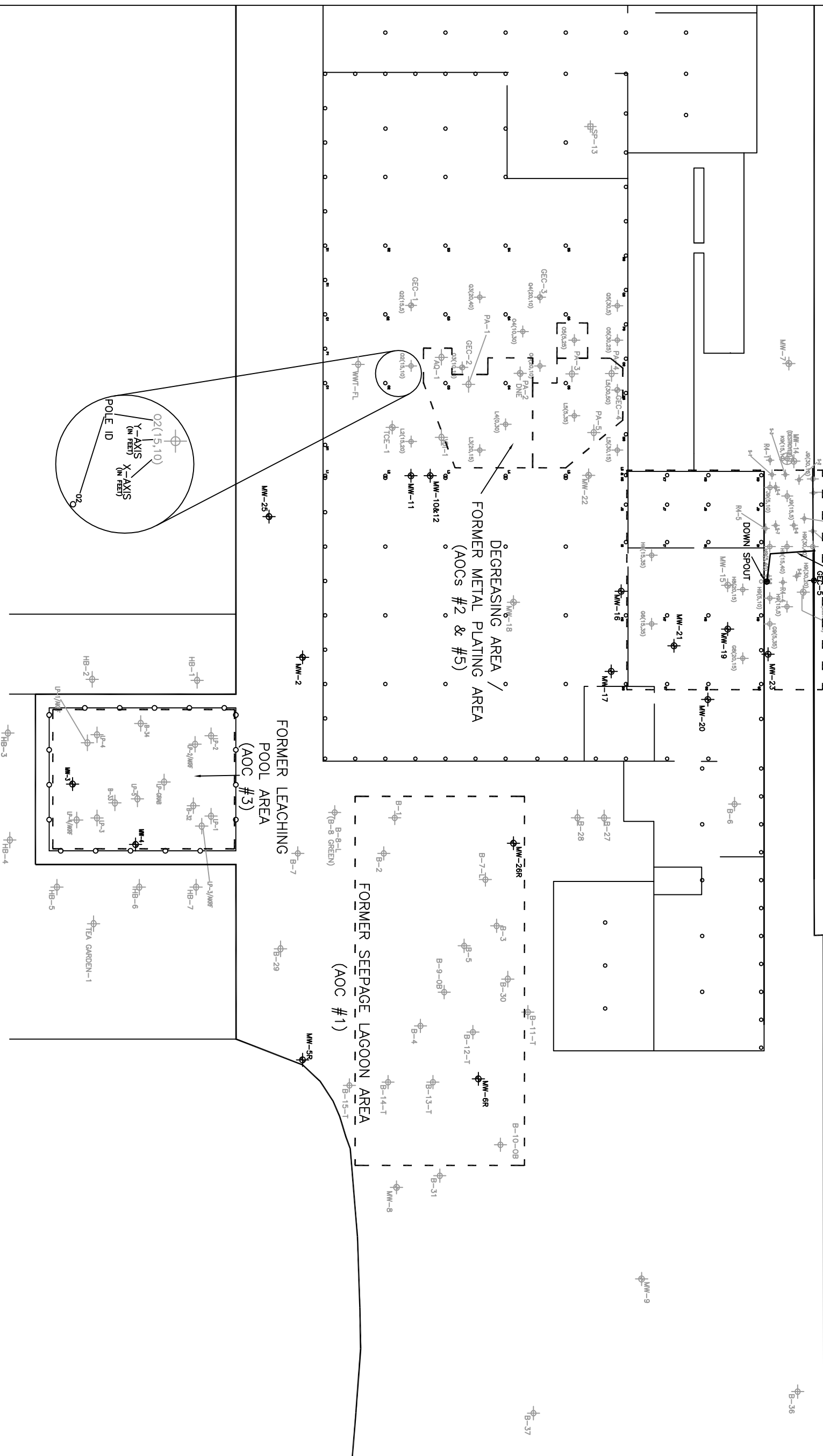
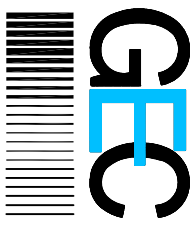
Scale  
1 : 25,000



# WYANDANCH

CUTTING OIL RELEASE AREA  
(AOC #4)

# AVENUE

Goldman Environmental Consultants, Inc.  
60 Brooks Drive  
Braintree, MA 02184  
(781) 356-9140 Fax: (781) 356-9147  
www.GoldmanEnvironmental.com

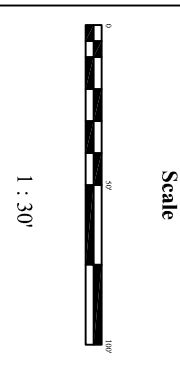
**Legend**

- Site Boundary
- - - Axis of Concern
- ⊕ Monitoring Well
- ⊕ Boring Location
- Support Column

- Special Notes**
- 1.) This drawing is a graphical representation only and should not be used as a survey.
  - 2.) Borelogs taken from Suffolk County Tax Map Dist. 100 Sect. 82 Block 2 Lot 73.1.
  - 3.) Support Columns based on plan by John Schmitt P.C. Architect, A.I.A. number 8884, A1, dated 1-1-2009.
  - 4.) MW-10 Deep well (67') next to MW-12 shallow well (15').

**Revisions**

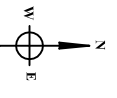
Date	By	AMW
February 27, 2006	JRE	JRM
March 30, 2011	JRE	JRM



**Site Plan of Remediation Areas & Sample Locations**

at  
Former Lampco Facility  
248 Wyandanch Avenue  
Wyandanch, New York

WOHS  
GEC Project Number 44-408H



2

Figure No.

## **TABLES**



**Table 1**  
**Groundwater Monitoring Plan**  
 248 Wyandanch Avenue, Wyandanch, New York

<b>Monitoring Well</b>	<b>Associated AOC</b>	<b>Total Metals (1)</b>	<b>Semi-VOCs (2)</b>
MW-2	AOC-2	X	
MW-3	AOC-3	X	X
MW-4	AOC-3	X	
MW-5R	AOC-1	X	X
MW-6R	AOC-1	X	
MW-7 <sup>(3)</sup>	---	---	---
GEC-5 <sup>(3)</sup>	AOC-4	X	X
MW-10	AOC-2 and -5	X	X
MW-11	AOC-2 and -5	X	X
MW-12	AOC-2 and -5	X	X
MW-16	AOC-4		X
MW-17	AOC-4		X
MW-19	AOC-4		X
MW-20	AOC-4		X
MW-21	AOC-4		X
MW-23	AOC-4		X
MW-26R	AOC-1 and 4	X	X
<b>Total</b>		<b>10</b>	<b>13</b>

- (1) Total metals analysis for chromium, copper, nickel, and zinc.  
 Analysis via EPA Method 60108/7000s.
- (2) Semi-VOCs analysis. Analysis via EPA Method 8270C.
- (3) Monitoring Well MW-7 was paved over and has been replaced by GEC-5

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Acenaphthene		Anthracene		Benzo (a) anthracene		Benzyl alcohol		4-Chloroaniline		Chrysene		3,3-Dichloro benzidine		2,4-Dichlorophenol		Di-n-butyl phthalate		Diethyl phthalate				
			SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		
MW-3 (AOC #3)	1/25/2007	8270	ND	10	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	12/4/2007***	well not sampled, destroyed during soil excavation																							
	4/16/2008***	Well destroyed during soil remediation, to be replaced.																							
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND	1.03	ND	0.02	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.02	NS	1.07	
	9/28/2009***	8270C	ND	0.93	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	1.06	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
MW-4 (AOC #3)	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/16/2008***	Well destroyed during soil remediation, to be replaced.																							
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	1.06	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	1.14	ND	1.06	ND	1.06	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
MW-5R (AOC #1)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/6/2006	8270	ND	0.30	ND	0.20	ND	0.05	ND	0.05	ND	0.20	ND	0.20	ND	1	ND	0.20	ND	0.20	ND	0.20	ND	0.20	
	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND	0.1	ND	0.02	ND	0.02	ND	---	ND	0.02	ND	0.02	ND	0.02	NS	0.02	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	1.14	ND	1.06	ND	1.06	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
	MW-10 (AOC # 2/5)	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
		4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
9/11/2008***		Sample container broken in transit to laboratory																							
3/30/2009***		8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	1.00	ND	1.03	ND	1.00	ND	1.03	ND	1.00	1.23	1.13	
9/28/2009***		8270C	ND	1.07	ND	0.88	ND	1.08	ND	1.08	ND	1.00	ND	1.00	ND	1.03	ND	1.00	ND	1.03	ND	1.00	1.23	1.13	
MW-11 (AOC # 2/5)	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND	0.1	ND	0.02	ND	0.02	ND	---	ND	0.02	ND	0.02	ND	0.02	NS	0.02	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
MW-12 (AOC # 2/5)	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND	0.1	ND	0.02	ND	0.02	ND	---	ND	0.02	ND	0.02	ND	0.02	NS	0.02	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	1.14	ND	1.06	ND	1.06	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
	MW-16 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10
12/15/2003		8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
4/6/2006		8270	ND	0.3	ND	0.2	ND	0.05	ND	0.05	ND	0.2	ND	0.2	ND	1	ND	0.2	ND	0.2	ND	0.2	ND	0.2	
1/25/2007***		8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
12/4/2007***		8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
4/16/2008***		8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
9/11/2008***		Sample container broken in transit to laboratory																							
3/30/2009***		8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
9/28/2009***		8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
Standard and Guidance Values			20**		50**		0.0020**		5.0**		5.0**		0.0020**		5.0**		50**		50**		50		NV		

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the date of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL

SQL= Sample Quantitation Limit

‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/l.

ND= Not Detected above SQL.  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 ‡= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\*= Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5† = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Fluoranthene		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis(2-Ethylhexyl) phthalate	
			SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL
MW-3 (AOC #3)	1/25/2007	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	12/4/2007***	well not samp	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/16/2008***	Well destroyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
MW-4 (AOC #3)	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	Well destroyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
MW-5R (AOC #1)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	0.1	ND	1	ND	1	ND	1
	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND	0.97	ND	1.00	ND	1.12	ND	1.12	ND	1.12	ND	1.12
MW-10 (AOC # 2/5)	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	Sample contain	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
	9/28/2009***	8270C	ND	0.91	ND	0.96	ND	0.86	ND	0.92	ND	0.92	ND	0.95	ND	1.06	ND	1.06	ND	1.06	ND	1.06
MW-11 (AOC # 2/5)	1/29/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
MW-12 (AOC # 2/5)	1/24/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
	9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND	0.97	ND	1.00	ND	1.12	ND	1.12	ND	1.12	ND	1.12
MW-16 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10
	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	0.1	ND	1	ND	1	ND	1
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	Sample contain	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01	
Standard and Guidance Values			50**		50**		NV		10**		50**		5.0**		50**		50**		50**		5.0	

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL  
 SQL= Sample Quantitation Limit  
 ‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/L.

ND= Not Detected above SQL  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 ‡= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\*= Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5<sup>+</sup> = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Acenaphthene		Anthracene		Benzo (a) anthracene		Benzyl alcohol		4-Chloroaniline		Chrysene		3,3-Dichloro benzidine		2,4-Dichlorophenol		Di-n-butyl phthalate		Diethyl phthalate		
			SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		
MW-17 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10			
	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5			
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5			
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	
	9/11/2008***	Sample container broken in transit to laboratory																					
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.95	ND	0.95	ND	1.07	
MW-19 (AOC #4)	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
MW-20 (AOC #4)	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND	0.05	ND	0.2	ND	0.2	ND	1	ND						
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND						
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND				ND	5	
	9/11/2008***	Well was not sampled.																					
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.17	1.07		
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	1.14	ND	1.06	ND	0.76	ND	1.09	ND	1.08	ND	1.19	1.07		
	4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.68	ND	0.98	ND	0.97	ND	1.07			
MW-21 (ACO #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND						
	4/6/2006	8270	ND	0.29	ND	0.19	ND	0	ND	0	ND	0	ND	0	ND	1	ND						
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND						
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND				ND	5	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND				ND	5	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND	0.1	ND	0.03	0.02	ND	NA	---	ND				NS		
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.02			
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.02			
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	1.03	ND	0.95	ND	0.98	ND	0.98	ND	0.97	ND	1.07			
Note 4	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	<b>5.31</b>	0.53	<b>21.80</b>	0.52	ND	1.06	2.18	0.76	ND	1.09	ND	1.08	ND	1.19	
	4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95	ND	0.68	ND	0.98	ND	0.97	ND	1.07	
Standard and Guidance Values				20**		50**		0.0020**		5.0**		5.0**		0.0020**		5.0**		50**		50		NV	

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL

SQL= Sample Quantitation Limit

‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/L.

ND= Not Detected above SQL  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 ‡= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\*= Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5 = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Fluoranthene		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis(2-Ethylhexyl) phthalate	
			SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL
MW-17 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10
	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5
	9/11/2008***	Sample contain	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01
9/28/2009***	8270C	ND	0.86	ND	0.81	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.01	
MW-19 (AOC #4)	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5.22‡	0.82	4.09‡	1	ND	ND	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	5.75‡
MW-20 (AOC #4)	4/6/2006	8270	ND	0.50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	0.1	ND	1	ND	1	ND	ND
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	ND
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	ND
	9/11/2008***	Well was not	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5.54‡	0.82	4.94‡	0.87	ND	ND	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	5.61‡
	9/21/2011***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND	0.67	ND	1.00	ND	1.12	ND	1.12	ND	0.41	ND	1.60
	4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
MW-21 (ACO #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	ND	ND
	4/6/2006	8270	ND	0	ND	0.95	ND	1	ND	1	ND	1	ND	1	ND	0	ND	1	ND	1	ND	ND
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	ND
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	ND
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	ND
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	ND
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.87	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5‡	0.82	3.41‡	0.87	ND	ND	ND	0.90	ND	1.01	ND	1.01	ND	1.01	ND	5.57‡
Note 4	9/21/2011***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	15.10	0.67	2.65	1.19	ND	1.00	ND	1.12	8.47	0.41	2.58	1.60
	4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44
Standard and Guidance Values			50**		50**		NV		10**		5.0**		5.0**		50**		50**		50**		5.0	

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL.  
 SQL= Sample Quantitation Limit  
 ‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/L.

ND= Not Detected above SQL  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 ‡= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\*= Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5' = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Acenaphthene		Anthracene		Benzo (a) anthracene		Benzyl alcohol		4-Chloroaniline		Chrysene		3,3-Dichloro benzidine		2,4-Dichlorophenol		Di-n-butyl phthalate		Diethyl phthalate		
			SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL		SQL
MW-23 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND		ND	10	ND	10	ND	10	ND	10	ND				
	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND				
	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.5	ND		ND	0.2	ND	0.2	ND	0.2	ND	1	ND				
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND				
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND			ND	5
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND			ND	5
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND	0.02	0.02	ND	NA	---	ND	NA	---	ND		NS	
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.98	ND	0.97	ND	1.07	1.07
	9/28/2009***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.98	ND	0.97	ND	1.23	1.07
	3/24/2010***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.98	ND	0.97	ND	1.23	1.07
	3/23/2011***	8270C	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.98	80.3‡	0.97	ND	1.07	1.07
	9/21/2011***	8270C	ND	1.13	ND	0.93	ND	1.14	ND	0.53	ND	0.52	ND	1.06	ND	0.76	ND	1.09	ND	1.08	ND	1.19	1.19
4/2/2012***	8270C	ND	1.02	ND	0.84	ND	1.03	ND	0.48	ND	0.47	ND	0.95	ND	0.68	ND	0.98	ND	0.97	ND	1.07	1.07	
MW-26R (AOC #1)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND				
	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND	0.2	ND	0.2	ND	0.2	ND	1	ND	0.2			
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND				
	12/4/2007***	8270	ND	10	ND	10	ND	10	ND		ND	10	ND	10	ND	10	ND	10	ND	10	ND	10	10
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	5
	9/10/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.1	ND		ND	0.02	ND	ND	NA	---	ND	0.02	ND	0.02	NS		
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.95	ND	0.95	ND	1.07	1.07
	9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND	1.06	ND	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19
GEC-5 <sup>+</sup> (AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND				
	4/6/2006	8270	ND	0.3	ND	0.2	ND	0.05	ND		ND	0.2	ND	0.2	ND	0.2	ND	1	ND	0.2			
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND		ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	5
	9/11/2008***	Sample container broken in transit to laboratory																					
	3/30/2009***	8270	ND	1.02	ND	0.84	ND	1.03	ND		ND	0.95	ND	ND	ND	0.98	ND	0.95	ND	0.95	ND	1.07	1.07
9/28/2009***	8270C	ND	1.13	ND	0.93	ND	1.14	ND		ND	1.06	ND	ND	1.09	ND	1.06	ND	1.06	ND	1.06	ND	1.19	
Standard and Guidance Values			20**		50**		0.0020**		5.0**		5.0**		0.0020**		5.0**		50**		50		NV		

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the date of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL.

SQL= Sample Quantitation Limit

‡= The method blank associated with these samples contained Naphthalene at 5.43 ug/L, 2-Methylnaphthalene at 5.57 ug/L, Di-n-butylphthalate at 82.7 ug/L and bis(2-ethylhexyl)phthalate at 5.82 ug/L.

ND= Not Detected above SQL  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 †= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\*= Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5<sup>+</sup>= Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)**  
 248 Wyandanch Avenue, Wyandanch, New York  
 (unit, parts per billion [ppb] µg/L)

Sample Identification	Sample Date	Analytical Method	Fluoranthene		Fluorene		2-Methyl naphthalene		Naphthalene		3-Nitroaniline		4-Nitroaniline		Phenanthrene		Pyrene		Pyridine		bis(2-Ethylhexyl) phthalate	
			SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL	SQL
MW-23 (AOC #4)	4/6/1999	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	
	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	12/4/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	
	9/11/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	9/28/2009***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/24/2010***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.44
	3/23/2011***	8270C	ND	0.86	ND	0.91	5.04‡	0.82	3.65‡	0.87	ND		ND		ND	0.90	ND	1.01	ND		5.76‡	1.44
	9/21/2011***	8270C	ND	0.96	ND	1.01	0.96	J 0.91	1.37	BJ 0.97	ND	0.67	ND	1.19	ND	1.00	ND	1.12	ND	0.41	2.19	J 1.60
4/2/2012***	8270C	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND	0.60	ND	1.07	ND	0.90	ND	1.01	ND	0.37	ND	1.44	
MW-26R (AOC #1)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	1/25/2007***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	12/4/2007***	8270	ND	10	ND	10	ND	10	ND	10	ND		ND		ND	10	ND	10	ND		ND	10
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/10/2008***	8270M(SIM)	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND		ND		ND	0.5	ND	0.5	ND		ND	0.5
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12	
GEC-5 <sup>+</sup> (AOC #4)	12/15/2003	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	4/6/2006	8270	ND	0.5	ND	1	ND	1	ND	1	ND		ND		ND	0.1	ND	1	ND		ND	1
	4/16/2008***	8270	ND	5	ND	5	ND	5	ND	5	ND		ND		ND	5	ND	5	ND		ND	5
	9/11/2008***	Sample contain	---	---	---	---	---	---	---	---		ND		---	---	---	---	---	---		---	---
	3/30/2009***	8270	ND	0.86	ND	0.91	ND	0.82	ND	0.87	ND		ND		ND	0.90	ND	1.01	ND		ND	1.01
9/28/2009***	8270C	ND	0.96	ND	1.01	ND	0.91	ND	0.97	ND		ND		ND	1.00	ND	1.12	ND		ND	1.12	
Standard and Guidance Values			50**		50**		NV		10**		5.0**		5.0**		50**		50**		50**		5.0	

Notes: 1) Ambient Water Quality Standards and Guidance Values provided in the New York State and Technical Operational Guidance Series (TOGS 1.1.1). For Class GA Groundwater, developed in support of 6 NYCRR Part 700-705 (revised June 1998).  
 2) Analytical data for method blank is grouped with appropriate laboratory sample batch. Dates provided for method blanks represent the data of laboratory analysis.  
 3) Phenol was detected in sample MW-20 on 12/11/02 but not a significant amount, results is less than RL but greater than or equal to MDL  
 SQL= Sample Quantitation Limit  
 ‡= The method blank associated with these samples contained Naphthalene at 5.43 µg/L, 2-Methylnaphthalene at 5.57 µg/L, Di-n-butylphthalate at 82.7 µg/L and bis(2-ethylhexyl)phthalate at 5.82 µg/L.

ND= Not Detected above SQL  
 NV= No standard or guidance value available as of June 1998 revision.  
 \*\*= Refers to a Guidance value where no Standard exists  
 J= Compound analyzed for and determined to be present in sample. Mass spectrum of compound meets identification criteria for method. Concentration listed as estimated value, less than contract required detection limit but greater than instrument detection limit.  
 \*\*\* = Samples collected after completion of remedial action.  
 8270= USEPA Method 8270  
 GEC-5<sup>+</sup> = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**TOTAL METALS**  
 248 Wyandanch Avenue  
 Wyandanch, New York  
 (unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium		Copper		Nickel		Zinc		
				SQL		SQL		SQL		SQL	
MW-2 (AOC #2/5)	5/23/1994	NG	<b>9.12</b>	--	<b>3.16</b>	--	<b>4.49</b>	--	0.747	--	
	1/27/1995	NG	<b>4</b>	--	<b>3.8</b>	--	<b>5.7</b>	--	0.70	--	
	11/18/1998	3010/6010	NS	--	<b>0.231</b>	--	<b>10.6</b>	--	0.263	*	
	11/15/2000	NG	<b>0.2560</b>	--	NA	--	NA	--	NA	--	
	12/11/2002	6010/7470/7196	<b>0.389</b>	--	<b>0.292</b>	0.010	<b>1.4</b>	0.010	0.048	B 0.05	
	12/15/2003	200.7/6010	ND	--	0.0197	0.0005	NA	--	0.015	0.01	
	4/5/2006	6010	0.017	0.005	0.0623	0.005	NA	--	0.042	0.01	
	4/5/2006	6010	0.010	0.005	NA	--	NA	--	NA	--	
	1/24/2007***	6010B	ND	0.010	0.088	0.025	<b>0.44</b>	0.04	ND	0.2	
	12/4/2007***	200.7	ND	0.05	ND	0.05	<b>0.30</b>	0.05	ND	0.05	
	4/16/2008***	200.7	ND	0.05	ND	0.05	<b>0.30</b>	0.05	ND	0.05	
	9/10/2008***	200.7	ND	0.001	0.024	0.001	<b>0.202</b>	0.001	0.119	0.002	
	3/30/2009***	610/200.7	ND	0.0016	ND	0.0029	<b>0.150</b>	0.0005	0.040	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	ND	0.0026	<b>0.140</b>	0.0005	0.0044	0.0044	
	3/24/2010***	846/6010/200.7	NA	--	NA	--	<b>0.130</b>	0.0017	NA	--	
	3/23/2011***	846/6010	NA	--	NA	--	<b>0.29</b>	0.00072	NA	--	
	9/21/2011***	846/6010	NA	--	NA	--	<b>0.17</b>	0.00072	NA	--	
	4/2/2012***	846/6010	NA	--	NA	--	<b>0.24</b>	0.0014	NA	--	
	MW-3 (AOC #3)	5/23/1994	NG	<b>0.139</b>	--	<b>0.597</b>	--	<b>1.75</b>	--	0.109	--
		1/27/1995	NG	<b>0.320</b>	--	<b>4.5</b>	--	<b>3.5</b>	--	0.68	--
11/17/1998		3010/6010	NA	--	0.13	--	<b>0.195</b>	--	0.0492	*	
12/11/2002		6010/7470/7196	<b>0.203</b>	--	<b>0.30</b>	0.010	<b>1.39</b>	0.010	0.0956	0.05	
12/16/2003		200.7/6010	<b>0.056</b>	--	0.0837	0.0005	NA	--	0.071	0.01	
1/24/2007		6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2	
12/4/2007***		Well not sampled, destroyed during remediation				--	--	--	--	--	
4/16/2008***		Well destroyed during soil remediation, to be replaced.				--	--	--	--	--	
9/10/2008***		200.7	0.050	0.001	0.094	0.001	<b>0.225</b>	0.001	0.053	0.002	
3/30/2009***		610/200.7	ND	0.0016	0.066	0.0029	<b>0.130</b>	0.0005	0.045	0.0044	
9/28/2009***		846/6010/200.7	0.013	0.0016	0.071	0.0029	<b>0.120</b>	0.0005	0.030	0.0044	
3/24/2010***		846/6010/200.7	NA	--	NA	--	0.064	0.0017	NA	--	
3/23/2011***		846/6010	NA	--	NA	--	0.074	0.00072	NA	--	
9/21/2011***		846/6010	NA	--	NA	--	0.091	0.00072	NA	--	
4/2/2012***	846/6010	NA	--	NA	--	<b>0.110</b>	0.0014	NA	--		
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0		

Notes:  
 NS= Not Sampled  
 SQL= Sample Quantitation Limit  
 NA= Not Analyzed  
 ND= Not detected above SQL  
 NG = Analytical Method not provided by previous consultant  
 Methods = Standard USEPA Methods

B= Analyte is found in the blanks as well as the sample.  
 \*\*\* = Sample collected after completion of remedial actions  
 -- = Sample quantitation limits not provided or not available.  
 E= Detected concentration exceeds calibration curve range.  
 T= Analysis by EcoTest due to short holding time  
 \*= Duplicate analysis not within control limit.  
**Bold= Exceeds Standard**



**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**TOTAL METALS**  
 248 Wyandanch Avenue  
 Wyandanch, New York  
 (unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium		Copper		Nickel		Zinc		
			SQL		SQL		SQL		SQL		
MW-4 (AOC #3)	12/11/2002	6010/7470/7196	0.049	--	0.102	0.010	<b>2.1</b>	0.010	0.0561	0.05	
	12/16/2003	200.7/6010	0.010	--	0.0769	0.0005	NA	--	0.151	0.01	
	4/6/2006	6010	<b>0.160</b>	0.005	0.1040	0.005	NA	--	0.181	0.01	
	4/6/2006	6010	<b>0.150</b>	0.005	NA	--	NA	--	NA	--	
	1/24/2007	6010B	<b>0.19</b>	0.01	0.14	0.025	<b>2.2</b>	0.04	0.3	0.2	
	12/4/2007***	200.7	<b>0.08</b>	0.05	0.14	0.05	<b>1.65</b>	0.05	0.26	0.05	
	4/16/2008***	Well destroyed during soil remediation, to be replaced.									
	9/10/2008***	200.7	0.035	0.001	0.048	0.001	<b>1.11</b>	0.001	0.124	0.002	
	3/30/2009***	610/200.7	0.017	0.0016	ND	0.0029	<b>0.620</b>	0.0005	0.130	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	0.041	0.0029	<b>0.440</b>	0.0005	0.082	0.0044	
	3/24/2010***	846/6010/200.7	NA		NA		<b>0.500</b>	0.0017	NA		
	3/23/2011***	846/6010	NA	--	NA	--	<b>0.65</b>	0.00072	NA	--	
	9/21/2011***	846/6010	NA		NA		<b>0.92</b>	0.00072	NA		
4/2/2012***	846/6010	NA		NA		<b>0.31</b>	0.0014	NA			
MW-5R (AOC #1)	12/16/2003	200.7/6010	ND	--	0.0419	0.0005	NA	--	0.090	0.005	
	4/6/2006	6010	0.009	0.005	0.1260	0.005	NA	--	0.1020	0.0100	
	4/6/2006	6010	<b>0.007</b>	0.005	NA	--	NA	--	NA	--	
	1/25/2007***	6010B	ND	0.01	<b>1.4</b>	0.025	<b>0.14</b>	0.04	ND	0.2	
	12/4/2007***	200.7	ND	0.05	ND	0.05	<b>0.19</b>	0.05	0.21	0.05	
	4/16/2008***	200.7	ND	0.05	ND	0.05	<b>1.61</b>	0.05	0.85	0.05	
	9/10/2008***	200.7	0.0009	B 0.001	0.008	0.001	0.070	0.001	0.089	0.002	
	3/30/2009***	610/200.7	0.017	0.0016	ND	0.0029	<b>0.20</b>	0.0005	0.130	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	ND	0.0029	<b>0.16</b>	0.0005	0.070	0.0044	
	3/24/2010***	846/6010/200.7	NA		NA		<b>0.17</b>	0.0017	NA		
	3/23/2011***	846/6010	NA	--	NA	--	<b>1.18</b>	0.00072	NA	--	
	9/21/2011***	846/6010	NA		NA		ND	0.00072	NA		
	4/2/2012***	846/6010	NA		NA		<b>0.22</b>	0.0014	NA		
MW-6R (AOC #1)	12/16/2003	200.7/6010	ND	--	0.0076	0.0005	NA	--	0.106	0.005	
	4/6/2006	6010	0.043	0.005	0.0329	0.005	NA	--	0.053	0.010	
	4/6/2006	6010	<b>0.023</b>	0.005	NA	--	NA	--	NA	--	
	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2	
	12/4/2007***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05	
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	0.05	0.05	
	9/10/2008***	200.7	ND	0.001	0.005	0.001	0.014	0.001	0.018	0.002	
	3/30/2009***	610/200.7	0.008	0.0016	ND	0.0029	0.032	0.0005	0.063	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	ND	0.0029	ND	0.0005	0.017	0.0044	
	NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0	

Notes:  
 NS= Not Sampled  
 SQL= Sample Quantitation Limit  
 NA= Not Analyzed  
 ND= Not detected above SQL  
 NG = Analytical Method not provided by previous consultant  
 Methods = Standard USEPA Methods

B= Analyte is found in the blanks as well as the sample.  
 \*\*\* = Sample collected after completion of remedial actions  
 -- = Sample quantitation limits not provided or not available.  
 E= Detected concentration exceeds calibration curve range.  
 T= Analysis by EcoTest due to short holding time  
 \*= Duplicate analysis not within control limit.  
**Bold= Exceeds Standard**

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**TOTAL METALS**  
 248 Wyandanch Avenue  
 Wyandanch, New York  
 (unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium		Copper		Nickel		Zinc		
			SQL	SQL	SQL	SQL	SQL	SQL			
MW-10 (AOC #2/5)	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2	
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05	
	9/10/2008***	200.7	0.030	0.001	0.017	0.001	0.011	0.001	0.022	0.002	
	3/30/2009***	610/200.7	<b>0.11</b>	0.0016	ND	0.0029	<b>0.12</b>	0.0005	0.16	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	0.037	0.0029	ND	0.0005	0.018	0.0044	
	3/24/2010***	846/6010/200.7	0.008	0.0010	0.013	0.0031	0.0096	0.0017	NA	NA	
	3/23/2011***	846/6010/200.7	ND	0.0016	ND	0.0029	0.017	0.00072	NA	--	
	9/26/2011***	846/6010/200.7	0.0062	0.0016	0.0091	0.0029	0.0046	0.00072	NA	NA	
	4/2/2012***	846/6010/200.7	0.0240	0.0012	0.0210	0.0034	0.0088	0.0014	NA	NA	
	MW-11 (AOC #2/5)	7/6/1994	NG	<b>0.08</b>	--	<b>0.22</b>	--	0.07	--	0.23	--
11/17/1998		3010/6010	NS	--	0.0105	B	ND	0.0060	ND	* 0.017	
12/15/2003		200.7/6010	0.015	--	0.0071	0.00050	NA	--	0.014	0.005	
4/5/2006		6010	<b>0.620</b>	0.005	0.0592	0.00500	NA	--	0.030	0.010	
4/5/2006		6010	<b>0.420</b>	0.005	NA	--	NA	--	NA	--	
1/25/2007***		6010B	0.04	0.01	ND	0.025	ND	0.04	ND	0.2	
12/4/2007***		200.7	<b>0.14</b>	0.05	ND	0.05	ND	0.05	ND	0.05	
4/16/2008***		200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05	
9/10/2008***		200.7	0.032	0.001	0.011	0.001	0.004	0.001	0.009	0.002	
3/30/2009***		610/200.7	0.044	0.0016	ND	0.0029	0.038	0.0005	0.056	0.0044	
9/28/2009***		846/6010/200.7	0.020	0.0016	ND	0.0029	ND	0.0005	ND	0.0044	
MW-12 (AOC #2/5)		5/23/1994	NG	NS	--	NS	--	NS	--	NS	--
		7/6/1994	NG	ND	--	ND	--	ND	--	0.06	--
	1/27/1995	NG	<b>18.00</b>	--	<b>21</b>	--	<b>21</b>	--	<b>5.60</b>	--	
	11/17/1998	3010/6010	NS	--	<b>5.31</b>	--	<b>7.07</b>	--	0.859	* --	
	12/15/2003	200.7/6010	0.007	--	<b>0.530</b>	0.0005	NA	--	0.289	0.005	
	4/5/2006	6010	0.047	0.005	0.0224	0.005	NA	--	0.059	0.010	
	4/5/2006	6010	0.040	0.005	NA	--	NA	--	NA	--	
	1/25/2007***	6010B	ND	0.01	<b>0.44</b>	0.025	<b>0.29</b>	0.04	ND	0.2	
	4/16/2008***	200.7	ND	0.05	0.13	0.05	0.09	0.05	ND	0.05	
	9/10/2008***	200.7	ND	0.001	0.079	0.001	0.073	0.001	0.022	0.002	
	3/30/2009***	610/200.7	ND	0.002	<b>0.20</b>	0.003	<b>0.24</b>	0.0005	0.11	0.004	
	3/30/2009***	610/200.7	ND	0.0016	<b>0.23</b>	0.0029	<b>0.28</b>	0.0005	0.086	0.0044	
	9/28/2009***	846/6010/200.7	ND	0.0016	0.16	0.0029	0.085	0.0005	0.086	0.0044	
	3/23/2011***	846/6010/200.7	0.014	0.0016	<b>0.22</b>	0.0029	<b>0.20</b>	0.00072	NA	--	
	9/21/2011***	846/6010/200.7	0.026	0.0016	<b>0.43</b>	0.0029	<b>0.71</b>	0.00072	NA	NA	
4/2/2012***	846/6010/200.7	0.045	0.0012	<b>0.83</b>	0.0034	<b>1.73</b>	0.0014	NA	NA		
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0		

Notes:  
 NS= Not Sampled  
 SQL= Sample Quantitation Limit  
 NA= Not Analyzed  
 ND= Not detected above SQL  
 NG = Analytical Method not provided by previous consultant  
 Methods = Standard USEPA Methods

B= Analyte is found in the blanks as well as the sample.  
 \*\*\* = Sample collected after completion of remedial actions  
 -- = Sample quantitation limits not provided or not available.  
 E= Detected concentration exceeds calibration curve range.  
 T= Analysis by EcoTest due to short holding time  
 \*= Duplicate analysis not within control limit.  
**Bold= Exceeds Standard**

**TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA:**  
**TOTAL METALS**  
 248 Wyandanch Avenue  
 Wyandanch, New York  
 (unit, parts per million [ppm], mg/L)

Sample Identification	Sample Date	Analytical Method	Total Chromium		Copper		Nickel		Zinc	
			SQL	SQL	SQL	SQL	SQL	SQL		
MW-26R (AOC #1 and 4)	12/15/2003	200.7/601	ND	--	0.0018	0.00050	NA	--	0.019	0.005
	4/6/2006	3010/6010	0.018	0.005	0.040	0.01	NA	--	0.0740	0.010
	4/6/2006	6010	0.017	0.005	NA	--	NA	--	NA	--
	1/24/2007***	6010B	ND	0.01	ND	0.025	ND	0.04	ND	0.2
	12/4/2007***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	9/10/2008***	200.7	ND	0.001	0.005	0.001	ND	0.001	0.006	0.002
	3/30/2009***	610/200.7	<b>0.095</b>	0.0016	ND	0.0029	<b>0.120</b>	0.0005	0.170	0.0044
	9/28/2009***	846/6010/200.7	ND	0.0016	0.038	0.0029	ND	0.0005	0.0087	0.0044
	3/24/2010***	846/6010/200.7	0.0048	0.0010	0.0720	0.0031	0.0061	0.0017	NA	--
	3/23/2011***	846/6010/200.7	ND	0.0016	0.060	0.0029	0.0062	0.0007	NA	--
	9/21/2011***	846/6010/200.7	ND	U 0.0016	0.0053	0.0029	ND	U 0.00072	NA	--
	4/2/2012***	846/6010/200.7	0.003	0.0012	0.0200	0.0034	0.0019	0.0014	NA	--
GEC-5 <sup>+</sup> (AOC #4)	4/16/2008***	200.7	ND	0.05	ND	0.05	ND	0.05	ND	0.05
	9/10/2008***	200.7	ND	0.001	0.0008	B 0.001	ND	0.001	0.003	0.002
	3/30/2009***	610/200.7	ND	0.0016	ND	0.003	ND	0.0005	0.017	0.0044
	9/29/2009***	846/6010/200.7	ND	0.0016	ND	0.0029	ND	0.0005	ND	0.0044
NYSDEC Class GA Groundwater Standard			0.05		0.2		0.1		2.0	

Notes:  
 NS= Not Sampled  
 SQL= Sample Quantitation Limit  
 NA= Not Analyzed  
 ND= Not detected above SQL  
 NG = Analytical Method not provided by previous consultant  
 Methods = Standard USEPA Methods  
 GEC-5<sup>+</sup> = Replaces MW-7 in groundwater sampling plan. MW-7 previously paved over.

B= Analyte is found in the blanks as well as the sample.  
 \*\*\* = Sample collected after completion of remedial actions  
 -- = Sample quantitation limits not provided or not available.  
 E= Detected concentration exceeds calibration curve range.  
 T= Analysis by EcoTest due to short holding time  
 \*= Duplicate analysis not within control limit.  
**Bold= Exceeds Standard**

**ATTACHMENT 1**



Enclosure 2  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Site Management Periodic Review Report Notice**  
**Institutional and Engineering Controls Certification Form**



	Site Details	Box 1
<b>Site No.</b> 152006		
<b>Site Name</b> Jameco Industries, Inc.		
Site Address: 248 Wyandanch Avenue	Zip Code: 11798	
City/Town: Wyandanch		
County: Suffolk		
Site Acreage: 9.4		
Reporting Period: September 14, 2011 to May 31, 2012		
		YES    NO
1. Is the information above correct?		<input checked="" type="checkbox"/> <input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/> <input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input type="checkbox"/> <input checked="" type="checkbox"/>
<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>		
5. Is the site currently undergoing development?		<input type="checkbox"/> <input checked="" type="checkbox"/>
		<b>Box 2</b>
		YES    NO
6. Is the current site use consistent with the use(s) listed below? Industrial		<input checked="" type="checkbox"/> <input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/> <input type="checkbox"/>
<b>IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.</b>		
<b>A Corrective Measures Work Plan must be submitted along with this form to address these issues.</b>		
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date

**Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
82-2-37.6	Linzer Products Corp.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan O&M Plan Site Management Plan Soil Management Plan
82-2-73.1	Linzer Products Corp.	Ground Water Use Restriction IC/EC Plan Landuse Restriction Monitoring Plan Site Management Plan Soil Management Plan

**Description of Engineering Controls**

<u>Parcel</u>	<u>Engineering Control</u>
82-2-37.6	Cover System Fencing/Access Control
82-2-73.1	Cover System Fencing/Access Control

**Engineering Control Details for Site No. 152006**

**Parcel: 82-2-37.6**

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated via in-situ chemical oxidation injections.

**Parcel: 82-2-73.1**

Subsurface soils which were contaminated with metals from discharges of plating solutions were excavated and disposed of off-site at a permitted disposal facility. Residual metals in subsurface soil were treated in-situ via solidification/stabilization. Residual SVOCs in soil and groundwater were treated via in-situ chemical oxidation injections.

### Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. 152006

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Robert P. Reia at 815 Chestnut St. N. Andover, MA, 01845  
print name print business address

am certifying as Watts Water Technologies Inc - Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Robert P. Reia  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

6/27/2012  
Date



IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew E. Hackman at 97 Asylum Road, Warwick, RI 02886  
print name print business address

am certifying as a Professional Engineer for the Watts Water Technologies, Inc.  
(Owner or Remedial Party)

Matthew E. Hackman  
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



21 JUN 2012  
Date

Seal  
(Required for PE)

**ATTACHMENT 2**

**New York State Department of Environmental Conservation**

**Division of Environmental Remediation, Region One**

50 Circle Road, SUNY @ Stony Brook, New York 11790-3409

Phone: (631) 444-0240 • FAX: (631) 444-0248

Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

August 12, 2009

Mr. Brian Butler  
Goldman Environmental Consultants, Inc.  
60 Brooks Drive  
Braintree, MA 02184-3839

**Re: Jameco Industries #1-52-006  
Site Management Plan**

Dear Mr. Butler,

The New York State Department of Environmental Conservation (NYSDEC) with the concurrence of the New York State Department of Health have reviewed the referenced site management plan (SMP) dated July 27, 2009, and hereby approves it.

Please keep the NYSDEC apprised of any upcoming sampling as outlined in the SMP. If you should have any questions, please feel free to contact me at (631) 444-0246.

Sincerely,

Jamie Ascher  
Engineering Geologist 2

cc: C. Vasudevan  
W. Parish  
Y. Ward  
J. Nealon

**ATTACHMENT 3**



**COUNTY CLERK'S OFFICE**  
**STATE OF NEW YORK**  
**COUNTY OF SUFFOLK**

I, JUDITH A. PASCALE, Clerk of the County of Suffolk and the Court of Record thereof do hereby certify that I have compared the annexed with the original **EASEMENT**

recorded in my office on **09/02/2010** under Liber **D00012636** and Page **360** and, that the same is a true copy thereof, and of the whole of such original.

In Testimony Whereof, I have hereunto set my hand and affixed the seal of said County and Court this **09/02/2010**

**SUFFOLK COUNTY CLERK**

*Judith A. Pascale*

JUDITH A. PASCALE

**SEAL**



SUFFOLK COUNTY CLERK  
 RECORDS OFFICE  
 RECORDING PAGE

Type of Instrument: EASEMENT  
 Number of Pages: 12  
 Receipt Number : 10-0103695  
**TRANSFER TAX NUMBER: 10-02576**

Recorded: 09/02/2010  
 At: 03:38:16 PM  
 LIBER: D00012636  
 PAGE: 360

District: 0100                      Section: 082.00                      Block: 02.00                      Lot: 073.001

EXAMINED AND CHARGED AS FOLLOWS

Deed Amount: \$0.00

Received the Following Fees For Above Instrument

		Exempt			Exempt
Page/Filing	\$60.00	NO	Handling	\$20.00	NO
COE	\$5.00	NO	NYS SRCHG	\$15.00	NO
TP-584	\$5.00	NO	Notation	\$0.00	NO
Cert.Copies	\$7.80	NO	RPT	\$50.00	NO
Transfer tax	\$0.00	NO			
			Fees Paid	\$162.80	

TRANSFER TAX NUMBER: 10-02576

THIS PAGE IS A PART OF THE INSTRUMENT  
 THIS IS NOT A BILL

JUDITH A. PASCALE  
 County Clerk, Suffolk County

Number of pages 12

RECORDED  
2010 Sep 02 03:39:16 PM  
JUDITH A. PASCALE  
CLERK OF  
SUFFOLK COUNTY  
L D00012636  
P 360  
DT# 10-02576

This document will be public record. Please remove all Social Security Numbers prior to recording.

Deed / Mortgage Instrument	Deed / Mortgage Tax Stamp	Recording / Filing Stamps
----------------------------	---------------------------	---------------------------

3		FEES	
Page / Filing Fee	<u>60</u>	Mortgage Amt.	_____
Handling	<u>20.00</u>	1. Basic Tax	_____
TP-584	<u>5</u>	2. Additional Tax	_____
Notation	_____	Sub Total	_____
EA-52 17 (County)	_____	Spec./Assit.	_____
EA-5217 (State)	_____	or	_____
R.P.T.S.A. <u>tl</u>	<u>5r</u>	Spec./Add.	_____
Comm. of Ed.	<u>5.00</u>	TOT. MTG. TAX	_____
Affidavit	_____	Dual Town _____ Dual County _____	
Certified Copy	<u>7.80</u>	Held for Appointment _____	
NYS Surcharge	<u>15.00</u>	Transfer Tax <u>0.00</u>	
Other	_____	Mansion Tax _____	
	Sub Total <u>85</u>	The property covered by this mortgage is or will be improved by a one or two family dwelling only.	
		YES _____ or NO _____	
	Sub Total <u>77.80</u>	If NO, see appropriate tax clause on page # _____ of this instrument.	
	Grand Total <u>162.80</u>		



4	Dist. 0100	0100 08200 0200 073001
	Real Property Tax Service Agency Verification	0100 08200 0200 037006



5	Community Preservation Fund
	Consideration Amount \$ <u>0.00</u>
	CPF Tax Due \$ _____
	Improved _____
	Vacant Land _____
	TD _____
	TD _____
	TD _____

6	Satisfactions/Discharges/Releases List Property Owners Mailing Address <b>RECORD &amp; RETURN TO:</b> Sahn Ward & Baker, PLLC 333 Earle Ovington Boulevard Suite 601 Uniondale, NY 11553 Att: Miriam E. Villani, Esq.
---	---

Mail to: Judith A. Pascale, Suffolk County Clerk 310 Center Drive, Riverhead, NY 11901 www.suffolkcountyny.gov/clerk
--

7	Title Company Information
	Co. Name Advantage Title
	Title # 09-CS-40153

### 8 Suffolk County Recording & Endorsement Page

This page forms part of the attached Environmental Easement made by: \_\_\_\_\_ (SPECIFY TYPE OF INSTRUMENT)

Linzer Products Corp. The premises herein is situated in \_\_\_\_\_ SUFFOLK COUNTY, NEW YORK.

TO \_\_\_\_\_ In the TOWN of Babylon

The People of the State of New York In the VILLAGE \_\_\_\_\_ or HAMLET of West Babylon

BOXES 6 THRU 8 MUST BE TYPED OR PRINTED IN BLACK INK ONLY PRIOR TO RECORDING OR FILING.

(over)

## IMPORTANT NOTICE

If the document you've just recorded is your SATISFACTION OF MORTGAGE, please be aware of the following:

If a portion of your monthly mortgage payment included your property taxes, \*you will now need to contact your local Town Tax Receiver so that you may be billed directly for all future property tax statements.

Local property taxes are payable twice a year: on or before January 10<sup>th</sup> and on or before May 31<sup>st</sup>. Failure to make payments in a timely fashion could result in a penalty.

Please contact your local Town Tax Receiver with any questions regarding property tax payment.

Babylon Town Receiver of Taxes  
200 East Sunrise Highway  
North Lindenhurst, N.Y. 11757  
(631) 957-3004

Brookhaven Town Receiver of Taxes  
One Independence Hill  
Farmingville, N.Y. 11738  
(631) 451-9009

East Hampton Town Receiver of Taxes  
300 Pantigo Place  
East Hampton, N.Y. 11937  
(631) 324-2770

Huntington Town Receiver of Taxes  
100 Main Street  
Huntington, N.Y. 11743  
(631) 351-3217

Islip Town Receiver of Taxes  
40 Nassau Avenue  
Islip, N.Y. 11751  
(631) 224-5580

Riverhead Town Receiver of Taxes  
200 Howell Avenue  
Riverhead, N.Y. 11901  
(631) 727-3200

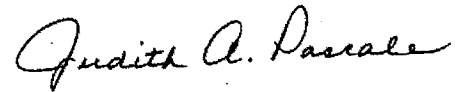
Shelter Island Town Receiver of Taxes  
Shelter Island Town Hall  
Shelter Island, N.Y. 11964  
(631) 749-3338

Smithtown Town Receiver of Taxes  
99 West Main Street  
Smithtown, N.Y. 11787  
(631) 360-7610

Southampton Town Receiver of Taxes  
116 Hampton Road  
Southampton, N.Y. 11968  
(631) 283-6514

Southold Town Receiver of Taxes  
53095 Main Street  
Southold, N.Y. 11971  
(631) 765-1803

Sincerely,



Judith A. Pascale  
Suffolk County Clerk



**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

THIS INDENTURE made this 2<sup>nd</sup> day of August, 2010, between

Owner(s) Linzer Products Corp., having an office at 248 Wyandanch Avenue, West Babylon, New York, 11704 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

**WHEREAS**, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and of ensuring the potential restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

**WHEREAS**, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

**WHEREAS**, Grantor, is the owner of real property located in the Town of Babylon, County of Suffolk, State of New York, known and designated on the tax map of the County Clerk of Suffolk as tax map parcel numbers: District: 0100 Section 82.00 Block 2.00 Lot 73.1 and Section 82.00 Block 2.00 Lot 37.6; being the same as that property conveyed to Grantor by bargain and sale deed on February 9, 1999, and recorded in the Suffolk County Clerk's Office in Liber 11947 at page 375 of deeds, comprising of approximately 9.35± acres (Parcel 1) and 596 S.F. (Parcel 3), and hereinafter more fully described in the ALTA/ACSM Land Title Survey dated December 3, 2008, (Revised August 19, 2009) of lands of "Parcels 1 and 3 ( 248 Wyandanch Avenue) " prepared by Nelson & Pope, Engineers, Designers, Surveyors and corresponding Schedule "A" property description, both documents are attached hereto and made a part hereof (the "Controlled Property"); and

**WHEREAS**, the Commissioner does hereby acknowledge that the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established at this Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

**NOW THEREFORE**, in consideration of the covenants and mutual promises contained herein and the terms and conditions of Order on Consent Index Number W1-0956-03-05, Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. **Purposes.** Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in

perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. **Institutional and Engineering Controls.** The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property:

A. The Controlled Property may be used for Industrial use as described within 6 NYCRR Part 375- 1.8 (g) (2) (iv), as long as the following long-term engineering controls are employed and the land use restrictions specified below are adhered to:

Engineering Controls (ECs) include the following:

- (i) In-situ treatment of contaminated groundwater.
- (ii) Capping of contaminated soil.
- (iii) In-situ solidification/stabilization of contaminated soil.
- (iv) In the event that any subsurface activities are to be undertaken which may disturb a capped or covered area of concern, these activities are subject to the conditions specified in the soil management plan which is contained in the Department approved Site Management Plan.

Institutional Controls include the following:

- (i) use of groundwater as a source of potable or process water without necessary water quality treatment, as determined by the NYSDOH and prior notification and approval of the NYSDEC, shall not be permitted;
- (ii) Soil management in the event that subsurface activities are ever conducted in the areas of concern.
- (iii) Annual certification for the ECs as specified in the SMP.
- (iv) Sampling/monitoring of environmental media as determined or modified by the Department

B. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the Site Management Plan ("SMP") that the Department has approved for the Controlled Property and all Department-approved amendments to that SMP.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated July 27, 2009. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. The notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer  
NYSDEC - Region 1  
Division of Environmental Remediation  
50 Circle Road  
Stony Brook, NY 11790-3409  
Phone: (631) 444-0260 fax: (631) 444-0348

or  
Site Control Section  
Division of Environmental Remediation  
NYS DEC  
625 Broadway  
Albany, New York 12233

C. The Controlled Property may not be used for a higher level of use such as unrestricted residential, restricted residential or commercial use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

D. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

**This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant of Title 36 to Article 71 of the Environmental Conservation Law.**

E. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

F. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Controlled Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Controlled Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a

defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 13 with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach or noncompliance with any of the terms of this Environmental Easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information: County, NYSDEC Site Number, NYSDEC Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to: Site Number: 152006  
Department of Environmental Enforcement  
Office of General Counsel  
NYSDEC  
625 Broadway  
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. This Environmental Easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor's Name: Linzer Products Corp.,

By: Leonard Zichlin  
Leonard Zichlin

Title: EXEC. VICE PRESIDENT Date: 6/30/10

Grantor's Acknowledgment


STATE OF NEW YORK )  
COUNTY OF Suffolk ss:

On the 30 day of June, in the year 2010, before me, the undersigned, personally appeared Leonard Zichlin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

[Signature]  
Notary Public - State of New York

Renee Humphrey  
Renee Humphrey  
Notary Public, State of New York  
No. 01HU4935278  
Qualified in Suffolk County  
Commission Expires June 27, 2014

**THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,**

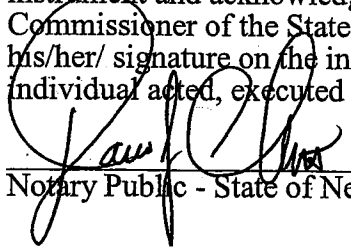
by:   
Dale A. Desnoyers, Director  
Division of Environmental Remediation

Date: 8-2-10

**Grantee's Acknowledgment**

STATE OF NEW YORK )  
COUNTY OF Albany ss:

On the 2nd day of August, in the year 2010, before me, the undersigned, personally appeared Dale A. Desnoyers, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public - State of New York

**David J. Chiusano**  
Notary Public, State of New York  
No. 01CH5032146  
Qualified in Schenectady County,  
Commission Expires August 22, 2011

SCHEDULE A

TAX LOT 073.001

ALL that certain plot, piece or parcel of land, situate, lying and being at Wyandanch, in the City of Babylon, County of Suffolk and State of New York, known and designated as Lots 2 through 21, and part of Lots 22 through 29, and part of Lots 30 through 32 in Block 42 and Lot 21 and Lots 30 through 32 in Block 44 on a certain the Map entitled "Map of North Babylon Park" filed in the Office of the Clerk of the County of Suffolk on September 22, 1908 as Map No. 368 and on a second Map entitled "Map of Belmont Heights" filed in the Office of the Clerk of the County of Suffolk on November 21, 1910 as Map No. 278 and Lot 1294 on a certain Map entitled "Map of Belmont Parkway Section 3" filed in the Office of the Clerk of the County of Suffolk on June 21, 1926 as Map No. 1005, which said lots and described parcels, when taken together are more particularly bounded and described as follows:

BEGINNING at a point on the Southerly side of Wyandanch Avenue a distance of 21 feet Easterly from the corner formed by the intersection of the Southerly side of Wyandanch Avenue and the Northeasterly side of Mount Avenue (Belmont Avenue);

RUNNING THENCE along the Southerly side of Wyandanch Avenue the following courses:

1. North 89 degrees 30 minutes 20 seconds East, 821.99 feet;
2. North 00 degrees 29 minutes 40 seconds West, 5.00 feet;
3. North 89 degrees 30 minutes 20 seconds East, 580.00 feet, to the Westerly side of Carroll Street;

THENCE along said Westerly side of Carroll Street, South 00 degrees 29 minutes 40 seconds West, 320.00 feet to Northerly boundary of land as shown on "Revised Map of Belmont Estate Section 3", filed June 21, 1926 File No. 1005;

SCHEDULE A (continued)

THENCE along said map line, South 89 degrees 30 minutes 20 seconds West, 200.00 feet;

THENCE the following four (4) courses and distances:

1. North 34 degrees 11 minutes 04 seconds West, 56.05 feet;
2. Northwesterly along the arc of a curve bearing to the left having a radius of 30.00 feet and length of 29.48 feet;
3. South 89 degrees 30 minutes 20 seconds West, 205.43 feet;
4. Southwesterly along arc of a curve bearing to the left having a radius of 60.00 feet and a length of 94.25 feet to Northerly boundary of "Revised Map of Belmont Estates Section 3", filed June 21, 1926;

THENCE along said map line, South 89 degrees 30 minutes 20 seconds West, 100.10 feet to Lot 1294 as shown on aforementioned map;

THENCE along said lot the following three (3) courses and distances:

1. South 02 degrees 02 minutes 51 seconds West, 115.79 feet;
2. North 87 degrees 57 minutes 09 seconds West, 100.00 feet to the Westerly side of Eyre Place;
3. Along the Westerly side of Eyre Place, North 02 degrees 02 minutes 51 seconds East 111.35 feet to the Northerly boundary of said map;

THENCE along said map line and land now or formerly of Torres, South 89 degrees 30 minutes 20 seconds West, 533.31 feet to land now or formerly of Tuppins;



**SCHEDULE A (continued)**

THENCE along said land the following two (2) courses and distances:

1. North 00 degrees 29 minutes 40 seconds West, 113.15 feet;
2. North 36 degrees 33 minutes 30 seconds West, 249.68 feet, to the point or place of BEGINNING.

**SCHEDULE A (continued)**

**TAX LOT 037.006**

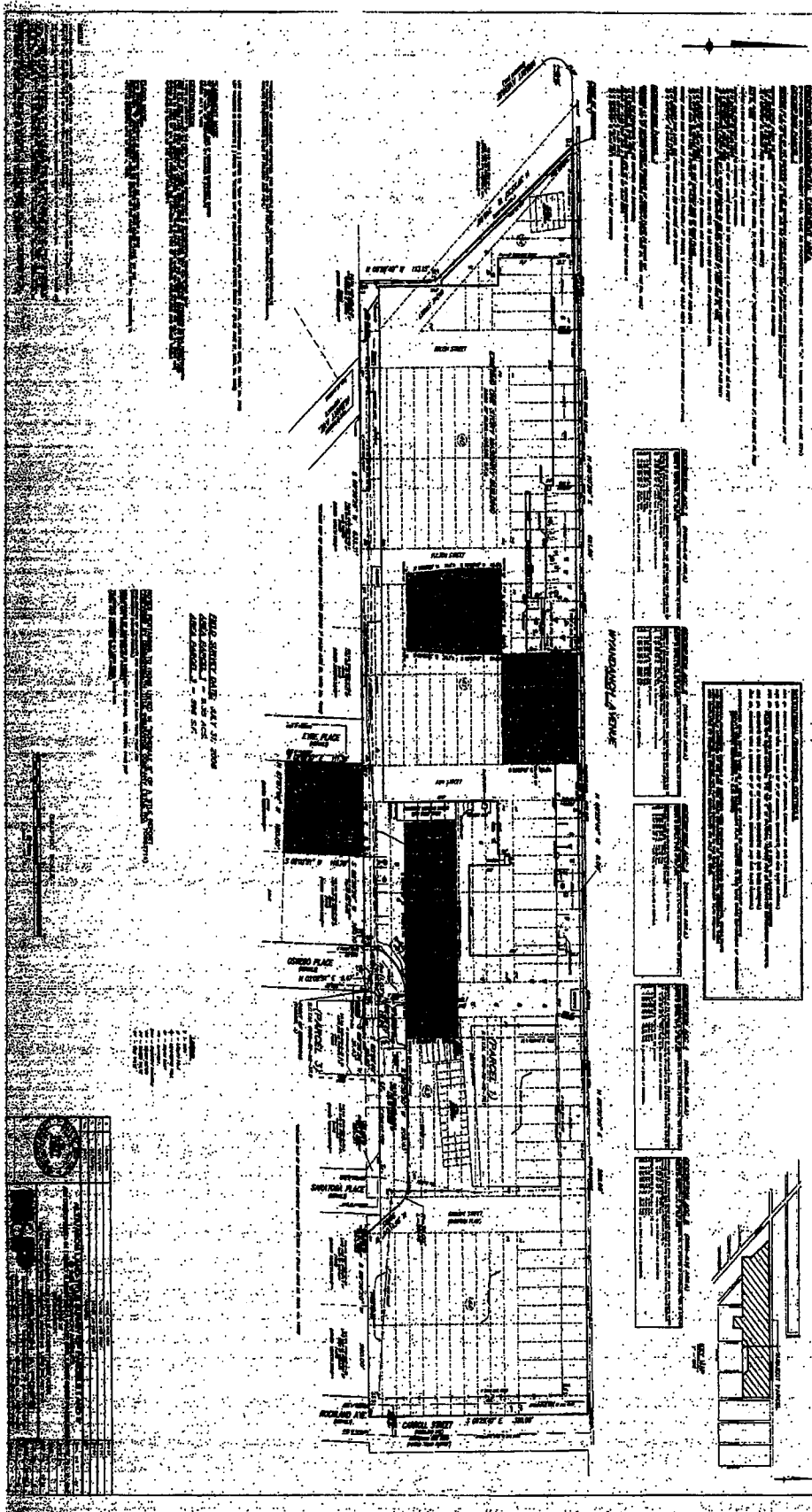
ALL that certain plot, piece or parcel of land, situate, lying and being at Wyandanch, in the Town of Babylon, County of Suffolk and State of New York, more particularly bounded and described as follows:

BEGINNING at the Northeasterly terminus of Oswego Place as shown on "Revised Map of Belmont Parkway Estates Section-3" (Filed June 21, 1926, File No. 1005);

RUNNING THENCE the following five (5) courses and distances:

1. North 02 degrees 02 minutes 51 seconds East, 9.47 feet;
2. Northeasterly along the arc of a curve bearing to the right having a radius of 11.03 feet and a distance of 16.84 feet;
3. North 89 degrees 30 minutes 20 seconds East, 19.99 feet;
4. South 00 degrees 29 minutes 40 seconds East, 20.00 feet;
5. South 89 degrees 30 minutes 20 seconds West, 31.43 feet, to the point or place of BEGINNING.

**SURVEY**



**ATTACHMENT 4**

## **Summary of Analytical Data for:**

**Goldman Environmental Consultants  
60 Brooks Avenue  
Braintree, MA 02184**

**Project: Wyandanch**

**EQS Custody Number: 1109409**

**Date Received: 09/22/2011**

### **Sample Results & QC Package**

**Prepared by:**



*Environmental Quality Services, Inc.  
208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631.249.1456 Fax - 631.249.8344*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

**Laboratory Identifier: 1109409**

Received: 9/22/2011 12:22

Sampled by: M Wilson M Bradley

**Client: Goldman Environmental Consultants**

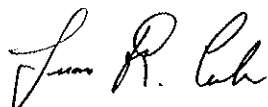
60 Brooks Avenue  
Braintree,  
MA 02184

**Project: Wyandanch**

248 Wyandanch Ave  
Wyandanch,  
NY

**Manager: Matt Wilson**

Respectfully submitted,



---

Juan R. Cuba - Technical Director

NYS Lab ID # 10969  
NJ Cert. # 73812  
CT Cert. # PH0645  
PA Cert. #002

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Quality Services, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.



Environmental Quality Services, Inc.  
208 Route 109 Suite 101,  
Farmingdale, NY 11735  
631-249-1456

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the following case narratives. Release of the data contained in this hard copy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

  
\_\_\_\_\_  
Signature

QC Manager  
\_\_\_\_\_  
Title

10/31/11  
\_\_\_\_\_  
Date

# TABLE OF CONTENTS

## I. General Information

- Chain of Custody Documents
- Sample Identification Cross Reference Table
- Data Package Summary Forms (ASP Forms)
- Case Narratives
- Methodology Summary
- Data Reporting Qualifiers
- Sample Calculation Examples

## II. *Sample Results*

## III. *QC Data*

### ***Semivolatile Data***

- Semivolatile QC Data
- Semivolatile Sample Data
- Semivolatile Standards Data
- Semivolatile Raw QC Data
- Semivolatile Extraction Logs / Analysis Logs

### ***Metals Data***

- Metals Sample Data
- Metals QC Data
- Metals Raw QC Data
- Metals Digestion Logs



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## General Information

*Environmental Quality Services, Inc.*



Environmental Quality Services, Inc.

# CHAIN OF CUSTODY

208 Route 109, Suite 101 Farmingdale, NY 11735  
(T) 631-249-1456 (F) 631-249-8344

www.eqservices.org

11-09409

1109409



Rec'vd Date: 09/22/11 12:22

11F2

Client Information			Project Information				
Company Name	EQS		Project Name	Wyanadanch (watts)			
Address	60 Brooks Dr.		Street	Wyanadanch Ave			
City	Braintree	State	City	Wyanadanch		State	Zip
Project Contact	Matt Wilson		Project #	444			
Phone #	781-356-9140		Sampler's Name	Matt Wilson & Mike Beady			
E-mail	MWilson@eqsenvironmental.com		Sampler's Signature	Matthew Wilson			
Fax #							

LAB SAMPLE # (LAB USE ONLY)	Sample Information			Sample Collection					Sample Containers					Matrix Codes		
	Sample ID	Sample Type	Matrix Code	WVVol (Air Volume in Liters)	Time	Date	Total # of bottles	NONE	HCl	NaOH	HNO3	H2SO4	H4SO4		MeOH	OTHER
1	MW-2	G	L	125ml	1626	9-2-11	1				X					NI
2	MW-3				1555		1									NI
3	MW-4				1520		1									NI
4	MW-5R				1575		1									NI
5	MW-5RMSAP						1									NI
6	MW-10				1853		1									Cu, Cr, Ni
7	MW-12				1815		1									Cu, Cr, Ni
	MW-20				1745		2	X								
	MW-20MS				1745		1	X								

Turnaround Time (Business Days)		Data Deliverable Information		Comments / Remarks	
<input checked="" type="checkbox"/> Standard 7-10 Business Days		<input type="checkbox"/> CLP Category A (Level-1)			
<input type="checkbox"/> 5 Day RUSH		<input checked="" type="checkbox"/> CLP Category B (Level-4)			
<input type="checkbox"/> 4 Day RUSH		<input type="checkbox"/> ASP QC Package (Level-4)			
<input type="checkbox"/> 3 Day RUSH		<input type="checkbox"/> Other			
<input type="checkbox"/> 2 Day RUSH		<input type="checkbox"/> EDD Format			
<input type="checkbox"/> 1 Day RUSH		<input type="checkbox"/> EDD Formats: Excel, pdf, EQUIS, GIS, GISKY, SPDES, ASCII, TAGM, OENJ			

LAB USE ONLY		EQS COC Review Check List (LAB USE ONLY)	
TAT Approved By / Date:		<input type="checkbox"/> Task Log in and Initial Review	Init: _____ Date/Time: _____
		<input type="checkbox"/> Final Review and Approval	Init: _____ Date/Time: _____
		<input type="checkbox"/> Complete and Invoiced	Init: _____ Date/Time: _____

Relinquished by Sampler:		Relinquished By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide

Relinquished by:		Received By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide

Relinquished by:		Received By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide

Relinquished by:		Received By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide

Relinquished by:		Received By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide

Relinquished by:		Received By:	
1	Matthew Wilson	1	Len E. Zide
3	0000	3	2 Len E. Zide
5		5	2 Len E. Zide



Environmental Quality Services, Inc.

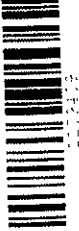
CHAIN OF CUSTODY

208 Route 109, Suite 101 Farmingdale, NY 11735  
(T) 631-249-1456 (F) 631-249-8344

www.egservices.org

11-09409

1109409



Rec'd Date: 09/22/11 12:22

202

Client Information

Project Information

Company Name GEC Project Name \_\_\_\_\_  
 Address \_\_\_\_\_ Street \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Project Contact \_\_\_\_\_ Project # \_\_\_\_\_  
 Phone # \_\_\_\_\_ Sampler's Name \_\_\_\_\_  
 E-mail \_\_\_\_\_ Fax # \_\_\_\_\_ Sampler's Signature \_\_\_\_\_

Matrix Codes  
 L - Liquid  
 S - Soil  
 A - Air  
 OL - Oil  
 W - Wipe  
 PC - Paint Chips  
 SL - Sludge  
 SD - Solid  
 DW - Drinking Water  
 DISS - Dissolved  
 Sample Type  
 G=Grab  
 C=Composite  
 B=Blank  
 (LAB USE ONLY)

Sample Information

Sample Collection

Sample Containers

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	WVVol (Air Volume in liters)	Total # of bottles	Number of Each Preserved Bottle												
								NONE	H <sub>2</sub> O	NaOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaHSO <sub>4</sub>	MeOH	OTHER					
8	MW-20MSDP	G	L	9-2-11	1745	1L	1	X												
9	MW-23	L	L	1700	1700	1L	2	L												
10	MW-26R	L	L	1601	1601	125ml	1	X												
11	FIELD-DUP	G	L	9-21	1601	125ml	1	X												
12	FIELD-DUP	G	L	9-21	1745	1L	2	X												

Turnaround Time (Business Days) \_\_\_\_\_

LAB USE ONLY  
 TAT Approved By / Date: \_\_\_\_\_

Standard 7-10 Business Days  
 5 Day RUSH  
 4 Day RUSH  
 3 Day RUSH  
 2 Day RUSH  
 1 Day RUSH

Results Only (Level-1)  CLP Category A (Level-1)  
 Results plus Misc. QC (Level-2)  CLP Category B (Level-4)  
 Results plus ALL QC (Level-3)  ASP QC Package (Level-4)  
 MA QC Package (Level/MA)  Other \_\_\_\_\_  
 NJ QC Package (Level/3NJ)  EDD Format \_\_\_\_\_  
 (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, ASCII, TAGM, OENU)

EQS COC Review Check List (LAB USE ONLY)  
 Task Log In and Initial Review Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Final Review and Approval Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Complete and Invoiced Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Requisitioned by:	Date / Time:	Received By:	Date / Time:
1 <u>Matthew Neil</u>	17/01/11 12:25	2 <u>Lea Z. J. Oe</u>	2 9/2/11
3 <u>0000</u>	3	4	4
5	5	5	5

Requisitioned by: \_\_\_\_\_ Date / Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_  
 Requisitioned by: \_\_\_\_\_ Date / Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date / Time: \_\_\_\_\_

COOLER INFORMATION  
 On Ice  Sample Receipt Discrepancy (attach information)  Preserved where applicable  
 Cooler Temp: \_\_\_\_\_

**ENVIRONMENTAL QUALITY SERVICES, INC.**  
**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED	Analytical Requirements							
					V	SV	GC	GCV	MET	WC	OFF	
1109409-01	MW-2	L	9/21/2011	9/22/2011						X		
1109409-02	MW-3	L	9/21/2011	9/22/2011						X		
1109409-03	MW-4	L	9/21/2011	9/22/2011						X		
1109409-04	MW-5R	L	9/21/2011	9/22/2011						X		
1109409-04MS	MW-5R	L	9/21/2011	9/22/2011						X		
1109409-04MS	MW-5R	L	9/21/2011	9/22/2011						X		
1109409-05	MW-10	L	9/21/2011	9/22/2011						X		
1109409-06	MW-12	L	9/21/2011	9/22/2011						X		
1109409-07	MW-20	L	9/21/2011	9/22/2011		X						
1109409-07MS	MW-20	L	9/21/2011	9/22/2011		X						
1109409-07MS	MW-20	L	9/21/2011	9/22/2011		X						
1109409-08	MW-21	L	9/21/2011	9/22/2011		X						
1109409-09	MW-23	L	9/21/2011	9/22/2011		X						
1109409-10	MW-26R	L	9/21/2011	9/22/2011						X		
1109409-11	FIELD DUP (MET)	L	9/21/2011	9/22/2011						X		
1109409-12	FIELD DUP (SVOC)	L	9/21/2011	9/22/2011		X						

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA) - 8270  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1109409-07	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4906
1109409-07MS	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4910
1109409-07MSD	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4911
1109409-08	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4907
1109409-09	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4908
1109409-12	L	9/21/2011	9/22/2011	09/28/11	09/28/2011	1.11	C2743-4909

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
METALS - NI+CR+CU  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1109409-05	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-22
1109409-06	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-29
1109409-10	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-30

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
METALS - NICKEL  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1109409-01	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-15
1109409-02	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-16
1109409-03	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-17
1109409-04	L	9/21/2011	9/22/2011	09/26/11	09/27/11	1	C4200-20
1109409-04MS	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-19
1109409-04MSD	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-20
1109409-11	L	9/21/2011	9/22/2011	09/26/11	09/29/11	1	C4202-31

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/19/2011

## Case Narrative

SEMIVOLATILES ANALYSIS  
GCMS-SV  
CUSTODY NUMBER: 1109409

### INTRODUCTION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures.

All required QA/QC parameters met acceptable limits unless otherwise noted.

### HOLDING TIME INFORMATION

All analyses were performed within required holding times.

### SAMPLE INFORMATION

Samples were analyzed as per the required protocols. No analytical problems were encountered.

### SURROGATE RECOVERY INFORMATION

All surrogate recoveries met QC criteria.

### MATRIX SPIKE BLANK

The spike recoveries for the matrix spike blank (MSB06) met QC limits.

### MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample 1109409-07 was utilized for the MS/MSD analyses. All spike recoveries were within QC limits.)

### METHOD BLANK

The method blank associated with these samples did not contain target compounds at or above the QC limits.

### TUNE PERFORMANCE

All Tune (DFTPP) specifications met QC criteria.

### CALIBRATION INFORMATION

Initial Calibration: All required minimum RRFs and maximum % RSD requirements have been met in accordance with the Method.

Results were quantitated using initial calibration average of response factors for all analytes with the exception of 2,4-Dinitrophenol. Linear regression was used to report this target analyte.

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the Method.





# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/19/2011

## Case Narrative

### INTERNAL STANDARDS

All area responses and retention times fell within acceptable ranges.



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/19/2011

## Case Narrative

METALS ANALYSIS - ICP  
Analytical Batch: C4202

### SAMPLE INFORMATION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures. All required QA/QC parameters met acceptable limits unless otherwise noted below.

### HOLDING TIME INFORMATION

All analyses were performed within required holding times.

### INITIAL & CONTINUING CALIBRATION VERIFICATION INFORMATION

#### Initial Calibration Verification (ICV):

All recoveries for the ICV associated with the samples were within QC limits.  
(The recoveries of (elements) in the ICV associated with the samples did not meet QC criteria.)

#### Continuing Calibration Verification (CCV):

All recoveries for the CCV associated with the samples were within QC limits.  
(The recoveries of (elements) in the CCV associated with the samples did not meet QC criteria.)

### LOQ STANDARD INFORMATION

#### ICP:

##### Level of Quantitation Standard (CRI):

An initial and final CRI sample was analyzed at the required levels.

### BLANK INFORMATION

#### Initial Calibration Blank (ICB):

All concentrations for the ICB associated with the samples met QC criteria.

#### Continuing Calibration Blank (CCB):

All concentrations for the CCB associated with the samples met QC criteria.

#### Preparation Blank (PB):

The Preparation Blank associated with the samples did not contain any target elements at or above the QC limits.

### INTERFERENCE CHECK SAMPLE INFORMATION

#### Initial Interference Check Sample (ICSA):

All recoveries for the Initial and Final ICSA associated with the samples were within QC limits.

#### Initial Interference Check Sample (ICSAB):

All recoveries for the Initial and Final ICSAB associated with the samples were within QC limits.

### MATRIX SPIKE & POST DIGESTION SPIKE INFORMATION



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/19/2011

## Case Narrative

### ICP:

Sample 1109409-4 was utilized for the matrix spike analysis. All spike recoveries with the exception of Nickel met QC criteria.

Based on the spike recoveries of the matrix spike sample, a Post Digestion spike was performed. The Nickel spike recovery met QC limits. No further laboratory action was required.

### DUPLICATE SAMPLE INFORMATION

### ICP:

QC Sample 1109409-5 was utilized for the Duplicate (DUP) analysis. All %RPD with the exception of Nickel met QC criteria.

### LABORATORY CONTROL SAMPLE INFORMATION

All recoveries for the LCSW associated with the samples fell within QC limits.

### SERIAL DILUTION SAMPLE INFORMATION

### ICP ONLY:

Sample 1109409-5 was utilized for the Serial Dilution (DIL) analysis. All %Differences met QC criteria.



# Environmental Quality Services, Inc.

208 Route 109, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## METHODOLOGY SUMMARY ORGANICS

<b>AQUEOUS METHODOLOGIES:</b>	<b><u>REFERENCE 2</u></b>	<b><u>REFERENCE 3</u></b>	<b><u>REFERENCE 5</u></b>
Base Neutral, Acids Extraction	3510B		
Pesticides/PCBs Extraction	3510B		
Purgeable Organics by GC/MS		624	
Base/Neutral, Acids by GC/MS		625	
BTEX - Benzene, Toluene, Ethylbenzene, Xylenes		624	
Organochlorine Pesticide and PCB's by GC		608	
<b>NON-AQUEOUS METHODOLOGIES:</b>	<b><u>REFERENCE 2</u></b>		
Base Neutral, Acids Extraction	3550A		
Pesticides/PCBs Extraction	3550A		
Purgeable Organics by GC/MS	8260B		
Base/Neutral, Acids Extr. by GC/MS	8270C		
BTEX-Benzene, Toluene, Ethylbenzene, Xylenes	8021B		
Organochlorine Pesticide and PCB's by GC	8081A		
<b>MISCELLANEOUS:</b>	<b><u>REFERENCE 2</u></b>		
Chlorinated Herbicides by GC	8151A		
Purgeable Organics by GC	8021B		
Gas Chromatography Analysis	8000A		
Diesel Range Organics, Aqueous Extraction	3510B (Modified)		
Diesel Range Organics, Non-aqueous Extraction	3550A (Modified)		
Diesel Range Organics, Analysis	8015A (Modified)		
Florisil Column Clean-up	3620A		
Gel-Permeation Clean-up	3640A		
Sulfur Clean-up	3660A		

# Environmental Quality Services, Inc.

208 Route 109, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## METHODOLOGY SUMMARY INORGANICS - METALS

<b>INDUCTIVELY COUPLED PLASMA (ICP):</b>	<b><u>REFERENCE 1</u></b>	<b><u>REFERENCE 2</u></b>
Aluminum	200.7	6010B
Antimony	200.7	6010B
Barium	200.7	6010B
Beryllium	200.7	6010B
Cadmium	200.7	6010B
Calcium	200.7	6010B
Chromium	200.7	6010B
Cobalt	200.7	6010B
Copper	200.7	6010B
Iron	200.7	6010B
Lead	200.7	6010B
Magnesium	200.7	6010B
Manganese	200.7	6010B
Molybdenum	200.7	6010B
Nickel	200.7	6010B
Potassium	200.7	6010B
Silver	200.7	6010B
Sodium	200.7	6010B
Tin	200.7	6010B
Titanium	200.7	6010B
Vanadium	200.7	6010B
Zinc	200.7	6010B
Mercury	245.1	7470A/7471A

<b>ANALYTICAL LISTS:</b>	<b><u>REFERENCE 1</u></b>	<b><u>REFERENCE 2</u></b>
Priority Pollutant Metals (13)	200.7	6010/7060A/7470A/7740
TCL Metals (23)	200.7	6010/7060A/7470A/7740
RCRA Metals (8)	200.7	6010/7060A/7470A/7740

<b>SAMPLE PREPARATION:</b>	<b><u>REFERENCE 2</u></b>
ICP Sample Preparation (Aqueous)	3005A, 3010A, 3015
ICP Sample Preparation (Non-Aqueous)	3031, 3040A, 3050A, 3051, 3052
Furnace (GFAA) Sample Preparation (Aqueous)	3015, 3020A, 7060, 7740, 7761
Furnace (GFAA) Sample Prep. (Non-Aqueous)	3050A, 3051, 3052
Mercury Sample Preparation	7470A (Aqueous), 7471A (Non-Aqueous)

## METHODOLOGY SUMMARY INORGANICS - GENERAL CHEMISTRY

<b>ANALYSES</b>	<b><u>REFERENCE 1</u></b>	<b><u>REFERENCE 2</u></b>	<b><u>REFERENCE 6</u></b>
Biochemical Oxygen Demand	SM 5210 B		
Color	SM 2120 B		
pH	SM 4500 H+B		
Total Dissolved Solids	Sm 2540C		

# Environmental Quality Services, Inc.

208 Route 109, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

Total Suspended Solids	SM 2540 D	
Total Solids	SM 2540 B	
Hardness	6010 B	
Temperature	Sm 2550 B	
Acidity	SM 2310 B	
Alkalinity	SM 2320 B 19th E	
Ammonia	SM 4500 NH3E, B	
Chloride	SM 4500-CI B	
Chlorine Demand	SM 2350	4500-CI
Residual Chlorine	SM 4500-CI B	
Chemical Oxygen Demand	HACH 8000	
Cyanide (Total & Amenable)	SM 4500-CN C,E	9010A/9012
Oil & Grease	EPA 1664 A	9070/9071A
Fluoride	SM 4500-F C,B	
Total Kjeldahl Nitrogen	SM 4500-NORG;B	
Nitrate/Nitrite (NO2/NO3)	Sm 4500	9210
Phenolics	SM 5530 D	
Phosphorus	SM 4500 P E	
Settleable Solids	EPA 160.5, SM 2540 F	
Sulfate	SM 15 426 C	9038
Sulfide	SM 4500 S2 E	9030
Surfactants	SM 5540 C	

## MISCELLANEOUS ANALYSES

### REFERENCE 1

### REFERENCE 2

Ignitability	SW 846 1010	
Toxicity Characteristic Leaching Procedure (TCLP)		1311
Hexavalent Chromium	SM 3500-Cr D	

## METHODOLOGY SUMMARY REFERENCES

1. USEPA020, Methods for Chemical Analysis of Water and Waste.
2. USEPA SW 846, Test Methods for Evaluating Solid Waste, Third Edition.
3. Federal Register 40 CFR Part 136, Vol.49, No.209 Test Parameters for the Analysis of Pollutants.
4. Federal Register Vol. 51, No. 216 Friday, 11/07/86, pp. 40643, 40652
5. Method for the Determination If Organic Compounds in Drinking Water, EPA 500/488/039, Dec. 1988.
6. Standard Method for Examination of Water and Wastewater, 15 Edition 1980.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL).  
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

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

M - (Method) qualifiers are as follows:

- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- \* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)
- x - Outside Expected Range



**CALCULATIONS:**

**Volatile Organics:**

$$\text{Water Concentration (ppb)} = \text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor}}{\text{Total Solids (\%) / 100}}$$

**Semivolatile Organics:**

$$\text{Water Concentration (ppb)} = \text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (mL)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (1mL)}}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (g)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (1mL)}}}{\text{Total Solids (\%) / 100}}$$

where:

M.I.E.V = Method Initial Extraction Volume (1000mL)

A.I.E.V = Actual Initial Extraction Volume (mL or g)

M.F.E.V = Method Final Extraction Volume (1mL)

A.F.E.V = Actual Final Extraction Volume (mL)

NOTE: GPC was not performed on the Semivolatile soil samples

**GC Organics:**

$$\text{Water Concentration (ppb)} = \frac{\text{Raw Concentration (ug/L solvent)}}{100 \text{ mL}} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (mL)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (10mL)}}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ug/L solvent)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (g)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (10mL)}}}{100 \text{ mL}}$$

where:

M.I.E.V = Method Initial Extraction Volume (1000mL)

A.I.E.V = Actual Initial Extraction Volume (mL or g)

M.F.E.V = Method Final Extraction Volume (10mL)

A.F.E.V = Actual Final Extraction Volume (mL)

NOTE: GPC was not performed on the GC soil samples

**Inorganic Metals:**

$$\text{Water Concentration (ppm)} = \text{Raw Concentration (mg/L)} \times \text{Final Digestion Volume (mL)} \times \text{Analytical Dilution Factor} \times \frac{\text{Initial Digestion Volume (mL)}}{100}$$

$$\text{Soil Concentration (ppm)} = \frac{\text{Raw Concentration (mg/L)} \times \text{Final Digestion Volume (mL)} \times \text{Analytical Dilution Factor} \times \frac{\text{Initial Digestion Volume (mL)}}{100}}{\text{Total Solids (\%)}}$$

$$\text{Wipe Concentration (ug/wipe)} = \text{Raw Concentration (mg/L)} \times \text{Final Digestion Volume (mL)} \times \text{Analytical Dilution Factor}$$

**General Chemistry:**

$$\text{Cyanide Water Concentration (ppm)} = \frac{\text{Cyanide (ppm)} \times \text{Manual Dilution Factor}}{\text{Weight}}$$

$$\text{Cyanide Soil Concentration (ppm)} = \frac{\text{Cyanide (ppm)} \times \text{Manual Dilution Factor}}{\text{Total Solids (\%) / 100} \times \text{Weight}}$$



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## Sample Results

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7**

Client Sample ID: MW-20

Matrix: Liquid

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

Type: Grab

Collected: 9/21/2011 17:45

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4906	1.02	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2743-4906	0.79	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2743-4906	0.97	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2743-4906	0.91	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2743-4906	0.82	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4906	1.19	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2743-4906	0.66	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2743-4906	0.83	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2743-4906	1.09	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2743-4906	1.14	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2743-4906	5.01	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2743-4906	0.69	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2743-4906	1.09	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2743-4906	1.02	ND	ug/L	U
95-57-8	2-Chlorophenol	C2743-4906	0.70	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2743-4906	0.91	ND	ug/L	U
95-48-7	2-Methylphenol	C2743-4906	0.56	ND	ug/L	U
88-74-4	2-Nitroaniline	C2743-4906	0.86	ND	ug/L	U
88-75-5	2-Nitrophenol	C2743-4906	1.14	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2743-4906	0.19	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2743-4906	0.76	ND	ug/L	U
99-09-2	3-Nitroaniline	C2743-4906	0.67	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4906	0.91	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2743-4906	0.94	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2743-4906	0.59	ND	ug/L	U
106-47-8	4-Chloroaniline	C2743-4906	0.52	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4906	1.02	ND	ug/L	U
100-01-6	4-Nitroaniline	C2743-4906	1.19	ND	ug/L	U
100-02-7	4-Nitrophenol	C2743-4906	2.27	ND	ug/L	U
83-32-9	Acenaphthene	C2743-4906	1.13	ND	ug/L	U
208-96-8	Acenaphthylene	C2743-4906	1.03	ND	ug/L	U
62-53-3	Aniline	C2743-4906	0.26	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7**

Client Sample ID: MW-20

Collected: 9/21/2011 17:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4906	0.93	ND	ug/L	U
92-87-5	Benzidine	C2743-4906	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4906	1.14	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2743-4906	1.01	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2743-4906	1.02	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2743-4906	1.17	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2743-4906	1.16	ND	ug/L	U
65-85-0	Benzoic acid	C2743-4906	11.4	ND	ug/L	U
100-51-6	Benzyl alcohol	C2743-4906	0.53	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2743-4906	1.48	ND	ug/L	U
86-74-8	Carbazole	C2743-4906	1.20	ND	ug/L	U
218-01-9	Chrysene	C2743-4906	1.06	ND	ug/L	U
	Cresols	C2743-4906	0.75	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2743-4906	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2743-4906	1.23	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2743-4906	0.97	ND	ug/L	U
132-64-9	Dibenzofuran	C2743-4906	0.89	ND	ug/L	U
84-66-2	Diethyl phthalate	C2743-4906	1.19	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2743-4906	1.13	ND	ug/L	U
206-44-0	Fluoranthene	C2743-4906	0.96	ND	ug/L	U
86-73-7	Fluorene	C2743-4906	1.01	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2743-4906	0.81	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2743-4906	1.17	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2743-4906	0.42	ND	ug/L	U
67-72-1	Hexachloroethane	C2743-4906	1.10	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4906	1.06	ND	ug/L	U
78-59-1	Isophorone	C2743-4906	0.78	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2743-4906	0.82	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2743-4906	0.81	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2743-4906	1.22	ND	ug/L	U
91-20-3	Naphthalene	C2743-4906	0.97	ND	ug/L	U
98-95-3	Nitrobenzene	C2743-4906	1.01	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-7

Client Sample ID: MW-20

Collected: 9/21/2011 17:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4906	0.90	ND	ug/L	U
85-01-8	Phenanthrene	C2743-4906	1.00	ND	ug/L	U
108-95-2	Phenol	C2743-4906	0.28	ND	ug/L	U
129-00-0	Pyrene	C2743-4906	1.12	ND	ug/L	U
110-86-1	Pyridine	C2743-4906	0.41	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2743-4906	1.06	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2743-4906	0.63	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4906	0.86	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4906	1.60	ND	ug/L	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4906	83.5 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4906	54.0 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4906	27.3 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4906	48.4 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4906	17.3 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4906	87.0 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MS**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4910	1.02	26.9	ug/L	
95-50-1	1,2-Dichlorobenzene	C2743-4910	0.79	22.2	ug/L	
122-66-7	1,2-Diphenylhydrazine	C2743-4910	0.97	23.6	ug/L	
541-73-1	1,3-Dichlorobenzene	C2743-4910	0.91	21.7	ug/L	
106-46-7	1,4-Dichlorobenzene	C2743-4910	0.82	22.1	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4910	1.19	38.8	ug/L	
95-95-4	2,4,5-Trichlorophenol	C2743-4910	0.66	31.6	ug/L	
88-06-2	2,4,6-Trichlorophenol	C2743-4910	0.83	30.5	ug/L	
120-83-2	2,4-Dichlorophenol	C2743-4910	1.09	26.2	ug/L	
105-67-9	2,4-Dimethylphenol	C2743-4910	1.14	23.7	ug/L	
51-28-5	2,4-Dinitrophenol	C2743-4910	5.01	20.5	ug/L	J
121-14-2	2,4-Dinitrotoluene	C2743-4910	0.69	33.2	ug/L	
606-20-2	2,6-Dinitrotoluene	C2743-4910	1.09	29.9	ug/L	
91-58-7	2-Chloronaphthalene	C2743-4910	1.02	25.6	ug/L	
95-57-8	2-Chlorophenol	C2743-4910	0.70	21.3	ug/L	
91-57-6	2-Methylnaphthalene	C2743-4910	0.91	25.1	ug/L	
95-48-7	2-Methylphenol	C2743-4910	0.56	18.6	ug/L	
88-74-4	2-Nitroaniline	C2743-4910	0.86	24.7	ug/L	
88-75-5	2-Nitrophenol	C2743-4910	1.14	23.3	ug/L	
106-44-5	3+4-Methylphenol	C2743-4910	0.19	17.1	ug/L	
91-94-1	3,3'-Dichlorobenzidine	C2743-4910	0.76	79.8	ug/L	
99-09-2	3-Nitroaniline	C2743-4910	0.67	24.3	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4910	0.91	25.4	ug/L	
101-55-3	4-Bromophenyl phenyl ether	C2743-4910	0.94	32.2	ug/L	
59-50-7	4-Chloro-3-methylphenol	C2743-4910	0.59	27.1	ug/L	
106-47-8	4-Chloroaniline	C2743-4910	0.52	22.3	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4910	1.02	31.8	ug/L	
100-01-6	4-Nitroaniline	C2743-4910	1.19	27.0	ug/L	
100-02-7	4-Nitrophenol	C2743-4910	2.27	13.8	ug/L	J
83-32-9	Acenaphthene	C2743-4910	1.13	24.9	ug/L	
208-96-8	Acenaphthylene	C2743-4910	1.03	26.6	ug/L	
62-53-3	Aniline	C2743-4910	0.26	14.5	ug/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MS**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4910	0.93	30.4	ug/L	
92-87-5	Benzidine	C2743-4910	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4910	1.14	32.7	ug/L	
50-32-8	Benzo(a)pyrene	C2743-4910	1.01	32.5	ug/L	
205-99-2	Benzo(b)fluoranthene	C2743-4910	1.02	32.4	ug/L	
191-24-2	Benzo(g,h,i)perylene	C2743-4910	1.17	35.9	ug/L	
207-08-9	Benzo(k)fluoranthene	C2743-4910	1.16	34.3	ug/L	
65-85-0	Benzoic acid	C2743-4910	11.4	20.1	ug/L	J
100-51-6	Benzyl alcohol	C2743-4910	0.53	17.6	ug/L	
85-68-7	Butyl benzyl phthalate	C2743-4910	1.48	28.9	ug/L	
86-74-8	Carbazole	C2743-4910	1.20	35.8	ug/L	
218-01-9	Chrysene	C2743-4910	1.06	32.6	ug/L	
	Cresols	C2743-4910	0.75	35.7	ug/L	
84-74-2	Di-n-butyl phthalate	C2743-4910	1.08	30.4	ug/L	
117-84-0	Di-n-octyl phthalate	C2743-4910	1.23	29.0	ug/L	
53-70-3	Dibenz(a,h)anthracene	C2743-4910	0.97	36.2	ug/L	
132-64-9	Dibenzofuran	C2743-4910	0.89	29.2	ug/L	
84-66-2	Diethyl phthalate	C2743-4910	1.19	32.2	ug/L	
131-11-3	Dimethyl phthalate	C2743-4910	1.13	30.9	ug/L	
206-44-0	Fluoranthene	C2743-4910	0.96	34.8	ug/L	
86-73-7	Fluorene	C2743-4910	1.01	31.2	ug/L	
118-74-1	Hexachlorobenzene	C2743-4910	0.81	32.2	ug/L	
87-68-3	Hexachlorobutadiene	C2743-4910	1.17	27.0	ug/L	
77-47-4	Hexachlorocyclopentadiene	C2743-4910	0.42	19.0	ug/L	J
67-72-1	Hexachloroethane	C2743-4910	1.10	21.1	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4910	1.06	35.7	ug/L	
78-59-1	Isophorone	C2743-4910	0.78	25.5	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	C2743-4910	0.82	20.9	ug/L	
62-75-9	N-Nitrosodimethylamine	C2743-4910	0.81	13.8	ug/L	
86-30-6	N-Nitrosodiphenylamine	C2743-4910	1.22	35.0	ug/L	
91-20-3	Naphthalene	C2743-4910	0.97	24.2	ug/L	B
98-95-3	Nitrobenzene	C2743-4910	1.01	23.4	ug/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MS**

Client Sample ID: MW-20

Matrix: Liquid

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

Type: Grab

Collected: 9/21/2011 17:45

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4910	0.90	33.5	ug/L	
85-01-8	Phenanthrene	C2743-4910	1.00	31.4	ug/L	
108-95-2	Phenol	C2743-4910	0.28	8.98	ug/L	
129-00-0	Pyrene	C2743-4910	1.12	31.8	ug/L	
110-86-1	Pyridine	C2743-4910	0.41	9.54	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	C2743-4910	1.06	21.4	ug/L	
111-44-4	bis(2-Chloroethyl)ether	C2743-4910	0.63	20.1	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4910	0.86	19.0	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4910	1.60	32.2	ug/L	

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4910	89.5 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4910	69.9 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4910	31.7 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4910	55.7 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4910	21.6 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4910	85.2 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-7MS

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	C2743-4910	60.6 %	( 39 - 98 )	
95-50-1	1,2-DICHLOROBENZENE	C2743-4910	50.0 %	( 32 - 129 )	
106-46-7	1,4-DICHLOROBENZENE	C2743-4910	49.8 %	( 36 - 97 )	
121-14-2	2,4-DINITROTOLUENE	C2743-4910	74.8 %	( 24 - 96 )	
95-57-8	2-CHLOROPHENOL	C2743-4910	48.0 %	( 27 - 123 )	
91-57-6	2-METHYLNAPHTHALENE	C2743-4910	56.5 %	( 28 - 104 )	
59-50-7	4-CHLORO-3-METHYLPHENOL	C2743-4910	61.0 %	( 23 - 97 )	
100-02-7	4-NITROPHENOL	C2743-4910	31.1 %	( 10 - 80 )	
83-32-9	ACENAPHTHENE	C2743-4910	56.1 %	( 46 - 118 )	
208-96-8	ACENAPHTHYLENE	C2743-4910	59.9 %	( 33 - 145 )	
50-32-8	BENZO(A)PYRENE	C2743-4910	73.2 %	( 17 - 163 )	
132-64-9	DIBENZOFURAN	C2743-4910	65.8 %	( 30 - 98 )	
78-59-1	ISOPHORONE	C2743-4910	57.4 %	( 21 - 196 )	
621-64-7	N-NITROSODI-N-PROPYLAMINE	C2743-4910	47.1 %	( 41 - 116 )	
91-20-3	NAPHTHALENE	C2743-4910	54.5 %	( 21 - 133 )	
87-86-5	PENTACHLOROPHENOL	C2743-4910	75.5 %	( 09 - 103 )	
108-95-2	PHENOL	C2743-4910	20.2 %	( 12 - 110 )	
129-00-0	PYRENE	C2743-4910	71.6 %	( 26 - 127 )	





# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MSD**

Client Sample ID: MW-20

Matrix: Liquid

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

Type: Grab

Collected: 9/21/2011 17:45

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4911	1.02	23.0	ug/L	
95-50-1	1,2-Dichlorobenzene	C2743-4911	0.79	18.4	ug/L	
122-66-7	1,2-Diphenylhydrazine	C2743-4911	0.97	24.5	ug/L	
541-73-1	1,3-Dichlorobenzene	C2743-4911	0.91	17.9	ug/L	
106-46-7	1,4-Dichlorobenzene	C2743-4911	0.82	17.8	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4911	1.19	40.7	ug/L	
95-95-4	2,4,5-Trichlorophenol	C2743-4911	0.66	32.4	ug/L	
88-06-2	2,4,6-Trichlorophenol	C2743-4911	0.83	31.3	ug/L	
120-83-2	2,4-Dichlorophenol	C2743-4911	1.09	25.0	ug/L	
105-67-9	2,4-Dimethylphenol	C2743-4911	1.14	23.0	ug/L	
51-28-5	2,4-Dinitrophenol	C2743-4911	5.01	18.9	ug/L	J
121-14-2	2,4-Dinitrotoluene	C2743-4911	0.69	35.6	ug/L	
606-20-2	2,6-Dinitrotoluene	C2743-4911	1.09	31.9	ug/L	
91-58-7	2-Chloronaphthalene	C2743-4911	1.02	25.1	ug/L	
95-57-8	2-Chlorophenol	C2743-4911	0.70	19.2	ug/L	
91-57-6	2-Methylnaphthalene	C2743-4911	0.91	23.3	ug/L	
95-48-7	2-Methylphenol	C2743-4911	0.56	17.2	ug/L	
88-74-4	2-Nitroaniline	C2743-4911	0.86	25.8	ug/L	
88-75-5	2-Nitrophenol	C2743-4911	1.14	21.8	ug/L	
106-44-5	3+4-Methylphenol	C2743-4911	0.19	16.2	ug/L	
91-94-1	3,3'-Dichlorobenzidine	C2743-4911	0.76	75.8	ug/L	
99-09-2	3-Nitroaniline	C2743-4911	0.67	7.57	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4911	0.91	24.8	ug/L	
101-55-3	4-Bromophenyl phenyl ether	C2743-4911	0.94	33.6	ug/L	
59-50-7	4-Chloro-3-methylphenol	C2743-4911	0.59	28.4	ug/L	
106-47-8	4-Chloroaniline	C2743-4911	0.52	0.82	ug/L	J
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4911	1.02	33.4	ug/L	
100-01-6	4-Nitroaniline	C2743-4911	1.19	25.1	ug/L	
100-02-7	4-Nitrophenol	C2743-4911	2.27	15.2	ug/L	J
83-32-9	Acenaphthene	C2743-4911	1.13	25.8	ug/L	
208-96-8	Acenaphthylene	C2743-4911	1.03	27.5	ug/L	
62-53-3	Aniline	C2743-4911	0.26	11.3	ug/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-7MSD

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4911	0.93	31.9	ug/L	
92-87-5	Benzidine	C2743-4911	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4911	1.14	34.3	ug/L	
50-32-8	Benzo(a)pyrene	C2743-4911	1.01	34.5	ug/L	
205-99-2	Benzo(b)fluoranthene	C2743-4911	1.02	35.2	ug/L	
191-24-2	Benzo(g,h,i)perylene	C2743-4911	1.17	37.8	ug/L	
207-08-9	Benzo(k)fluoranthene	C2743-4911	1.16	35.3	ug/L	
65-85-0	Benzoic acid	C2743-4911	11.4	22.1	ug/L	J
100-51-6	Benzyl alcohol	C2743-4911	0.53	12.7	ug/L	
85-68-7	Butyl benzyl phthalate	C2743-4911	1.48	30.4	ug/L	
86-74-8	Carbazole	C2743-4911	1.20	37.5	ug/L	
218-01-9	Chrysene	C2743-4911	1.06	34.3	ug/L	
	Cresols	C2743-4911	0.75	33.4	ug/L	
84-74-2	Di-n-butyl phthalate	C2743-4911	1.08	31.7	ug/L	
117-84-0	Di-n-octyl phthalate	C2743-4911	1.23	30.9	ug/L	
53-70-3	Dibenz(a,h)anthracene	C2743-4911	0.97	38.2	ug/L	
132-64-9	Dibenzofuran	C2743-4911	0.89	30.1	ug/L	
84-66-2	Diethyl phthalate	C2743-4911	1.19	34.1	ug/L	
131-11-3	Dimethyl phthalate	C2743-4911	1.13	32.4	ug/L	
206-44-0	Fluoranthene	C2743-4911	0.96	36.4	ug/L	
86-73-7	Fluorene	C2743-4911	1.01	33.1	ug/L	
118-74-1	Hexachlorobenzene	C2743-4911	0.81	34.0	ug/L	
87-68-3	Hexachlorobutadiene	C2743-4911	1.17	21.9	ug/L	
77-47-4	Hexachlorocyclopentadiene	C2743-4911	0.42	19.6	ug/L	J
67-72-1	Hexachloroethane	C2743-4911	1.10	16.6	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4911	1.06	37.5	ug/L	
78-59-1	Isophorone	C2743-4911	0.78	25.1	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	C2743-4911	0.82	20.1	ug/L	
62-75-9	N-Nitrosodimethylamine	C2743-4911	0.81	8.20	ug/L	
86-30-6	N-Nitrosodiphenylamine	C2743-4911	1.22	36.6	ug/L	
91-20-3	Naphthalene	C2743-4911	0.97	22.0	ug/L	B
98-95-3	Nitrobenzene	C2743-4911	1.01	21.9	ug/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MSD**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4911	0.90	34.2	ug/L	
85-01-8	Phenanthrene	C2743-4911	1.00	33.0	ug/L	
108-95-2	Phenol	C2743-4911	0.28	8.52	ug/L	
129-00-0	Pyrene	C2743-4911	1.12	33.6	ug/L	
110-86-1	Pyridine	C2743-4911	0.41	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2743-4911	1.06	20.2	ug/L	
111-44-4	bis(2-Chloroethyl)ether	C2743-4911	0.63	16.5	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4911	0.86	17.1	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4911	1.60	34.1	ug/L	

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4911	90.9 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4911	70.0 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4911	28.9 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4911	52.3 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4911	20.5 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4911	89.5 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-7MSD**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:45

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	C2743-4911	51.8 %	( 39 - 98 )	
95-50-1	1,2-DICHLOROBENZENE	C2743-4911	41.4 %	( 32 - 129 )	
106-46-7	1,4-DICHLOROBENZENE	C2743-4911	40.1 %	( 36 - 97 )	
121-14-2	2,4-DINITROTOLUENE	C2743-4911	80.2 %	( 24 - 96 )	
95-57-8	2-CHLOROPHENOL	C2743-4911	43.2 %	( 27 - 123 )	
91-57-6	2-METHYLNAPHTHALENE	C2743-4911	52.5 %	( 28 - 104 )	
59-50-7	4-CHLORO-3-METHYLPHENOL	C2743-4911	64.0 %	( 23 - 97 )	
100-02-7	4-NITROPHENOL	C2743-4911	34.2 %	( 10 - 80 )	
83-32-9	ACENAPHTHENE	C2743-4911	58.1 %	( 46 - 118 )	
208-96-8	ACENAPHTHYLENE	C2743-4911	61.9 %	( 33 - 145 )	
50-32-8	BENZO(A)PYRENE	C2743-4911	77.7 %	( 17 - 163 )	
132-64-9	DIBENZOFURAN	C2743-4911	67.8 %	( 30 - 98 )	
78-59-1	ISOPHORONE	C2743-4911	56.5 %	( 21 - 196 )	
621-64-7	N-NITROSODI-N-PROPYLAMINE	C2743-4911	45.3 %	( 41 - 116 )	
91-20-3	NAPHTHALENE	C2743-4911	49.5 %	( 21 - 133 )	
87-86-5	PENTACHLOROPHENOL	C2743-4911	77.0 %	( 09 - 103 )	
108-95-2	PHENOL	C2743-4911	19.2 %	( 12 - 110 )	
129-00-0	PYRENE	C2743-4911	75.7 %	( 26 - 127 )	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-8**

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 18:41

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4907	1.02	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2743-4907	0.79	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2743-4907	0.97	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2743-4907	0.91	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2743-4907	0.82	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4907	1.19	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2743-4907	0.66	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2743-4907	0.83	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2743-4907	1.09	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2743-4907	1.14	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2743-4907	5.01	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2743-4907	0.69	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2743-4907	1.09	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2743-4907	1.02	ND	ug/L	U
95-57-8	2-Chlorophenol	C2743-4907	0.70	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2743-4907	0.91	ND	ug/L	U
95-48-7	2-Methylphenol	C2743-4907	0.56	ND	ug/L	U
88-74-4	2-Nitroaniline	C2743-4907	0.86	ND	ug/L	U
88-75-5	2-Nitrophenol	C2743-4907	1.14	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2743-4907	0.19	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2743-4907	0.76	2.18	ug/L	J
99-09-2	3-Nitroaniline	C2743-4907	0.67	15.1	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4907	0.91	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2743-4907	0.94	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2743-4907	0.59	ND	ug/L	U
106-47-8	4-Chloroaniline	C2743-4907	0.52	21.8	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4907	1.02	ND	ug/L	U
100-01-6	4-Nitroaniline	C2743-4907	1.19	2.65	ug/L	J
100-02-7	4-Nitrophenol	C2743-4907	2.27	ND	ug/L	U
83-32-9	Acenaphthene	C2743-4907	1.13	ND	ug/L	U
208-96-8	Acenaphthylene	C2743-4907	1.03	ND	ug/L	U
62-53-3	Aniline	C2743-4907	0.26	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-8**

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 18:41

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4907	0.93	ND	ug/L	U
92-87-5	Benzidine	C2743-4907	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4907	1.14	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2743-4907	1.01	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2743-4907	1.02	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2743-4907	1.17	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2743-4907	1.16	ND	ug/L	U
65-85-0	Benzoic acid	C2743-4907	11.4	ND	ug/L	U
100-51-6	Benzyl alcohol	C2743-4907	0.53	5.31	ug/L	J
85-68-7	Butyl benzyl phthalate	C2743-4907	1.48	ND	ug/L	U
86-74-8	Carbazole	C2743-4907	1.20	ND	ug/L	U
218-01-9	Chrysene	C2743-4907	1.06	ND	ug/L	U
	Cresols	C2743-4907	0.75	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2743-4907	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2743-4907	1.23	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2743-4907	0.97	ND	ug/L	U
132-64-9	Dibenzofuran	C2743-4907	0.89	ND	ug/L	U
84-66-2	Diethyl phthalate	C2743-4907	1.19	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2743-4907	1.13	ND	ug/L	U
206-44-0	Fluoranthene	C2743-4907	0.96	ND	ug/L	U
86-73-7	Fluorene	C2743-4907	1.01	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2743-4907	0.81	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2743-4907	1.17	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2743-4907	0.42	ND	ug/L	U
67-72-1	Hexachloroethane	C2743-4907	1.10	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4907	1.06	ND	ug/L	U
78-59-1	Isophorone	C2743-4907	0.78	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2743-4907	0.82	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2743-4907	0.81	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2743-4907	1.22	ND	ug/L	U
91-20-3	Naphthalene	C2743-4907	0.97	ND	ug/L	U
98-95-3	Nitrobenzene	C2743-4907	1.01	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-8**

Client Sample ID: MW-21

Collected: 9/21/2011 18:41

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4907	0.90	ND	ug/L	U
85-01-8	Phenanthrene	C2743-4907	1.00	ND	ug/L	U
108-95-2	Phenol	C2743-4907	0.28	ND	ug/L	U
129-00-0	Pyrene	C2743-4907	1.12	ND	ug/L	U
110-86-1	Pyridine	C2743-4907	0.41	<b>8.47</b>	ug/L	
111-91-1	bis(2-Chloroethoxy)methane	C2743-4907	1.06	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2743-4907	0.63	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4907	0.86	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4907	1.60	<b>2.58</b>	ug/L	J

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4907	85.6 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4907	64.9 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4907	28.5 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4907	51.1 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4907	19.5 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4907	85.9 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-9

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:00

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4908	1.02	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2743-4908	0.79	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2743-4908	0.97	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2743-4908	0.91	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2743-4908	0.82	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4908	1.19	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2743-4908	0.66	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2743-4908	0.83	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2743-4908	1.09	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2743-4908	1.14	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2743-4908	5.01	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2743-4908	0.69	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2743-4908	1.09	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2743-4908	1.02	ND	ug/L	U
95-57-8	2-Chlorophenol	C2743-4908	0.70	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2743-4908	0.91	0.96	ug/L	J
95-48-7	2-Methylphenol	C2743-4908	0.56	ND	ug/L	U
88-74-4	2-Nitroaniline	C2743-4908	0.86	ND	ug/L	U
88-75-5	2-Nitrophenol	C2743-4908	1.14	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2743-4908	0.19	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2743-4908	0.76	ND	ug/L	U
99-09-2	3-Nitroaniline	C2743-4908	0.67	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4908	0.91	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2743-4908	0.94	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2743-4908	0.59	ND	ug/L	U
106-47-8	4-Chloroaniline	C2743-4908	0.52	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4908	1.02	ND	ug/L	U
100-01-6	4-Nitroaniline	C2743-4908	1.19	ND	ug/L	U
100-02-7	4-Nitrophenol	C2743-4908	2.27	ND	ug/L	U
83-32-9	Acenaphthene	C2743-4908	1.13	ND	ug/L	U
208-96-8	Acenaphthylene	C2743-4908	1.03	ND	ug/L	U
62-53-3	Aniline	C2743-4908	0.26	ND	ug/L	U





# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-9

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 9/21/2011 17:00

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4908	0.93	ND	ug/L	U
92-87-5	Benzidine	C2743-4908	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4908	1.14	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2743-4908	1.01	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2743-4908	1.02	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2743-4908	1.17	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2743-4908	1.16	ND	ug/L	U
65-85-0	Benzoic acid	C2743-4908	11.4	ND	ug/L	U
100-51-6	Benzyl alcohol	C2743-4908	0.53	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2743-4908	1.48	ND	ug/L	U
86-74-8	Carbazole	C2743-4908	1.20	ND	ug/L	U
218-01-9	Chrysene	C2743-4908	1.06	ND	ug/L	U
	Cresols	C2743-4908	0.75	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2743-4908	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2743-4908	1.23	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2743-4908	0.97	ND	ug/L	U
132-64-9	Dibenzofuran	C2743-4908	0.89	ND	ug/L	U
84-66-2	Diethyl phthalate	C2743-4908	1.19	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2743-4908	1.13	ND	ug/L	U
206-44-0	Fluoranthene	C2743-4908	0.96	ND	ug/L	U
86-73-7	Fluorene	C2743-4908	1.01	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2743-4908	0.81	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2743-4908	1.17	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2743-4908	0.42	ND	ug/L	U
67-72-1	Hexachloroethane	C2743-4908	1.10	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4908	1.06	ND	ug/L	U
78-59-1	Isophorone	C2743-4908	0.78	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2743-4908	0.82	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2743-4908	0.81	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2743-4908	1.22	ND	ug/L	U
91-20-3	Naphthalene	C2743-4908	0.97	1.37	ug/L	BJ
98-95-3	Nitrobenzene	C2743-4908	1.01	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

**Sample: 1109409-9**

Client Sample ID: MW-23

Collected: 9/21/2011 17:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4908	0.90	ND	ug/L	U
85-01-8	Phenanthrene	C2743-4908	1.00	ND	ug/L	U
108-95-2	Phenol	C2743-4908	0.28	ND	ug/L	U
129-00-0	Pyrene	C2743-4908	1.12	ND	ug/L	U
110-86-1	Pyridine	C2743-4908	0.41	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2743-4908	1.06	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2743-4908	0.63	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4908	0.86	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4908	1.60	2.19	ug/L	J

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4908	83.0 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4908	62.8 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4908	24.7 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4908	45.3 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4908	18.0 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4908	77.1 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Sulte 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-12

Client Sample ID: FIELD DUP (SVOC)

Collected: 9/21/2011 17:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2743-4909	1.02	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2743-4909	0.79	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2743-4909	0.97	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2743-4909	0.91	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2743-4909	0.82	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2743-4909	1.19	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2743-4909	0.66	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2743-4909	0.83	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2743-4909	1.09	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2743-4909	1.14	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2743-4909	5.01	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2743-4909	0.69	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2743-4909	1.09	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2743-4909	1.02	ND	ug/L	U
95-57-8	2-Chlorophenol	C2743-4909	0.70	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2743-4909	0.91	ND	ug/L	U
95-48-7	2-Methylphenol	C2743-4909	0.56	ND	ug/L	U
88-74-4	2-Nitroaniline	C2743-4909	0.86	ND	ug/L	U
88-75-5	2-Nitrophenol	C2743-4909	1.14	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2743-4909	0.19	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2743-4909	0.76	ND	ug/L	U
99-09-2	3-Nitroaniline	C2743-4909	0.67	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2743-4909	0.91	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2743-4909	0.94	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2743-4909	0.59	ND	ug/L	U
106-47-8	4-Chloroaniline	C2743-4909	0.52	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2743-4909	1.02	ND	ug/L	U
100-01-6	4-Nitroaniline	C2743-4909	1.19	ND	ug/L	U
100-02-7	4-Nitrophenol	C2743-4909	2.27	ND	ug/L	U
83-32-9	Acenaphthene	C2743-4909	1.13	ND	ug/L	U
208-96-8	Acenaphthylene	C2743-4909	1.03	ND	ug/L	U
62-53-3	Aniline	C2743-4909	0.26	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-12

Client Sample ID: FIELD DUP (SVOC)

Collected: 9/21/2011 17:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

## Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2743-4909	0.93	ND	ug/L	U
92-87-5	Benzidine	C2743-4909	31.7	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2743-4909	1.14	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2743-4909	1.01	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2743-4909	1.02	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2743-4909	1.17	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2743-4909	1.16	ND	ug/L	U
65-85-0	Benzoic acid	C2743-4909	11.4	ND	ug/L	U
100-51-6	Benzyl alcohol	C2743-4909	0.53	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2743-4909	1.48	ND	ug/L	U
86-74-8	Carbazole	C2743-4909	1.20	ND	ug/L	U
218-01-9	Chrysene	C2743-4909	1.06	ND	ug/L	U
	Cresols	C2743-4909	0.75	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2743-4909	1.08	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2743-4909	1.23	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2743-4909	0.97	ND	ug/L	U
132-64-9	Dibenzofuran	C2743-4909	0.89	ND	ug/L	U
84-66-2	Diethyl phthalate	C2743-4909	1.19	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2743-4909	1.13	ND	ug/L	U
206-44-0	Fluoranthene	C2743-4909	0.96	ND	ug/L	U
86-73-7	Fluorene	C2743-4909	1.01	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2743-4909	0.81	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2743-4909	1.17	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2743-4909	0.42	ND	ug/L	U
67-72-1	Hexachloroethane	C2743-4909	1.10	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2743-4909	1.06	ND	ug/L	U
78-59-1	Isophorone	C2743-4909	0.78	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2743-4909	0.82	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2743-4909	0.81	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2743-4909	1.22	ND	ug/L	U
91-20-3	Naphthalene	C2743-4909	0.97	ND	ug/L	U
98-95-3	Nitrobenzene	C2743-4909	1.01	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Semivolatile Compounds - EPA 8270C

### Sample: 1109409-12

Client Sample ID: FIELD DUP (SVOC)

Collected: 9/21/2011 17:45

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/28/2011

Preparation Date(s) : 9/28/2011

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2743-4909	0.90	ND	ug/L	U
85-01-8	Phenanthrene	C2743-4909	1.00	ND	ug/L	U
108-95-2	Phenol	C2743-4909	0.28	ND	ug/L	U
129-00-0	Pyrene	C2743-4909	1.12	ND	ug/L	U
110-86-1	Pyridine	C2743-4909	0.41	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2743-4909	1.06	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2743-4909	0.63	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2743-4909	0.86	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2743-4909	1.60	ND	ug/L	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2743-4909	84.6 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2743-4909	58.2 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2743-4909	25.7 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2743-4909	47.6 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2743-4909	16.9 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2743-4909	85.9 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Metals by Method SW846 6010/EPA 200.7

### Sample: 1109409-5

Client Sample ID: MW-10

Collected: 9/21/2011 18:55

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0016	0.0062	mg/L	
7440-50-8	Copper	0.0029	0.0091	mg/L	
7440-02-0	Nickel	0.00072	0.0046	mg/L	

### Sample: 1109409-6

Client Sample ID: MW-12

Collected: 9/21/2011 18:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0016	0.026	mg/L	
7440-50-8	Copper	0.0029	0.43	mg/L	
7440-02-0	Nickel	0.00072	0.71	mg/L	

### Sample: 1109409-10

Client Sample ID: MW-26R

Collected: 9/21/2011 16:01

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0016	ND	mg/L	U
7440-50-8	Copper	0.0029	0.0053	mg/L	
7440-02-0	Nickel	0.00072	ND	mg/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Nickel, Total by Method SW846 6010

### Sample: 1109409-1

Client Sample ID: MW-2

Collected: 9/21/2011 16:26

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.17	mg/L	

### Sample: 1109409-2

Client Sample ID: MW-3

Collected: 9/21/2011 15:55

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.091	mg/L	

### Sample: 1109409-3

Client Sample ID: MW-4

Collected: 9/21/2011 15:20

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.92	mg/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Nickel, Total by Method SW846 6010

### Sample: 1109409-4

Client Sample ID: MW-5R

Matrix: Liquid

Remarks:

Analyzed Date: 9/27/2011

Preparation Date(s) : 9/26/2011

Type: Grab

Collected: 9/21/2011 15:15

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	ND	mg/L	U

### Sample: 1109409-4MS

Client Sample ID: MW-5R

Matrix: Liquid

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

Type: Grab

Collected: 9/21/2011 15:15

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.56	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-02-0	Nickel	C4202-19	113.0	( 75 - 125)	





# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

10/4/2011

## Nickel, Total by Method SW846 6010

**Sample: 1109409-4MSD**

Client Sample ID: MW-5R

Matrix: Liquid

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

Type: Grab

Collected: 9/21/2011 15:15

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.59	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-02-0	Nickel	C4202-20	117.0	(75- 125)	

**Sample: 1109409-11**

Client Sample ID: FIELD DUP (MET)

Matrix: Liquid

Remarks:

Analyzed Date: 9/29/2011

Preparation Date(s) : 9/26/2011

Type: Grab

Collected: 9/21/2011 16:01

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.00072	0.28	mg/L	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## QC Data

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatle Data**

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile QC Data**

*Environmental Quality Services, Inc.*

## WATER SEMI-VOLATILE SYSTEM MONITORING COMPOUND REC

Lab Name: ENVIROMENTAL QUALITY SERVICES Contract: WYANDANCCustody No.: 1109409 Case No.: NA SAS No.: NA SDG No.: Level (Low/Med): Low

LAB SAMPLE ID	LAB FILE ID	SMC 1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOTAL OUT
SBLK-06	CA2743-4904	74.1	76.1	73.2	80.8	86.0	90.9	0
1109409-07	CA2743-4906	27.3	17.3	48.4	54.0	83.5	87.0	0
1109409-07MS	CA2743-4910	31.7	21.6	55.7	69.9	89.5	85.2	0
1109409-07MSD	CA2743-4911	28.9	20.5	52.3	70.0	90.9	89.5	0
1109409-08	CA2743-4907	28.5	19.5	51.1	64.9	85.6	85.9	0
1109409-09	CA2743-4908	24.7	18.0	45.3	62.8	83.0	77.1	0
1109409-12	CA2743-4909	25.7	16.9	47.6	58.2	84.6	85.9	0

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound Diluted Out

SMC1 = 2-FLUOROPHENOL

SMC2 = PHENOL-D6

SMC3 = NITROBENZENE-D5

SMC4 = 2-FLUOROBIPHENYL

SMC5 = 2,4,6-TRIBROMOPHENOL

SMC6 = TERPHENYL-D14

QC LIMITS:

(21.0-110)

(10.0-110)

(35.0-114)

(43.0-116)

(10.0-123)

(33.0-141)

00048

**3C-MSB  
WATER SEMI-VOLATILE MATRIX SPIKE BLANK RECOVERY**

Lab Name: Environmental Quality Services

Contract: \_\_\_\_\_

Lab Code: EQS

Case No.: NA

SAS No.: NA

SGD No.: \_\_\_\_\_

Blank Sample ID: SBLK-06

Matrix Spike ID: MSB-06

Method Blank Sample No.: C2743-4904

Matrix Spike Blank File ID: C2743-4905 9/28/11 3:12:00 PM

COMPOUND	SPIKE ADDED PPB	BLANK CONCENTRATION PPB	MSB CONCENTRATION PPB	MSB % RECOVERY #	QC LIMITS % RECOVERY
Phenol	40.0	0	17.3	43.4	(12.0-110)
2-Chlorophenol	40.0	0	17.2	43.0	(27.0-123)
1,4-Dichlorobenzene	40.0	0	18.0	45.1	(36.0-97.0)
1,2-Dichlorobenzene	40.0	0	18.0	45.0	(32.0-129)
Di-n-propylnitrosamine	40.0	0	16.4	41.1	(41.0-116)
Hexachloroethane	40.0	0	17.2	43.1	(40.0-113)
Isophorone	40.0	0	19.4	48.5	(21.0-196)
1,2,4-Trichlorobenzene	40.0	0	20.9	52.3	(39.0-98.0)
Naphthalene	40.0	0.35	18.8	46.2	(21.0-133)
Hexachlorobutadiene	40.0	0	20.9	52.3	(24.0-116)
4-Chloro-3-methylphenol	40.0	0	20.7	51.8	(23.0-97.0)
2-Methylnaphthalene	40.0	0	18.9	47.3	(28.0-104)
2,6-Dinitrotoluene	40.0	0	22.6	56.4	(50.0-158)
Acenaphthylene	40.0	0	20.5	51.2	(33.0-145)
Acenaphthene	40.0	0	19.2	48.0	(46.0-118)
4-Nitrophenol	40.0	0	21.6	54.0	(10.0-80.0)
2,4-Dinitrotoluene	40.0	0	24.9	62.3	(24.0-96.0)
Dibenzofuran	40.0	0	22.0	54.9	(30.0-98.0)
Pentachlorophenol	40.0	0	23.9	59.7	(9.00-103)
Pyrene	40.0	0	24.6	61.5	(26.0-127)
Benzo[a]pyrene	40.0	0	25.3	63.3	(17.0-163)

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

\* Values outside of QC limits

Spike Recovery: 0 out of 21 outside limits.

COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Quality Services

Contract: \_\_\_\_\_

Lab Code: EQS Case No.: NASAS No.: NA

SGD No.: \_\_\_\_\_

Matrix Spike - EPA Sample No.: 1109409-07Matrix Spike File ID: C2743-4910 9/28/2011 5:42:00 PMMatrix Spike Duplicate File ID: C2743-4911 9/28/2011 6:13:00 PM

ANALYTE	Spike Added ppb	CONCENTRATIONS			% RECOVERIES			QC LIMITS	
		SAMPLE ppb	MS ppb	MSD ppb	MS %	MSD %	RPD %	RPD %	RECOVERIES %
Phenol	40.0	0	8.08	7.67	20.2	19.2	5.24	25.0	(12.0-110)
2-Chlorophenol	40.0	0	19.2	17.3	47.9	43.2	10.4	32.0	(27.0-123)
1,4-Dichlorobenzene	40.0	0	19.9	16.1	49.7	40.1	21.3	23.0	(36.0-97.0)
1,2-Dichlorobenzene	40.0	0	20.0	16.5	49.9	41.3	18.8	30.0	(32.0-129)
Di-n-propylnitrosamine	40.0	0	18.8	18.1	47.0	45.2	3.93	24.0	(41.0-116)
Isophorone	40.0	0	23.0	22.6	57.5	56.6	1.59	28.0	(21.0-196)
1,2,4-Trichlorobenzene	40.0	0	24.2	20.7	60.6	51.7	15.9	30.0	(39.0-98.0)
Naphthalene	40.0	0	21.8	19.8	54.5	49.5	9.60	25.0	(21.0-133)
4-Chloro-3-methylphenol	40.0	0	24.4	25.5	61.1	63.9	4.45	25.0	(23.0-97.0)
2-Methylnaphthalene	40.0	0	22.6	21.0	56.5	52.5	7.32	23.0	(28.0-104)
Acenaphthylene	40.0	0	23.9	24.7	59.8	61.8	3.34	23.0	(33.0-145)
Acenaphthene	40.0	0	22.4	23.2	56.0	58.0	3.40	40.0	(46.0-118)
4-Nitrophenol	40.0	0	12.4	13.7	31.1	34.3	9.73	45.0	(10.0-80.0)
2,4-Dinitrotoluene	40.0	0	29.8	32.0	74.6	80.1	7.04	40.0	(24.0-96.0)
Dibenzofuran	40.0	0	26.3	27.1	65.8	67.8	3.02	25.0	(30.0-98.0)
Pentachlorophenol	40.0	0	30.1	30.7	75.3	76.8	2.08	36.0	(9.00-103)
Pyrene	40.0	0	28.6	30.2	71.5	75.5	5.44	47.0	(26.0-127)
Benzo[a]pyrene	40.0	0	29.2	31.1	73.1	77.6	6.06	28.0	(17.0-163)

\* Values outside of QC limits

RPD: 0 out of 18 outside limitsSpike Recovery: 0 out of 36 outside limits

COMMENTS: \_\_\_\_\_

## SEMI VOLATILE METHOD BLANK SUMMARY

EPA BLANK ID

SBLK-06

Lab Name: ENVIROMENTAL QUALITY SERV Contract: WYANDANC SDG No. : \_\_\_\_\_Lab Code: EQS Case No. : NA SAS No. : NAMatrix: LGC Column: Rtx-5MS - 0.25 mmInstrument ID: C2743Level: LowLab Sample ID: SBLK-06Lab File ID: C2743-4904Date Extracted: 9/28/11Date Analyzed: 09/28/2011Time Analyzed : 02:41:00 pm

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
	(MSB-06)	C2743-4905	09/28/2011 03:12:00 pm
MW-20	1109409-07	C2743-4906	09/28/2011 03:42:00 pm
MW-21	1109409-08	C2743-4907	09/28/2011 04:12:00 pm
MW-23	1109409-09	C2743-4908	09/28/2011 04:43:00 pm
FIELD DUP (SVOC)	1109409-12	C2743-4909	09/28/2011 05:12:00 pm
MW-20	1109409-07MS	C2743-4910	09/28/2011 05:42:00 pm
MW-20	1109409-07MSD	C2743-4911	09/28/2011 06:13:00 pm

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Lab File ID: C2732-151DFTPP Injection Date: 09/09/2011Instrument ID: C2732DFTPP Injection Time: 10:44:00 amGC Column: Rtx-5MS - 0.25 mm

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE	RAW ABUNDANCE	PASS/FAIL
51	30.0 - 60.0% of mass 198	42.8	35080	Pass
68	Less than 2% of mass 69	0	0 (1)	Pass
69	0-100% of mass 198	47.2	38632	Pass
70	Less than 2% of mass 69	0	0 (1)	Pass
127	40-60% of mass 198	59.0	48288	Pass
197	Less than 1% of mass 198	0	0	Pass
198	Base peak, 100% relative abundance	100	81888	Pass
199	5-9% of mass 198	6.46	5292	Pass
275	10-30% of mass 198	20.1	16480	Pass
365	Greater than 1% of mass 198	2.49	2042	Pass
441	Present, but less than mass 443	82.0	9094 (2)	Pass
442	40-110% of mass 198	72.6	59440	Pass
443	17-23% of mass 442	18.7	11090 (3)	Pass

1-Value is % mass 69 2-Value is % mass 443 3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD005-01	SSTD005-01	C2732-4766	09/09/2011	12:10:00 pm
SSTD010-02	SSTD010-02	C2732-4767	09/09/2011	12:40:00 pm
SSTD020-03	SSTD020-03	C2732-4768	09/09/2011	01:10:00 pm
SSTD040-04	SSTD040-04	C2732-4769	09/09/2011	01:39:00 pm
SSTD080-05	SSTD080-05	C2732-4770	09/09/2011	02:09:00 pm
SSTD020-03	SSTD020-03	C2732-4771	09/09/2011	02:39:00 pm

## SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NASDG No:                     Lab File ID: C2743-162DFTPP Injection Date: 09/28/2011Instrument ID: C2743DFTPP Injection Time: 11:22:00 amGC Column: Rtx-5MS - 0.25 mm

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE	RAW ABUNDANCE	PASS/FAIL
51	30.0 - 60.0% of mass 198	45.0	34024	Pass
68	Less than 2% of mass 69	1.91	687 (1)	Pass
69	0-100% of mass 198	47.6	35976	Pass
70	Less than 2% of mass 69	0	0 (1)	Pass
127	40-60% of mass 198	58.1	43904	Pass
197	Less than 1% of mass 198	0	0	Pass
198	Base peak, 100% relative abundance	100	75568	Pass
199	5-9% of mass 198	6.60	4987	Pass
275	10-30% of mass 198	19.7	14891	Pass
365	Greater than 1% of mass 198	3.15	2383	Pass
441	Present, but less than mass 443	78.1	7625 (2)	Pass
442	40-110% of mass 198	62.9	47552	Pass
443	17-23% of mass 442	20.5	9765 (3)	Pass

1-Value is % mass 69 2-Value is % mass 443 3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020-03	SSTD020-03	C2743-4903	09/28/2011	11:46:00 am
SBLK-06	SBLK-06	C2743-4904	09/28/2011	02:41:00 pm
MSB-06	MSB-06	C2743-4905	09/28/2011	03:12:00 pm
MW-20	1109409-07	C2743-4906	09/28/2011	03:42:00 pm
MW-21	1109409-08	C2743-4907	09/28/2011	04:12:00 pm
MW-23	1109409-09	C2743-4908	09/28/2011	04:43:00 pm
FIELD DUP (SVOC)	1109409-12	C2743-4909	09/28/2011	05:12:00 pm
MW-20	1109409-07MS	C2743-4910	09/28/2011	05:42:00 pm
MW-20	1109409-07MSD	C2743-4911	09/28/2011	06:13:00 pm

## SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Lab File ID (Standard): C2743-4903Date Analyzed: 09/28/2011Instrument ID: C2743Time Analyzed: 11:46:00 amGC Column: Rtx-5MS - 0.25 mm

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	244126	5.43	985196	6.65	565727	8.43
UPPER LIMIT	488252	5.93	1970392	7.15	1131454	8.93
LOWER LIMIT	122063	4.93	492598	6.15	282864	7.93
EPA SAMPLE NO.						
SBLK-06	245102	5.44	1002246	6.66	581235	8.44
1109409-07MS	309513	5.44	1240585	6.65	735936	8.43
1109409-07MSD	322107	5.43	1277716	6.65	754957	8.43
(MSB-06)	258150	5.44	1040300	6.65	604227	8.43
1109409-07	270938	5.43	1096668	6.65	658391	8.43
1109409-08	277078	5.43	1129520	6.65	678995	8.43
1109409-09	301419	5.43	1232104	6.65	753573	8.43
1109409-12	308363	5.43	1248701	6.65	752344	8.43

IS1 (DCB) = 1,4 Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area

AREA LOWERLIMIT = -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.

## SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ENVIROMENTAL QUALITY SERVICES Contract: WYANDANC  
 Lab Code: EQS Case No.: NA SAS No: NA SDG No: \_\_\_\_\_

Lab File ID (Standard): C2743-4903

Date Analyzed: 09/28/2011

Instrument ID: C2743

Time Analyzed: 11:46:00 am

GC Column: Rtx-5MS - 0.25 mm

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	875496	9.94	854249	12.96	732315	15.96
UPPER LIMIT	1750992	10.44	1708498	13.46	1464630	16.46
LOWER LIMIT	437748	9.44	427125	12.46	366158	15.46
EPA SAMPLE NO.						
SBLK-06	920726	9.95	851168	12.97	663593	15.97
1109409-07MS	1159280	9.94	1129342	12.96	1002216	15.96
1109409-07MSD	1211913	9.94	1168406	12.96	1032978	15.96
(MSB-06)	949593	9.94	926713	12.96	805491	15.95
1109409-07	1044966	9.94	979361	12.95	829656	15.95
1109409-08	1074091	9.94	1019759	12.95	857279	15.94
1109409-09	1226995	9.94	1216910	12.97	1003273	16.00
1109409-12	1181083	9.94	1113218	12.95	955829	15.94

IS4 (PHN) = Phenathrene

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area

AREA LOWERLIMIT = -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.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Sample Data**

*Environmental Quality Services, Inc.*

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4906Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
99-09-2	3-Nitroaniline	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
62-53-3	Aniline	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4906Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	ND	U
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
65-85-0	Benzoic acid	ND	U
100-51-6	Benzyl alcohol	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-74-8	Carbazole	ND	U
218-01-9	Chrysene	ND	U
	Cresols	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
84-66-2	Diethyl phthalate	ND	U
131-11-3	Dimethyl phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
118-74-1	Hexachlorobenzene	ND	U
87-68-3	Hexachlorobutadiene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
91-20-3	Naphthalene	ND	U
98-95-3	Nitrobenzene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4906Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
110-86-1	Pyridine	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U



Data File : U:\DATA\C\C2743\C4906.D Vial: 5  
 Acq On : 28 Sep 2011 3:42 pm Operator: ALR  
 Sample : 1109409-07 Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 16:10 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I	5.43	152	270938	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1096668	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	658391	40.00	ug/ml	-0.04
55) Phenanthrene-d10 (IS)	9.94	188	1044966	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.95	240	979361	40.00	ug/ml	-0.10
77) Perylene-d12 (IS)	15.95	264	829656	40.00	ug/ml	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol (surr)	4.36	112	492993	54.58	ug/ml	-0.03
Spiked Amount 200.000	Range 21 - 110		Recovery =	27.29%		
5) Phenol-d6 (surr)	5.06	99	383231	34.62	ug/ml	-0.03
Spiked Amount 200.000	Range 10 - 110		Recovery =	17.31%		
20) Nitrobenzene-d5 (surr)	5.97	82	458981	48.43	ug/ml	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	48.43%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1081636	54.04	ug/ml	-0.04
Spiked Amount 100.000	Range 43 - 116		Recovery =	54.04%		
59) 2,4,6-Tribromophenol (sur	9.25	330	322598	167.05	ug/ml	-0.04
Spiked Amount 200.000	Range 10 - 123		Recovery =	83.53%		
71) Terphenyl-d14 (surr)	11.53	244	1630301	87.00	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery =	87.00%		

Target Compounds Qvalue

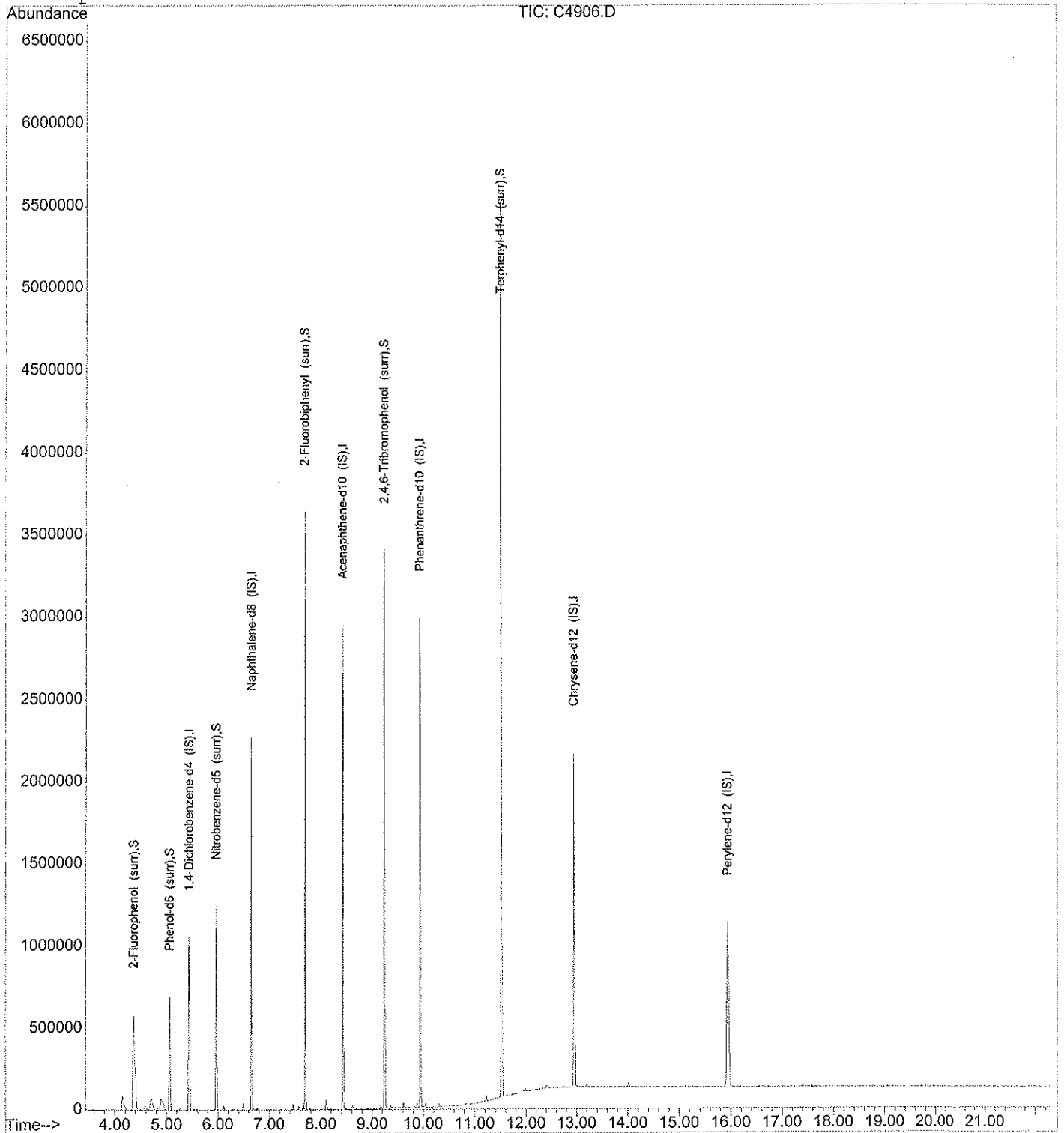
Quantitation Report

Data File : U:\DATA\C\C2743\C4906.D  
Acq On : 28 Sep 2011 3:42 pm  
Sample : 1109409-07  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 28 16:10 2011

Vial: 5  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4910Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	26.9	
95-50-1	1,2-Dichlorobenzene	22.2	
122-66-7	1,2-Diphenylhydrazine	23.6	
541-73-1	1,3-Dichlorobenzene	21.7	
106-46-7	1,4-Dichlorobenzene	22.1	
58-90-2	2,3,4,6-Tetrachlorophenol	38.8	
95-95-4	2,4,5-Trichlorophenol	31.6	
88-06-2	2,4,6-Trichlorophenol	30.5	
120-83-2	2,4-Dichlorophenol	26.2	
105-67-9	2,4-Dimethylphenol	23.7	
51-28-5	2,4-Dinitrophenol	20.5	J
121-14-2	2,4-Dinitrotoluene	33.2	
606-20-2	2,6-Dinitrotoluene	29.9	
91-58-7	2-Chloronaphthalene	25.6	
95-57-8	2-Chlorophenol	21.3	
91-57-6	2-Methylnaphthalene	25.1	
95-48-7	2-Methylphenol	18.6	
88-74-4	2-Nitroaniline	24.7	
88-75-5	2-Nitrophenol	23.3	
106-44-5	3+4-Methylphenol	17.1	
91-94-1	3,3'-Dichlorobenzidine	79.8	
99-09-2	3-Nitroaniline	24.3	
534-52-1	4,6-Dinitro-2-methylphenol	25.4	
101-55-3	4-Bromophenyl phenyl ether	32.2	
59-50-7	4-Chloro-3-methylphenol	27.1	
106-47-8	4-Chloroaniline	22.3	
7005-72-3	4-Chlorophenyl phenyl ether	31.8	
100-01-6	4-Nitroaniline	27.0	
100-02-7	4-Nitrophenol	13.8	J
83-32-9	Acenaphthene	24.9	
208-96-8	Acenaphthylene	26.6	
62-53-3	Aniline	14.5	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4910Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	30.4	
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	32.7	
50-32-8	Benzo(a)pyrene	32.5	
205-99-2	Benzo(b)fluoranthene	32.4	
191-24-2	Benzo(g,h,i)perylene	35.9	
207-08-9	Benzo(k)fluoranthene	34.3	
65-85-0	Benzoic acid	20.1	J
100-51-6	Benzyl alcohol	17.6	
85-68-7	Butyl benzyl phthalate	28.9	
86-74-8	Carbazole	35.8	
218-01-9	Chrysene	32.6	
	Cresols	35.7	
84-74-2	Di-n-butyl phthalate	30.4	
117-84-0	Di-n-octyl phthalate	29.0	
53-70-3	Dibenz(a,h)anthracene	36.2	
132-64-9	Dibenzofuran	29.2	
84-66-2	Diethyl phthalate	32.2	
131-11-3	Dimethyl phthalate	30.9	
206-44-0	Fluoranthene	34.8	
86-73-7	Fluorene	31.2	
118-74-1	Hexachlorobenzene	32.2	
87-68-3	Hexachlorobutadiene	27.0	
77-47-4	Hexachlorocyclopentadiene	19.0	J
67-72-1	Hexachloroethane	21.1	
193-39-5	Indeno(1,2,3-cd)pyrene	35.7	
78-59-1	Isophorone	25.5	
621-64-7	N-Nitrosodi-n-propylamine	20.9	
62-75-9	N-Nitrosodimethylamine	13.8	
86-30-6	N-Nitrosodiphenylamine	35.0	
91-20-3	Naphthalene	24.2	B
98-95-3	Nitrobenzene	23.4	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4910Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	33.5	
85-01-8	Phenanthrene	31.4	
108-95-2	Phenol	8.98	
129-00-0	Pyrene	31.8	
110-86-1	Pyridine	9.54	
111-91-1	bis(2-Chloroethoxy)methane	21.4	
111-44-4	bis(2-Chloroethyl)ether	20.1	
108-60-1	bis(2-Chloroisopropyl)ether	19.0	
117-81-7	bis(2-Ethylhexyl)phthalate	32.2	

Data File : U:\DATA\C\C2743\C4910.D

Vial: 9

Acq On : 28 Sep 2011 5:42 pm

Operator: ALR

Sample : 1109409-07MS

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 29 8:36 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I	5.44	152	309513	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1240585	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	735936	40.00	ug/ml	-0.04
55) Phenanthrene-d10 (IS)	9.94	188	1159280	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.96	240	1129342	40.00	ug/ml	-0.09
77) Perylene-d12 (IS)	15.96	264	1002216	40.00	ug/ml	-0.17

## System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.37	112	653249	63.31	ug/ml	-0.02
Spiked Amount 200.000	Range 21 - 110		Recovery =	31.66%		
5) Phenol-d6 (surr)	5.07	99	545446	43.14	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	21.57%		
20) Nitrobenzene-d5 (surr)	5.96	82	597134	55.70	ug/ml	-0.04
Spiked Amount 100.000	Range 35 - 114		Recovery =	55.70%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1564423	69.92	ug/ml	-0.04
Spiked Amount 100.000	Range 43 - 116		Recovery =	69.92%		
59) 2,4,6-Tribromophenol (sur	9.24	330	383406	178.96	ug/ml	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	89.48%		
71) Terphenyl-d14 (surr)	11.53	244	1841553	85.22	ug/ml	-0.06
Spiked Amount 100.000	Range 33 - 141		Recovery =	85.22%		

## Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.51	42	57317	12.39	ug/ml#	65
3) Pyridine	3.54	79	106129	8.58	ug/ml	99
6) Phenol	5.08	94	115360	8.08	ug/ml	99
7) Aniline	5.17	66	78859	13.09	ug/ml	81
8) bis(2-Chloroethyl) ether	5.17	63	152889	18.06	ug/ml	95
9) 2-Chlorophenol	5.28	128	219348	19.17	ug/ml	100
10) 1,3-Dichlorobenzene	5.40	146	254250	19.57	ug/ml	98
11) 1,4-Dichlorobenzene	5.45	146	253571	19.88	ug/ml	100
12) Benzyl alcohol	5.54	108	121154	15.81	ug/ml	98
13) 1,2-Dichlorobenzene	5.63	146	241179	19.96	ug/ml	100
14) 2-Methylphenol	5.61	108	184873	16.73	ug/ml	99
15) bis(2-Chloroisopropyl) ethe	5.65	45	251073	17.14	ug/ml	92
16) 4-Methylphenol	5.74	108	177572	15.41	ug/ml	88
17) N-Nitrosodi-n-propylamine	5.79	70	135178	18.78	ug/ml	93
18) Hexachloroethane	5.92	117	94646	19.02	ug/ml	100
21) Nitrobenzene	5.99	123	117817	21.10	ug/ml	100
22) Isophorone	6.18	82	465322	22.99	ug/ml	97
23) 2-Nitrophenol	6.29	139	128247	20.95	ug/ml	97
24) 2,4-Dimethylphenol	6.25	122	214754	21.31	ug/ml	99
25) Benzoic acid	6.32	105	149864	18.07	ug/ml	97

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

C4910.D C\_8270A.M Thu Oct 13 10:13:40 2011

Data File : U:\DATA\C\C2743\C4910.D

Vial: 9

Acq On : 28 Sep 2011 5:42 pm

Operator: ALR

Sample : 1109409-07MS

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 29 8:36 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.34	93	270248	19.30	ug/ml	99
27) 2,4-Dichlorophenol	6.49	162	203391	23.62	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.59	180	210227	24.25	ug/ml	99
29) Naphthalene	6.67	128	729644	21.80	ug/ml	100
30) 4-Chloroaniline	6.71	127	269512	20.05	ug/ml	100
31) Hexachlorobutadiene	6.80	225	102386	24.32	ug/ml	97
32) 4-Chloro-3-methylphenol	7.13	107	229443	24.44	ug/ml	91
33) 2-Methylnaphthalene	7.34	142	519983	22.61	ug/ml	100
35) Hexachlorocyclopentadiene	7.55	237	68694	17.11	ug/ml	99
36) 2,4,6-Trichlorophenol	7.63	196	154557	27.49	ug/ml	99
37) 2,4,5-Trichlorophenol	7.67	196	176739	28.46	ug/ml	99
39) 2-Chloronaphthalene	7.84	162	468048	23.08	ug/ml	100
40) 2-Nitroaniline	7.96	65	136103	22.23	ug/ml	91
41) Dimethylphthalate	8.12	163	669716	27.84	ug/ml	92
42) 2,6-Dinitrotoluene	8.21	165	142382	26.91	ug/ml	95
43) Acenaphthylene	8.28	152	824514	23.92	ug/ml	99
44) 3-Nitroaniline	8.38	138	132662	21.85	ug/ml	95
45) Acenaphthene	8.46	154	525438	22.42	ug/ml	91
46) 2,4-Dinitrophenol	8.48	184	42470	18.42	ug/ml#	70
47) 4-Nitrophenol	8.49	65	51564	12.43	ug/ml	94
48) 2,4-Dinitrotoluene	8.62	165	206747	29.85	ug/ml	95
49) Dibenzofuran	8.61	168	768618	26.32	ug/ml	99
50) 2,3,4,6-Tetrachlorophenol	8.73	232	132336	34.91	ug/ml#	88
51) Diethylphthalate	8.81	149	738308	28.98	ug/ml	99
52) Fluorene	8.97	166	663085	28.10	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.92	204	281479	28.65	ug/ml	97
54) 4-Nitroaniline	9.01	138	141359	24.31	ug/ml	97
56) 4,6-Dinitro-2-methylphenol	9.04	198	78789	22.86	ug/ml	93
57) N-Nitrosodiphenylamine	9.05	169	579073	31.47	ug/ml	99
58) 1,2-Diphenylhydrazine	9.08	77	621482	21.25	ug/ml#	92
60) 4-Bromophenyl phenyl ether	9.43	248	150826	28.95	ug/ml	100
61) Hexachlorobenzene	9.62	284	145015	28.94	ug/ml	96
62) Pentachlorophenol	9.79	266	100352	30.11	ug/ml	97
63) Phenanthrene	9.97	178	983348	28.27	ug/ml	100
64) Anthracene	10.01	178	990548	27.39	ug/ml	99
65) Carbazole	10.16	167	918341	32.26	ug/ml#	95
66) Di-n-butylphthalate	10.44	149	1416656	27.38	ug/ml	99
67) Fluoranthene	11.19	202	1095418	31.29	ug/ml#	89
69) Benzidine	11.28	184	268583	18.91	ug/ml#	91
70) Pyrene	11.45	202	1137785	28.62	ug/ml#	86
72) Butylbenzylphthalate	12.04	149	655358	25.98	ug/ml	89

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

C4910.D C\_8270A.M Thu Oct 13 10:13:42 2011

Data File : U:\DATA\C\C2743\C4910.D

Vial: 9

Acq On : 28 Sep 2011 5:42 pm

Operator: ALR

Sample : 1109409-07MS

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 29 8:36 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.84	252	586091	71.82	ug/ml	100
74) bis(2-Ethylhexyl)phthalate	12.74	149	1093694	29.00	ug/ml	98
75) Benzo(a)anthracene	12.92	228	1002881	29.46	ug/ml#	89
76) Chrysene	13.00	228	956028	29.34	ug/ml#	86
78) Di-n-octylphthalate	13.74	149	1691072	26.12	ug/ml	99
79) Benzo(b)fluoranthene	14.98	252	930804	29.12	ug/ml#	87
80) Benzo(k)fluoranthene	15.03	252	955904	30.91	ug/ml#	87
81) Benzo(a)pyrene	15.80	252	867514	29.23	ug/ml#	84
82) Indeno(1,2,3-cd)pyrene	19.44	276	953639	32.09	ug/ml#	82
83) Dibenz(a,h)anthracene	19.44	278	797410	32.58	ug/ml	100
84) Benzo(g,h,i)perylene	20.53	276	758938	32.27	ug/ml#	84

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

C4910.D C\_8270A.M Thu Oct 13 10:13:42 2011

Page 3  
00067



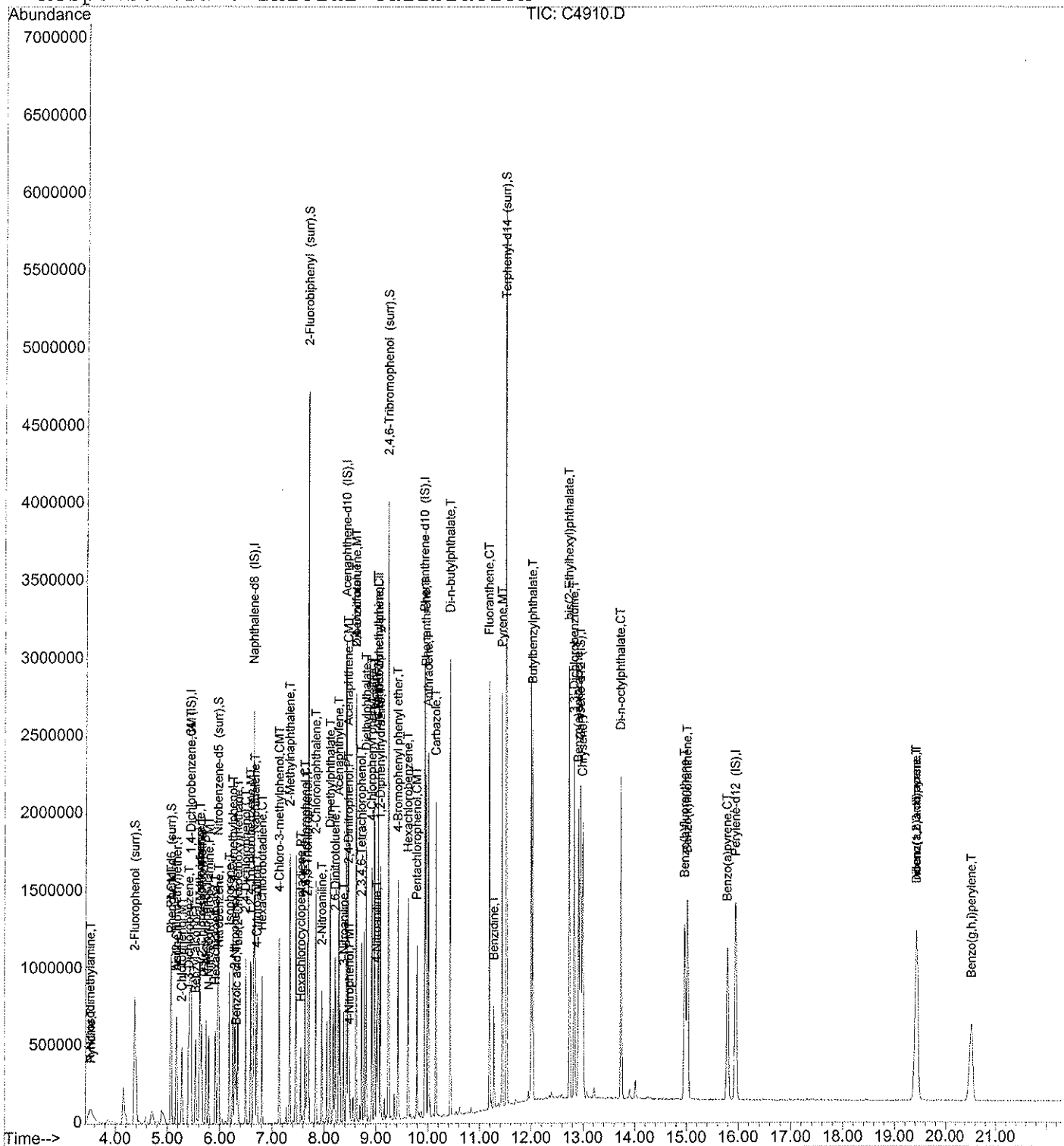
Quantitation Report

Data File : U:\DATA\C\C2743\C4910.D  
Acq On : 28 Sep 2011 5:42 pm  
Sample : 1109409-07MS  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 29 8:36 2011

Vial: 9  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSDSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4911Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	23.0	
95-50-1	1,2-Dichlorobenzene	18.4	
122-66-7	1,2-Diphenylhydrazine	24.5	
541-73-1	1,3-Dichlorobenzene	17.9	
106-46-7	1,4-Dichlorobenzene	17.8	
58-90-2	2,3,4,6-Tetrachlorophenol	40.7	
95-95-4	2,4,5-Trichlorophenol	32.4	
88-06-2	2,4,6-Trichlorophenol	31.3	
120-83-2	2,4-Dichlorophenol	25.0	
105-67-9	2,4-Dimethylphenol	23.0	
51-28-5	2,4-Dinitrophenol	18.9	J
121-14-2	2,4-Dinitrotoluene	35.6	
606-20-2	2,6-Dinitrotoluene	31.9	
91-58-7	2-Chloronaphthalene	25.1	
95-57-8	2-Chlorophenol	19.2	
91-57-6	2-Methylnaphthalene	23.3	
95-48-7	2-Methylphenol	17.2	
88-74-4	2-Nitroaniline	25.8	
88-75-5	2-Nitrophenol	21.8	
106-44-5	3+4-Methylphenol	16.2	
91-94-1	3,3'-Dichlorobenzidine	75.8	
99-09-2	3-Nitroaniline	7.57	
534-52-1	4,6-Dinitro-2-methylphenol	24.8	
101-55-3	4-Bromophenyl phenyl ether	33.6	
59-50-7	4-Chloro-3-methylphenol	28.4	
106-47-8	4-Chloroaniline	0.82	J
7005-72-3	4-Chlorophenyl phenyl ether	33.4	
100-01-6	4-Nitroaniline	25.1	
100-02-7	4-Nitrophenol	15.2	J
83-32-9	Acenaphthene	25.8	
208-96-8	Acenaphthylene	27.5	
62-53-3	Aniline	11.3	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSDSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4911Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	31.9	
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	34.3	
50-32-8	Benzo(a)pyrene	34.5	
205-99-2	Benzo(b)fluoranthene	35.2	
191-24-2	Benzo(g,h,i)perylene	37.8	
207-08-9	Benzo(k)fluoranthene	35.3	
65-85-0	Benzoic acid	22.1	J
100-51-6	Benzyl alcohol	12.7	
85-68-7	Butyl benzyl phthalate	30.4	
86-74-8	Carbazole	37.5	
218-01-9	Chrysene	34.3	
	Cresols	33.4	
84-74-2	Di-n-butyl phthalate	31.7	
117-84-0	Di-n-octyl phthalate	30.9	
53-70-3	Dibenz(a,h)anthracene	38.2	
132-64-9	Dibenzofuran	30.1	
84-66-2	Diethyl phthalate	34.1	
131-11-3	Dimethyl phthalate	32.4	
206-44-0	Fluoranthene	36.4	
86-73-7	Fluorene	33.1	
118-74-1	Hexachlorobenzene	34.0	
87-68-3	Hexachlorobutadiene	21.9	
77-47-4	Hexachlorocyclopentadiene	19.6	J
67-72-1	Hexachloroethane	16.6	
193-39-5	Indeno(1,2,3-cd)pyrene	37.5	
78-59-1	Isophorone	25.1	
621-64-7	N-Nitrosodi-n-propylamine	20.1	
62-75-9	N-Nitrosodimethylamine	8.20	
86-30-6	N-Nitrosodiphenylamine	36.6	
91-20-3	Naphthalene	22.0	B
98-95-3	Nitrobenzene	21.9	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA SDG No: \_\_\_\_\_Matrix: (Soil/Water) WaterLab Sample ID: 1109409-07MSDSample wt/vol: 900 (g/mL) mLLab File ID: C2743-4911Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	34.2	
85-01-8	Phenanthrene	33.0	
108-95-2	Phenol	8.52	
129-00-0	Pyrene	33.6	
110-86-1	Pyridine	ND	U
111-91-1	bis(2-Chloroethoxy)methane	20.2	
111-44-4	bis(2-Chloroethyl)ether	16.5	
108-60-1	bis(2-Chloroisopropyl)ether	17.1	
117-81-7	bis(2-Ethylhexyl)phthalate	34.1	

Data File : U:\DATA\C\C2743\C4911.D Vial: 10  
 Acq On : 28 Sep 2011 6:13 pm Operator: ALR  
 Sample : 1109409-07MSD Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 29 8:37 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.43	152	322107	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1277716	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	754957	40.00	ug/ml	-0.04
55) Phenanthrene-d10 (IS)	9.94	188	1211913	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.96	240	1168406	40.00	ug/ml	-0.09
77) Perylene-d12 (IS)	15.96	264	1032978	40.00	ug/ml	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol (surr)	4.37	112	620545	57.79	ug/ml	-0.02
Spiked Amount 200.000	Range 21 - 110		Recovery =	28.90%		
5) Phenol-d6 (surr)	5.06	99	540766	41.09	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	20.55%		
20) Nitrobenzene-d5 (surr)	5.97	82	577563	52.31	ug/ml	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	52.31%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1606307	69.99	ug/ml	-0.04
Spiked Amount 100.000	Range 43 - 116		Recovery =	69.99%		
59) 2,4,6-Tribromophenol (sur)	9.25	330	407055	181.74	ug/ml	-0.04
Spiked Amount 200.000	Range 10 - 123		Recovery =	90.87%		
71) Terphenyl-d14 (surr)	11.53	244	2000631	89.49	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery =	89.49%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.51	42	35541	7.38	ug/ml	81
6) Phenol	5.07	94	113919	7.67	ug/ml	93
7) Aniline	5.07	66	63487	10.13	ug/ml#	66
8) bis(2-Chloroethyl) ether	5.18	63	130842	14.85	ug/ml	93
9) 2-Chlorophenol	5.28	128	205654	17.27	ug/ml	98
10) 1,3-Dichlorobenzene	5.41	146	218032	16.12	ug/ml	98
11) 1,4-Dichlorobenzene	5.45	146	213112	16.06	ug/ml	99
12) Benzyl alcohol	5.54	108	90934	11.40	ug/ml	97
13) 1,2-Dichlorobenzene	5.63	146	207775	16.52	ug/ml	100
14) 2-Methylphenol	5.61	108	178236	15.50	ug/ml	98
15) bis(2-Chloroisopropyl) ethe	5.66	45	235073	15.42	ug/ml	91
16) 4-Methylphenol	5.74	108	175295	14.61	ug/ml	92
17) N-Nitrosodi-n-propylamine	5.79	70	135255	18.06	ug/ml	91
18) Hexachloroethane	5.91	117	77417	14.95	ug/ml	99
21) Nitrobenzene	5.98	123	113425	19.72	ug/ml	95
22) Isophorone	6.18	82	471672	22.63	ug/ml	97
23) 2-Nitrophenol	6.29	139	123938	19.66	ug/ml	94
24) 2,4-Dimethylphenol	6.25	122	215012	20.72	ug/ml	96
25) Benzoic acid	6.32	105	170269	19.93	ug/ml	99
26) bis(2-Chloroethoxy) methane	6.35	93	261780	18.15	ug/ml	100

(#) = qualifier out of range (m) = manual integration  
 C4911.D C\_8270A.M Thu Oct 13 10:31:16 2011

Data File : U:\DATA\C\C2743\C4911.D

Vial: 10

Acq On : 28 Sep 2011 6:13 pm

Operator: ALR

Sample : 1109409-07MSD

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 29 8:37 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2,4-Dichlorophenol	6.49	162	199625	22.51	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.59	180	184592	20.67	ug/ml	97
29) Naphthalene	6.67	128	682613	19.80	ug/ml	100
30) 4-Chloroaniline	6.71	127	10248	0.74	ug/ml#	80
31) Hexachlorobutadiene	6.80	225	85570	19.74	ug/ml	100
32) 4-Chloro-3-methylphenol	7.14	107	247058	25.55	ug/ml	90
33) 2-Methylnaphthalene	7.34	142	497706	21.01	ug/ml	98
35) Hexachlorocyclopentadiene	7.55	237	72667	17.64	ug/ml	99
36) 2,4,6-Trichlorophenol	7.63	196	162552	28.19	ug/ml	99
37) 2,4,5-Trichlorophenol	7.68	196	185691	29.15	ug/ml	99
39) 2-Chloronaphthalene	7.84	162	469629	22.57	ug/ml	100
40) 2-Nitroaniline	7.96	65	145864	23.22	ug/ml	87
41) Dimethylphthalate	8.12	163	718942	29.14	ug/ml	92
42) 2,6-Dinitrotoluene	8.22	165	155819	28.71	ug/ml	93
43) Acenaphthylene	8.28	152	874549	24.74	ug/ml	98
44) 3-Nitroaniline	8.38	138	42413	6.81	ug/ml	99
45) Acenaphthene	8.46	154	557666	23.19	ug/ml	92
46) 2,4-Dinitrophenol	8.47	184	40289	17.03	ug/ml#	79
47) 4-Nitrophenol	8.49	65	58308	13.70	ug/ml	94
48) 2,4-Dinitrotoluene	8.62	165	227565	32.03	ug/ml	91
49) Dibenzofuran	8.62	168	812654	27.13	ug/ml	98
50) 2,3,4,6-Tetrachlorophenol	8.72	232	142327	36.60	ug/ml#	79
51) Diethylphthalate	8.81	149	802262	30.70	ug/ml	99
52) Fluorene	8.97	166	721392	29.80	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.93	204	303027	30.06	ug/ml	99
54) 4-Nitroaniline	9.02	138	134784	22.60	ug/ml	95
56) 4,6-Dinitro-2-methylphenol	9.04	198	80450	22.33	ug/ml	95
57) N-Nitrosodiphenylamine	9.05	169	633638	32.94	ug/ml	100
58) 1,2-Diphenylhydrazine	9.09	77	674152	22.05	ug/ml#	92
60) 4-Bromophenyl phenyl ether	9.43	248	164817	30.26	ug/ml	99
61) Hexachlorobenzene	9.62	284	160439	30.63	ug/ml	99
62) Pentachlorophenol	9.79	266	107108	30.74	ug/ml	99
63) Phenanthrene	9.97	178	1080717	29.72	ug/ml	99
64) Anthracene	10.01	178	1086604	28.74	ug/ml	99
65) Carbazole	10.16	167	1005438	33.79	ug/ml#	95
66) Di-n-butylphthalate	10.44	149	1544301	28.55	ug/ml	99
67) Fluoranthene	11.20	202	1198544	32.75	ug/ml#	88
70) Pyrene	11.44	202	1242970	30.22	ug/ml#	88
72) Butylbenzylphthalate	12.03	149	713612	27.35	ug/ml	93
73) 3,3'-Dichlorobenzidine	12.84	252	576173	68.24	ug/ml	99
74) bis(2-Ethylhexyl)phthalate	12.74	149	1197348	30.68	ug/ml	98

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

C4911.D C\_8270A.M Thu Oct 13 10:31:18 2011

Data File : U:\DATA\C\C2743\C4911.D Vial: 10  
 Acq On : 28 Sep 2011 6:13 pm Operator: ALR  
 Sample : 1109409-07MSD Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 29 8:37 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
75) Benzo(a)anthracene	12.92	228	1088644	30.91	ug/ml#	88
76) Chrysene	13.00	228	1040861	30.87	ug/ml#	88
78) Di-n-octylphthalate	13.74	149	1856361	27.82	ug/ml	99
79) Benzo(b)fluoranthene	14.97	252	1042515	31.64	ug/ml#	86
80) Benzo(k)fluoranthene	15.03	252	1011200	31.73	ug/ml#	86
81) Benzo(a)pyrene	15.80	252	949985	31.05	ug/ml#	86
82) Indeno(1,2,3-cd)pyrene	19.45	276	1032451	33.71	ug/ml#	81
83) Dibenz(a,h)anthracene	19.45	278	866583	34.35	ug/ml	100
84) Benzo(g,h,i)perylene	20.53	276	824467	34.02	ug/ml#	85

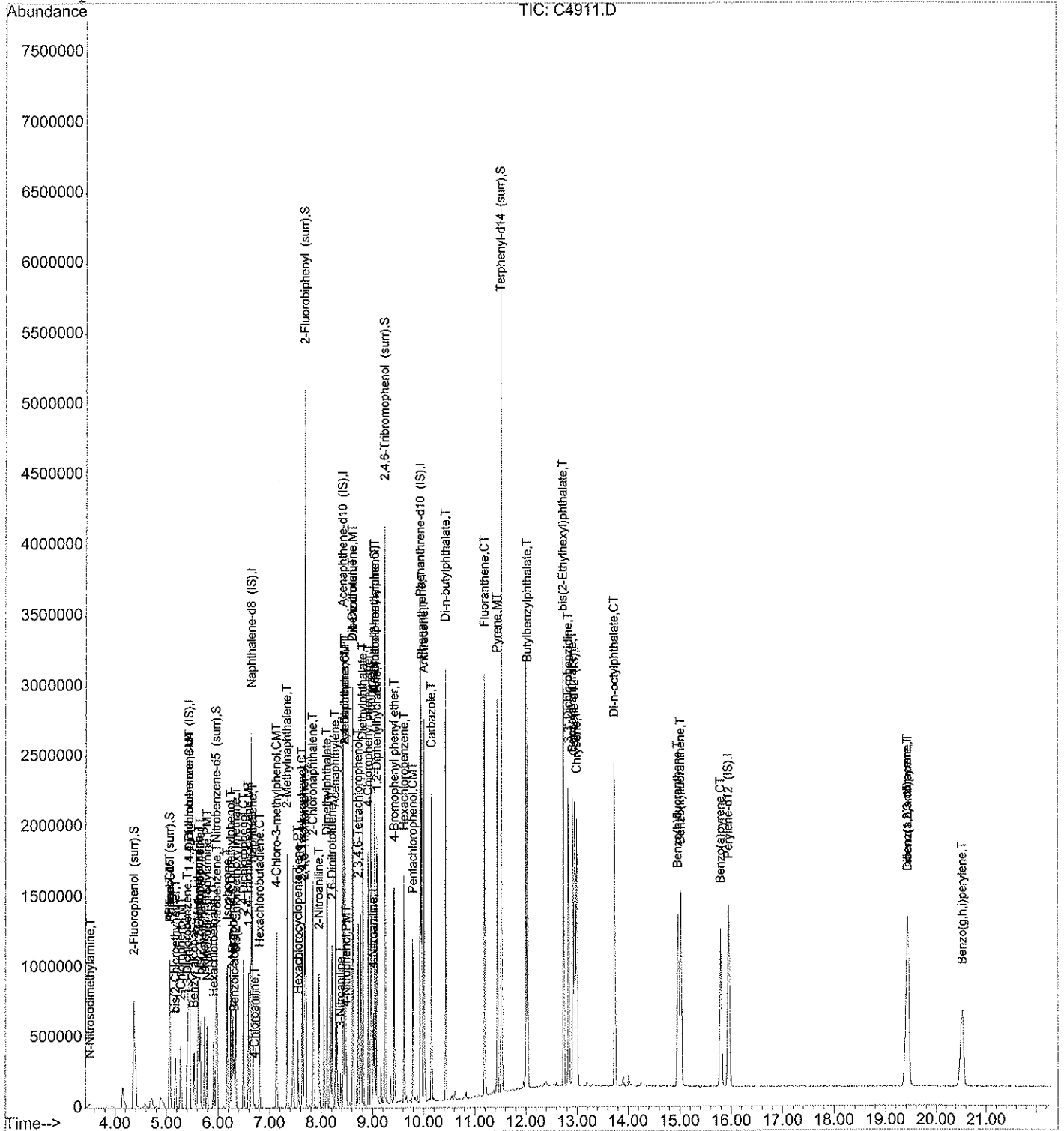
Quantitation Report

Data File : U:\DATA\C\C2743\C4911.D  
Acq On : 28 Sep 2011 6:13 pm  
Sample : 1109409-07MSD  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 29 8:37 2011

Vial: 10  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration





## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-08Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4907Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
91-94-1	3,3'-Dichlorobenzidine	2.18	J
99-09-2	3-Nitroaniline	15.1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	21.8	
7005-72-3	4-Chlorophenyl phenyl ether	ND	U
100-01-6	4-Nitroaniline	2.65	J
100-02-7	4-Nitrophenol	ND	U
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
62-53-3	Aniline	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-08Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4907Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000  $\mu$ LDate Analyzed: 09/28/11Injection Volume: 0.5 ( $\mu$ L)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	ND	U
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
65-85-0	Benzoic acid	ND	U
100-51-6	Benzyl alcohol	5.31	J
85-68-7	Butyl benzyl phthalate	ND	U
86-74-8	Carbazole	ND	U
218-01-9	Chrysene	ND	U
	Cresols	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
84-66-2	Diethyl phthalate	ND	U
131-11-3	Dimethyl phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
118-74-1	Hexachlorobenzene	ND	U
87-68-3	Hexachlorobutadiene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
91-20-3	Naphthalene	ND	U
98-95-3	Nitrobenzene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-08Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4907Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
110-86-1	Pyridine	8.47	
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.58	J

Data File : U:\DATA\C\C2743\C4907.D

Vial: 6

Acq On : 28 Sep 2011 4:12 pm

Operator: ALR

Sample : 1109409-08

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 29 8:25 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I	5.43	152	277078	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1129520	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	678995	40.00	ug/ml	-0.05
55) Phenanthrene-d10 (IS)	9.94	188	1074091	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.95	240	1019759	40.00	ug/ml	-0.10
77) Perylene-d12 (IS)	15.94	264	857279	40.00	ug/ml	-0.19

## System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.36	112	525915	56.93	ug/ml	-0.03
Spiked Amount 200.000	Range 21 - 110		Recovery =	28.47%		
5) Phenol-d6 (surr)	5.06	99	440847	38.95	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	19.48%		
20) Nitrobenzene-d5 (surr)	5.96	82	498315	51.05	ug/ml	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	51.05%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1340415	64.94	ug/ml	-0.05
Spiked Amount 100.000	Range 43 - 116		Recovery =	64.94%		
59) 2,4,6-Tribromophenol (sur	9.24	330	339824	171.19	ug/ml	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	85.59%		
71) Terphenyl-d14 (surr)	11.53	244	1676515	85.92	ug/ml	-0.06
Spiked Amount 100.000	Range 33 - 141		Recovery =	85.92%		

## Target Compounds

						Qvalue
3) Pyridine	3.53	79	84369	7.62	ug/ml	95
12) Benzyl alcohol	5.54	108	32760	4.77	ug/ml	94
30) 4-Chloroaniline	6.71	127	240058	19.62	ug/ml	99
<del>33) 2-Methylnaphthalene</del>	<del>7.34</del>	<del>142</del>	<del>6961</del>	<del>0.33</del>	<del>ug/ml</del>	<del>90</del>
44) 3-Nitroaniline	8.37	138	76343m	13.63	ug/ml	94
54) 4-Nitroaniline	9.00	138	12812	2.39	ug/ml	99
<del>69) Benzidine</del>	<del>11.27</del>	<del>184</del>	<del>36638</del>	<del>2.86</del>	<del>ug/ml</del>	<del>94</del>
73) 3,3'-Dichlorobenzidine	12.82	252	14468	1.96	ug/ml	92
74) bis(2-Ethylhexyl)phthalate	12.73	149	79126	2.32	ug/ml	98

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

C4907.D C\_8270A.M Thu Oct 13 10:07:27 2011

Page 1  
00079

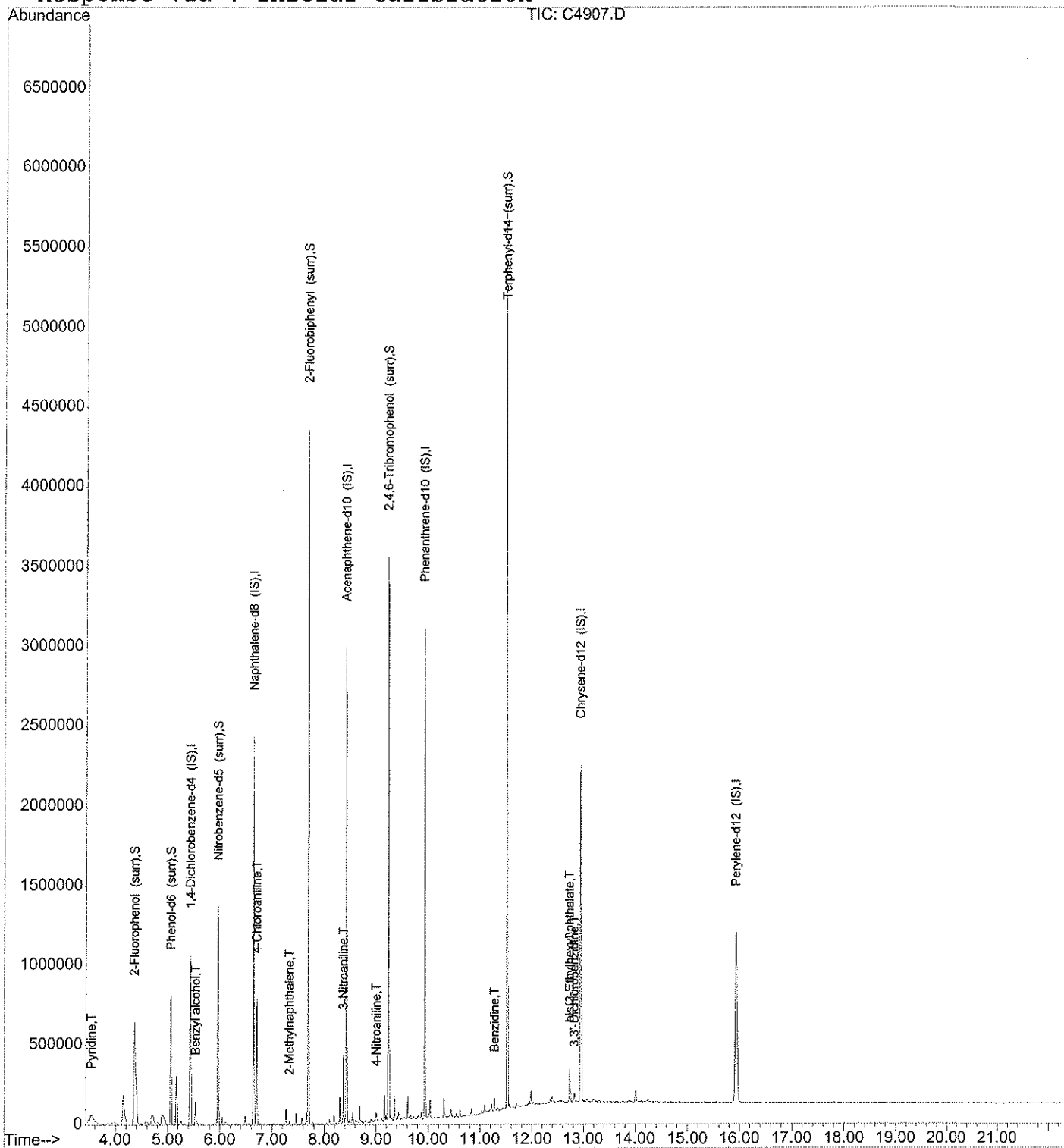
Quantitation Report

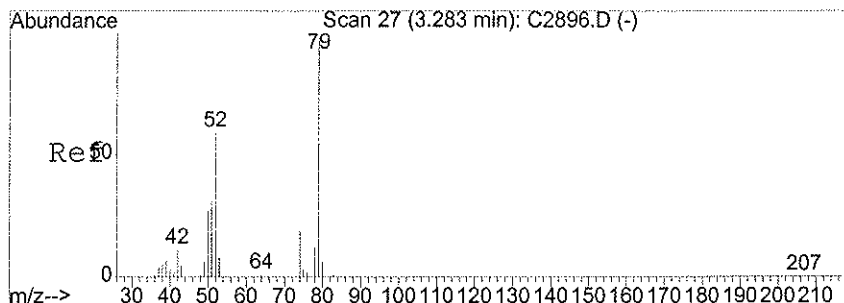
Data File : U:\DATA\C\C2743\C4907.D  
Acq On : 28 Sep 2011 4:12 pm  
Sample : 1109409-08  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 29 8:25 2011

Vial: 6  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

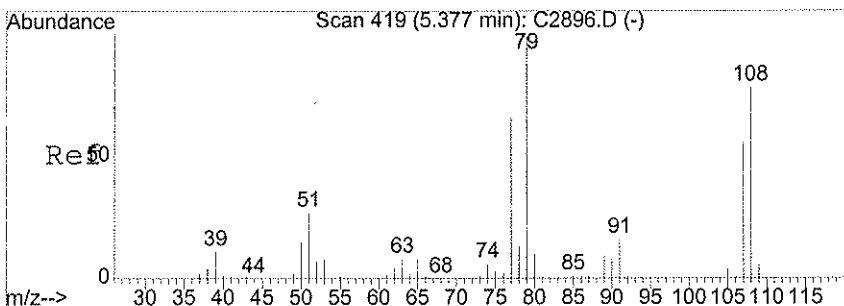
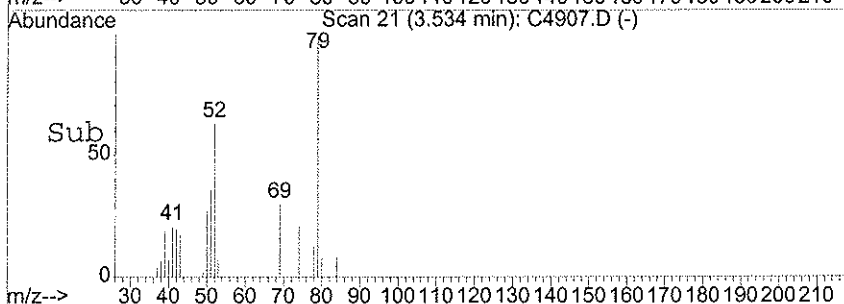
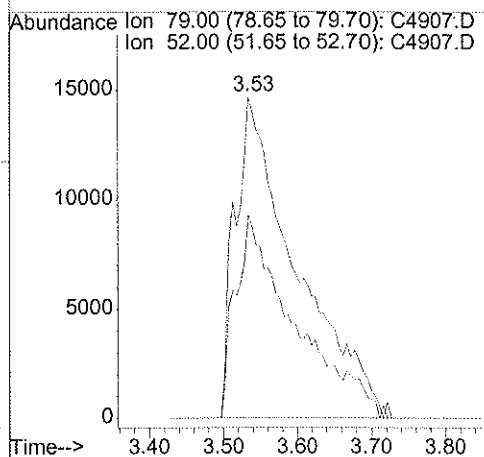
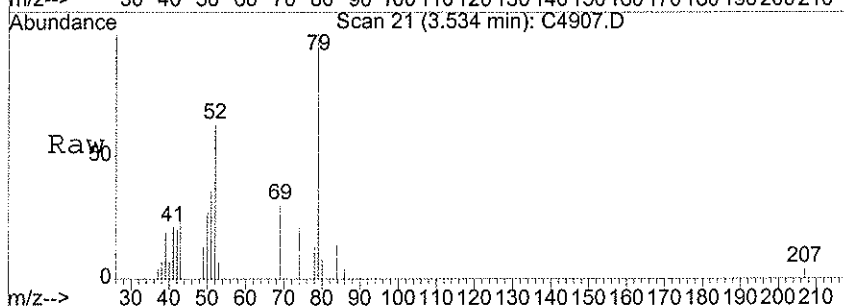
Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration





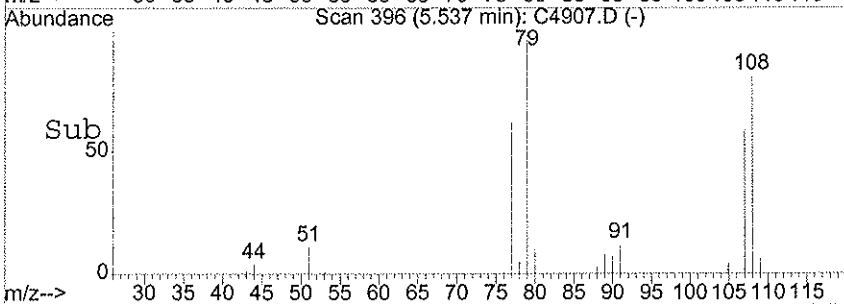
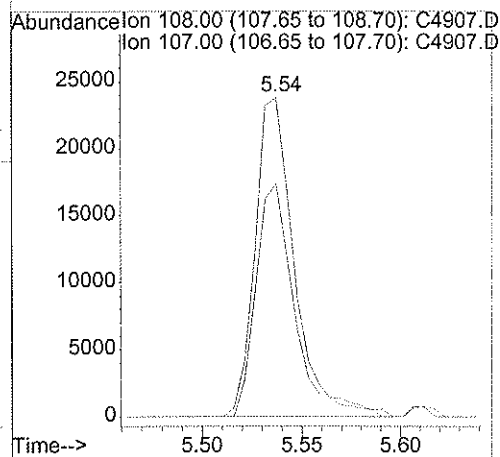
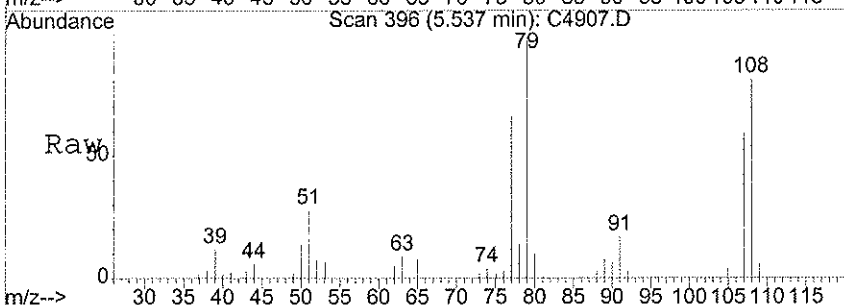
#3  
 Pyridine  
 Concen: 7.62 ug/ml  
 RT: 3.53 min Scan# 21  
 Delta R.T. -0.04 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

Tgt Ion	Resp	Lower	Upper
79	100		
52	63.4	47.5	71.3

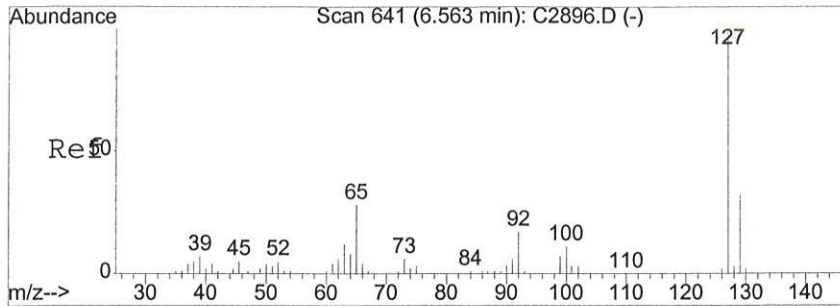


#12  
 Benzyl alcohol  
 Concen: 4.77 ug/ml  
 RT: 5.54 min Scan# 396  
 Delta R.T. -0.03 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

Tgt Ion	Resp	Lower	Upper
108	100		
107	73.0	54.4	81.6

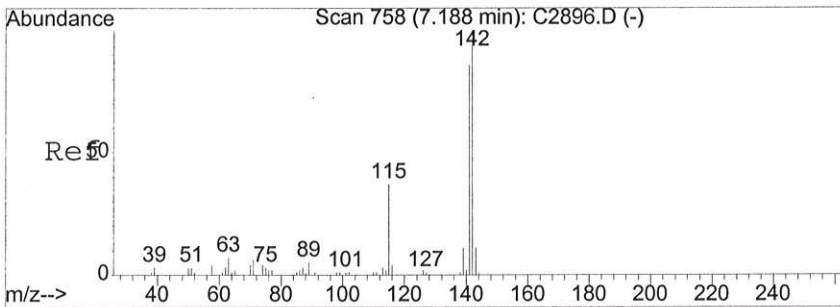
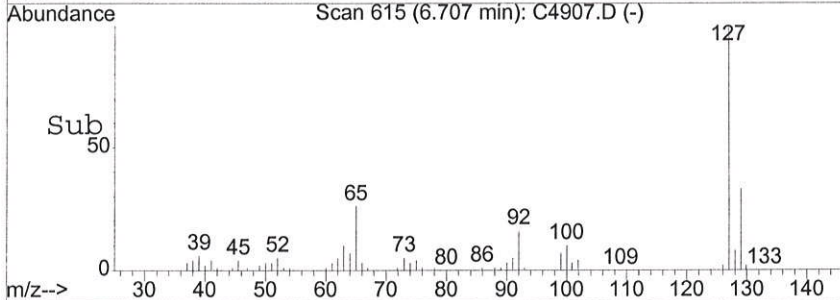
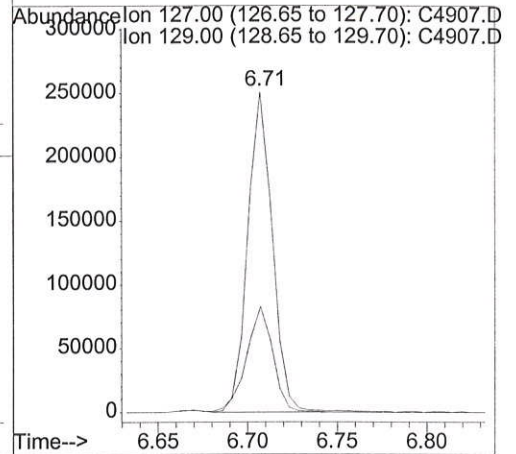
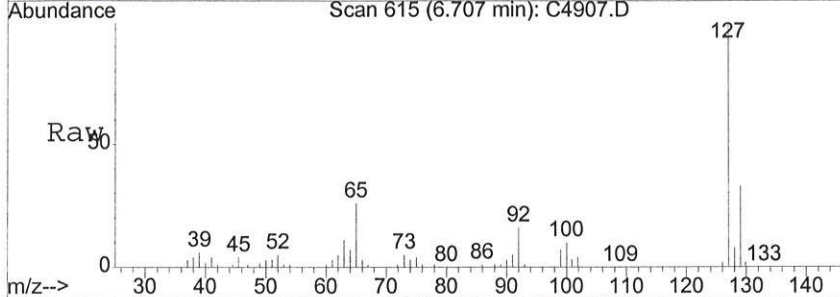






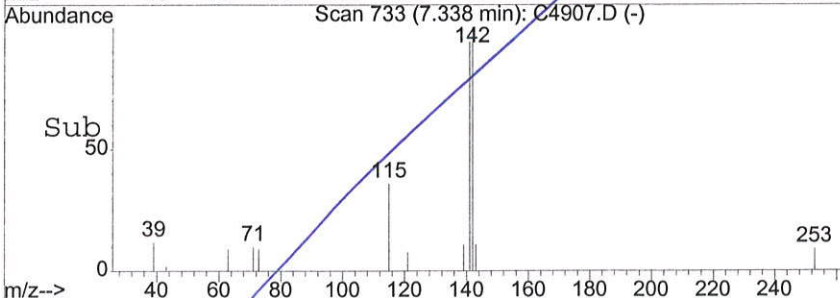
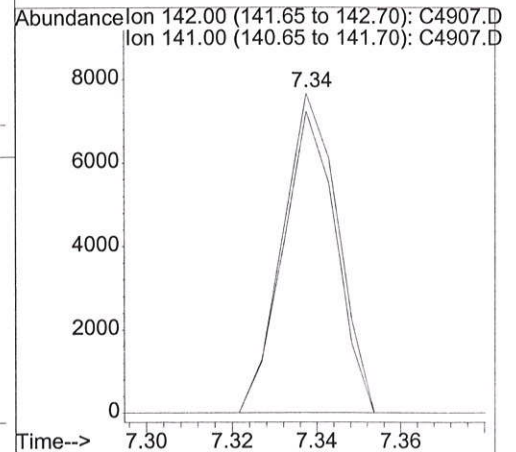
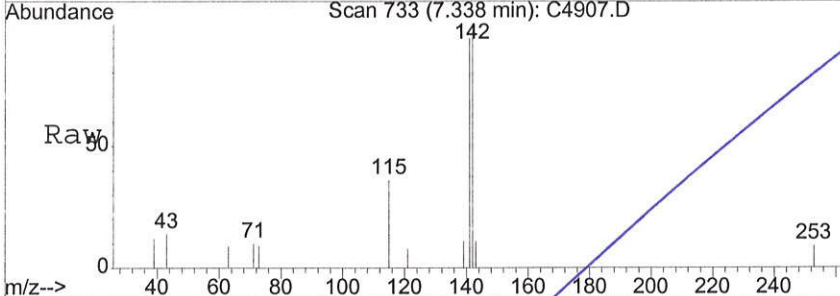
#30  
 4-Chloroaniline  
 Concen: 19.62 ug/ml  
 RT: 6.71 min Scan# 615  
 Delta R.T. -0.03 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

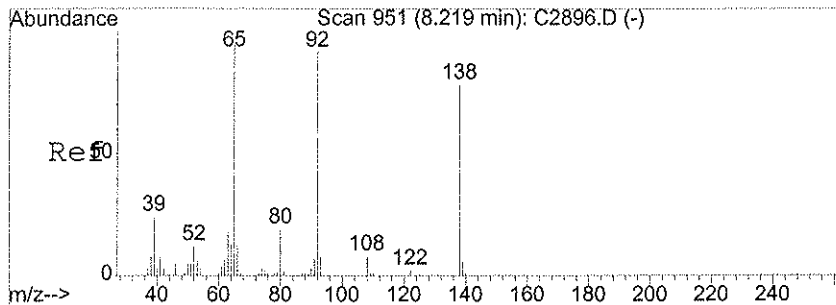
Tgt Ion: 127 Resp: 240058  
 Ion Ratio Lower Upper  
 127 100  
 129 32.9 26.0 39.0



#33  
 2-Methylnaphthalene  
 Concen: 0.33 ug/ml  
 RT: 7.34 min Scan# 733  
 Delta R.T. -0.04 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

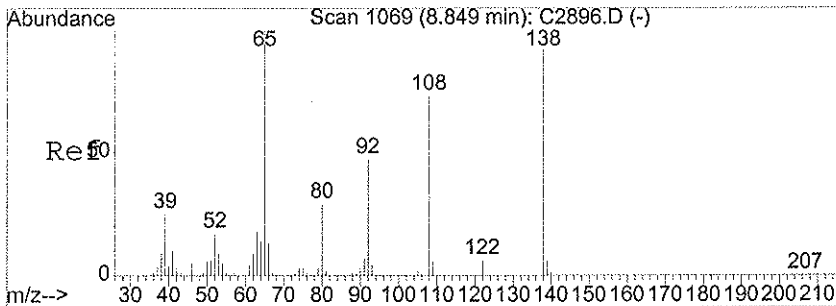
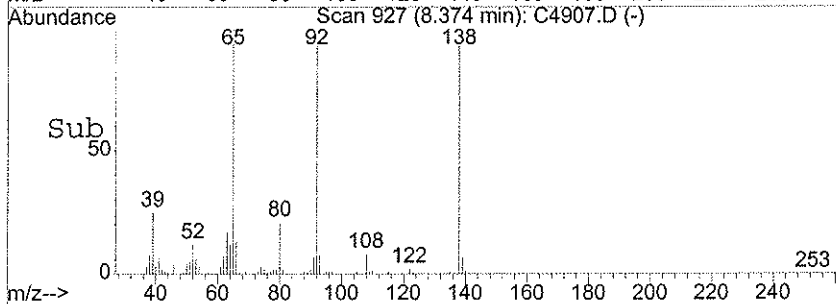
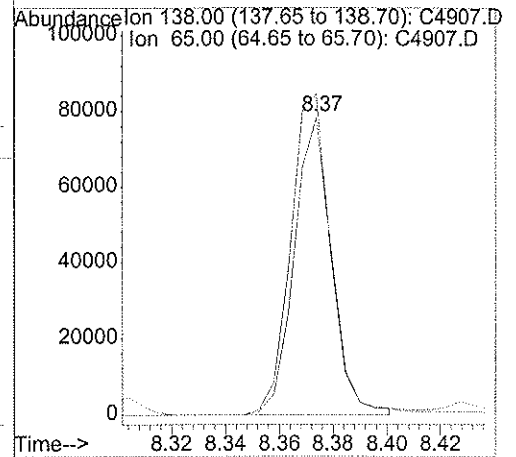
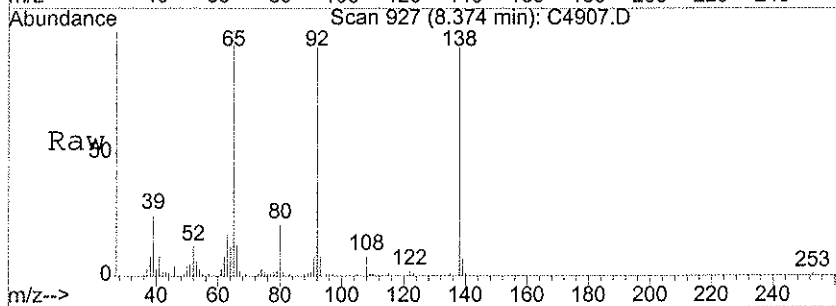
Tgt Ion: 142 Resp: 6961  
 Ion Ratio Lower Upper  
 142 100  
 141 94.3 68.4 102.6





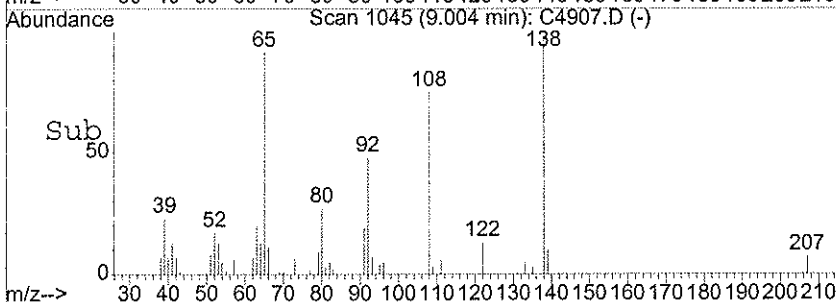
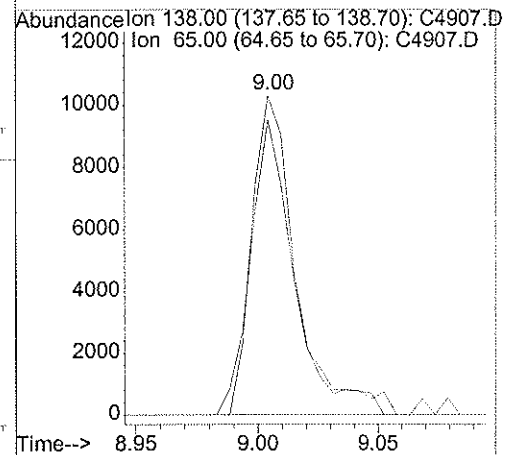
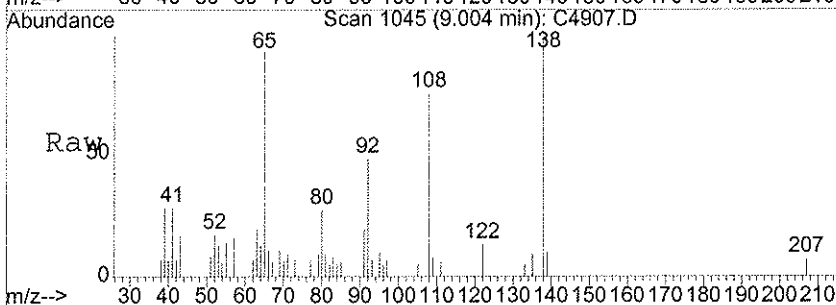
#44  
 3-Nitroaniline  
 Concen: 13.63 ug/ml m  
 RT: 8.37 min Scan# 927  
 Delta R.T. -0.05 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

Tgt Ion: 138 Resp: 76343  
 Ion Ratio Lower Upper  
 138 100  
 65 107.8 88.1 132.1

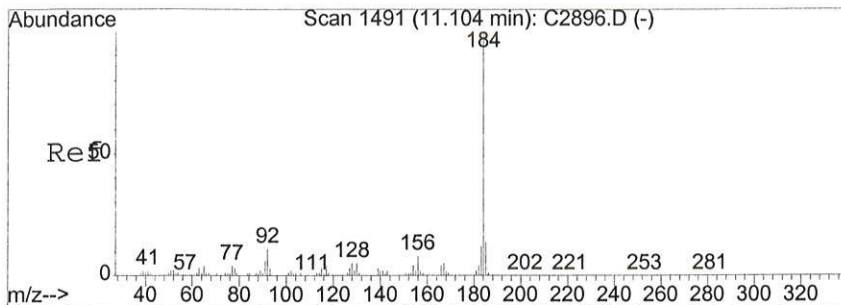


#54  
 4-Nitroaniline  
 Concen: 2.39 ug/ml  
 RT: 9.00 min Scan# 1045  
 Delta R.T. -0.06 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

Tgt Ion: 138 Resp: 12812  
 Ion Ratio Lower Upper  
 138 100  
 65 92.5 75.0 112.6

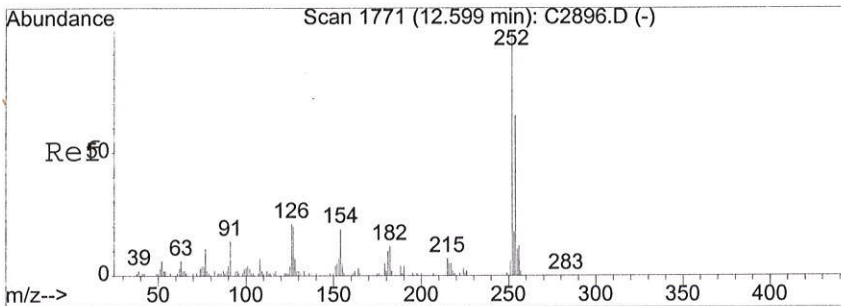
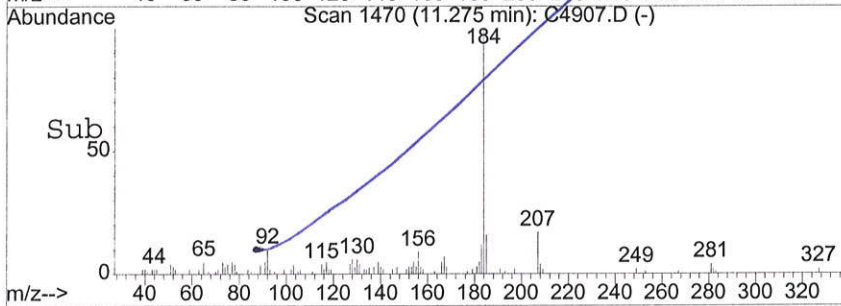
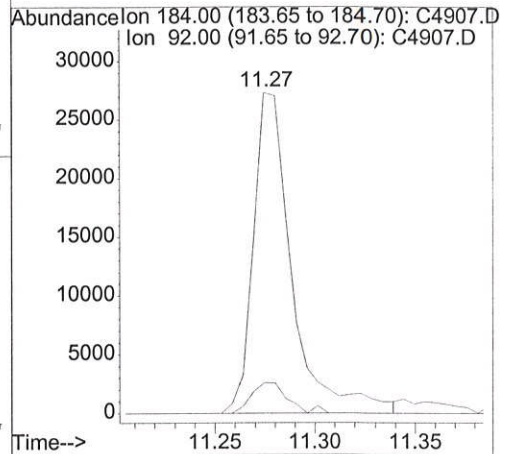
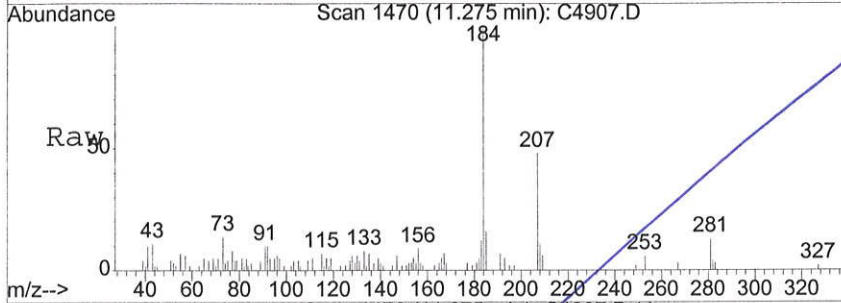






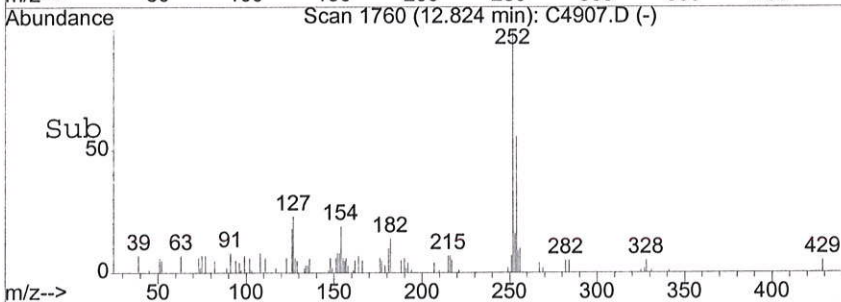
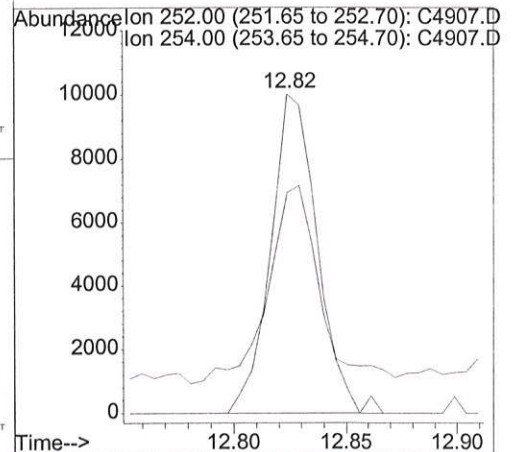
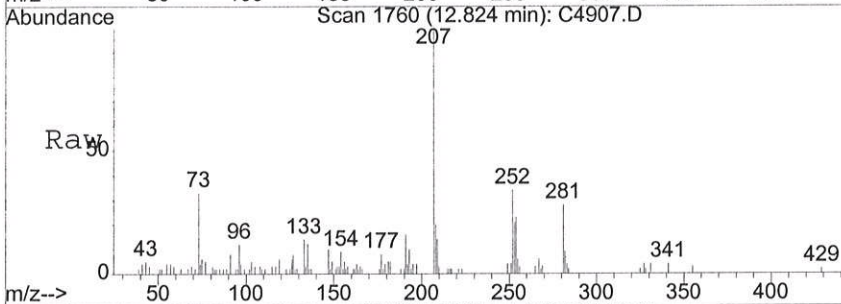
#69  
Benzidine  
Concen: 2.86 ug/ml  
RT: 11.27 min Scan# 1470  
Delta R.T. -0.06 min  
Lab File: C4907.D  
Acq: 28 Sep 2011 4:12 pm

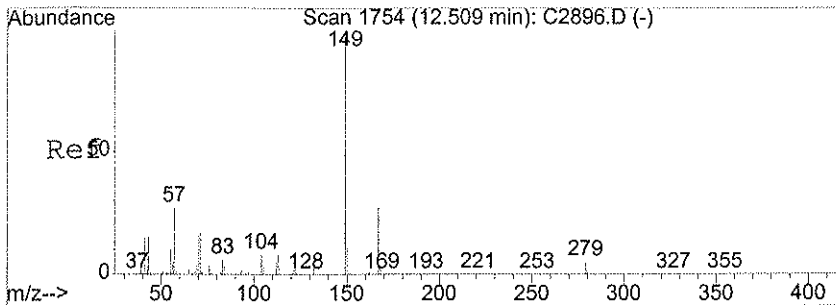
Tgt Ion	Ratio	Lower	Upper
184	100		
92	9.5	9.4	14.0



#73  
3,3'-Dichlorobenzidine  
Concen: 1.96 ug/ml  
RT: 12.82 min Scan# 1760  
Delta R.T. -0.10 min  
Lab File: C4907.D  
Acq: 28 Sep 2011 4:12 pm

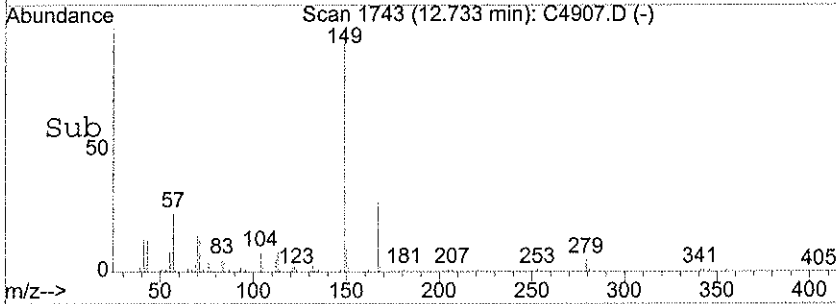
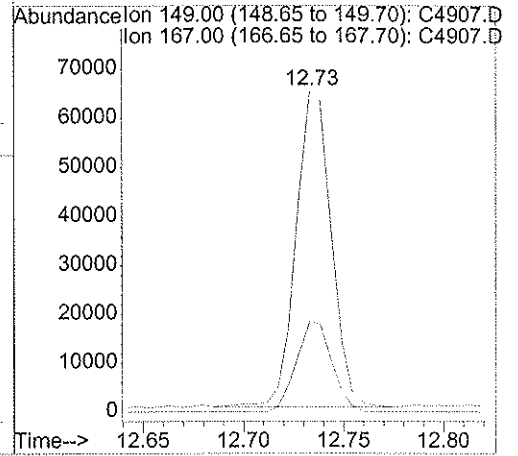
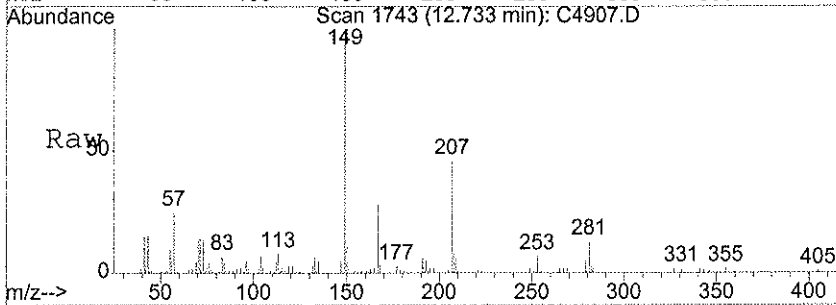
Tgt Ion	Ratio	Lower	Upper
252	100		
254	69.3	50.7	76.1





#74  
 bis(2-Ethylhexyl)phthalate  
 Concen: 2.32 ug/ml  
 RT: 12.73 min Scan# 1743  
 Delta R.T. -0.09 min  
 Lab File: C4907.D  
 Acq: 28 Sep 2011 4:12 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.4	35.2



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-09Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4908Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
91-57-6	2-Methylnaphthalene	0.96	J
95-48-7	2-Methylphenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
99-09-2	3-Nitroaniline	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
62-53-3	Aniline	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-09Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4908Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	ND	U
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
65-85-0	Benzoic acid	ND	U
100-51-6	Benzyl alcohol	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-74-8	Carbazole	ND	U
218-01-9	Chrysene	ND	U
	Cresols	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
84-66-2	Diethyl phthalate	ND	U
131-11-3	Dimethyl phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
118-74-1	Hexachlorobenzene	ND	U
87-68-3	Hexachlorobutadiene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
91-20-3	Naphthalene	1.37	BJ
98-95-3	Nitrobenzene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-09Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4908Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
110-86-1	Pyridine	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	2.19	J

Data File : U:\DATA\C\C2743\C4908.D Vial: 7  
 Acq On : 28 Sep 2011 4:43 pm Operator: ALR  
 Sample : 1109409-09 Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 29 8:28 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I	5.43	152	301419	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1232104	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	753573	40.00	ug/ml	-0.05
55) Phenanthrene-d10 (IS)	9.94	188	1226995	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.97	240	1216910	40.00	ug/ml	-0.08
77) Perylene-d12 (IS)	16.00	264	1003273	40.00	ug/ml	-0.13

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.36	112	495772	49.34	ug/ml	-0.03
Spiked Amount 200.000	Range 21 - 110		Recovery =	24.67%		
5) Phenol-d6 (surr)	5.06	99	444198	36.07	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	18.04%		
20) Nitrobenzene-d5 (surr)	5.97	82	482835	45.35	ug/ml	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	45.35%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1439571	62.84	ug/ml	-0.05
Spiked Amount 100.000	Range 43 - 116		Recovery =	62.84%		
59) 2,4,6-Tribromophenol (sur	9.25	330	376204	165.90	ug/ml	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	82.95%		
71) Terphenyl-d14 (surr)	11.53	244	1795975	77.13	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery =	77.13%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
29) Naphthalene	6.67	128	40883	1.23	ug/ml	99
33) 2-Methylnaphthalene	7.34	142	19730	0.86	ug/ml	100
<del>51) Diethylphthalate</del>	<del>8.81</del>	<del>149</del>	<del>12673</del>	<del>0.49</del>	<del>ug/ml</del>	<del>92</del>
74) bis(2-Ethylhexyl)phthalate	12.75	149	80061	1.97	ug/ml	94

PC  
10/13/11

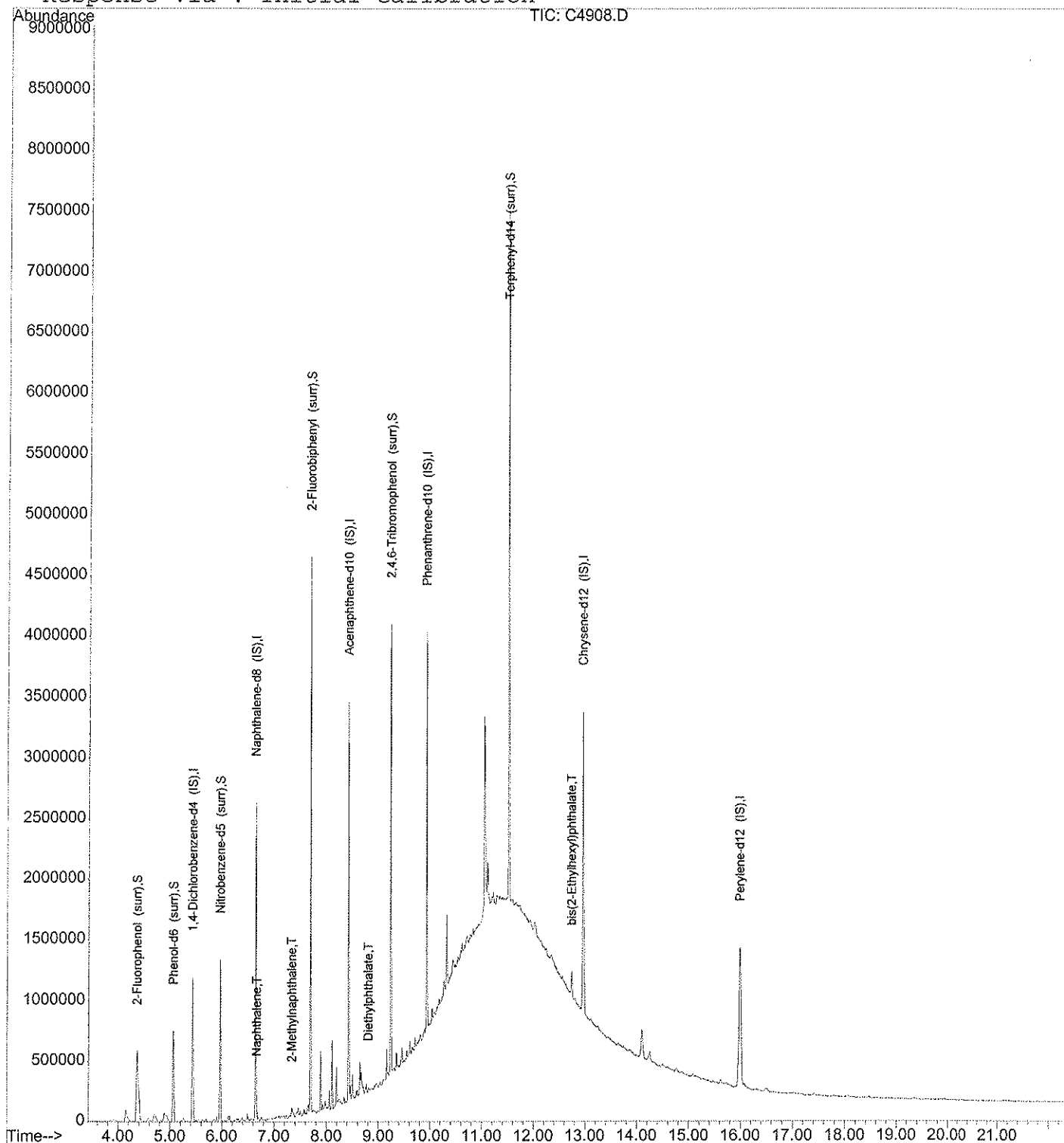
Quantitation Report

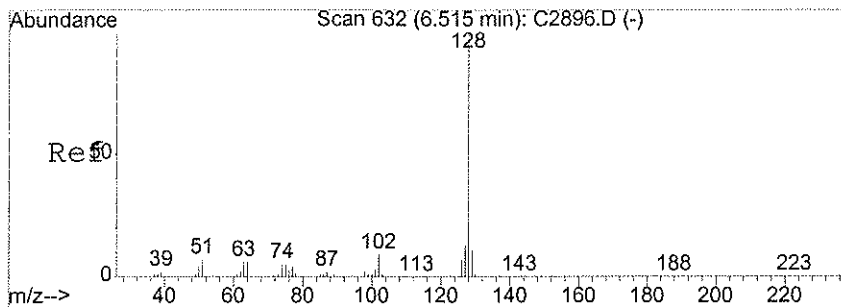
Data File : U:\DATA\C\C2743\C4908.D  
Acq On : 28 Sep 2011 4:43 pm  
Sample : 1109409-09  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 29 8:28 2011

Vial: 7  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

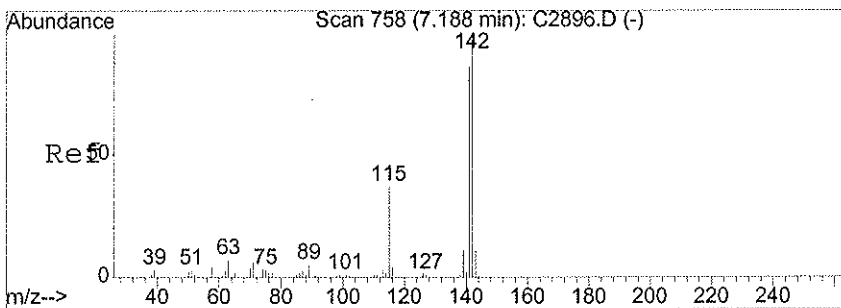
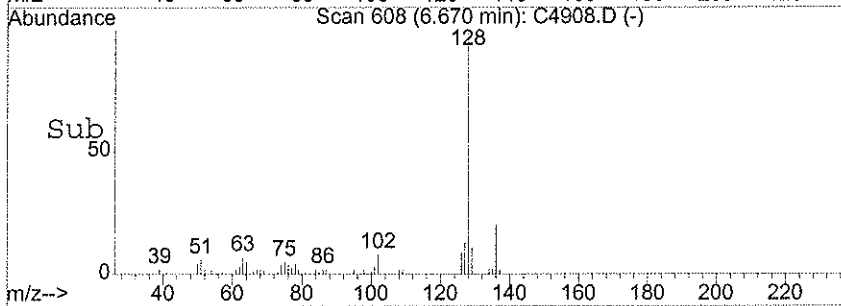
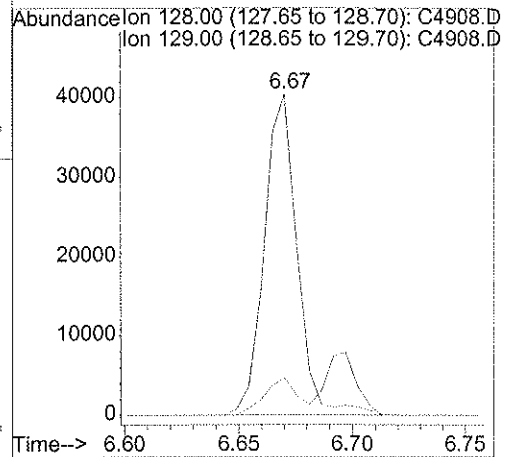
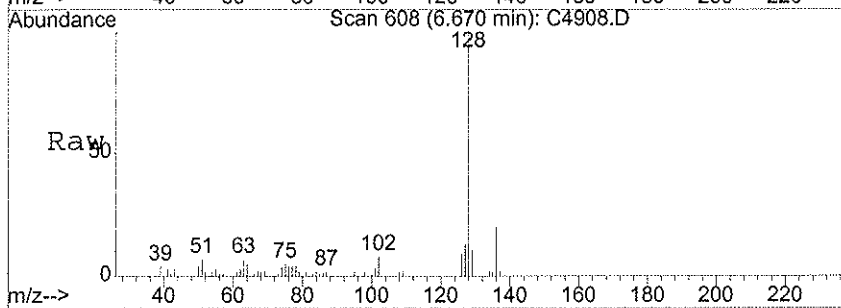
Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration





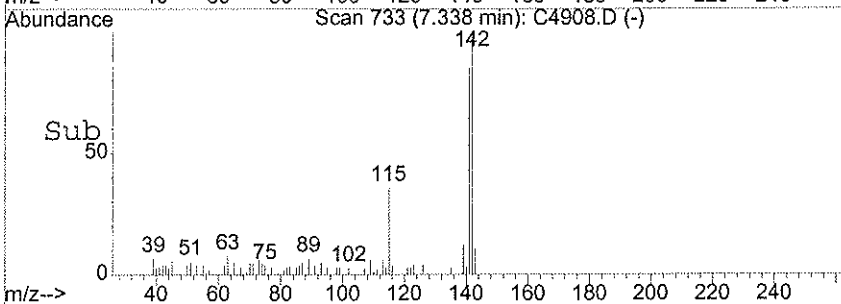
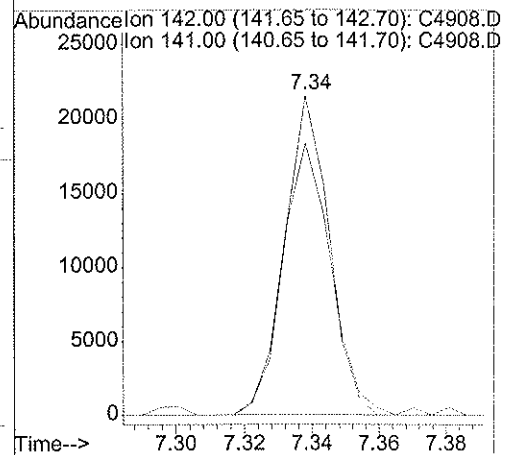
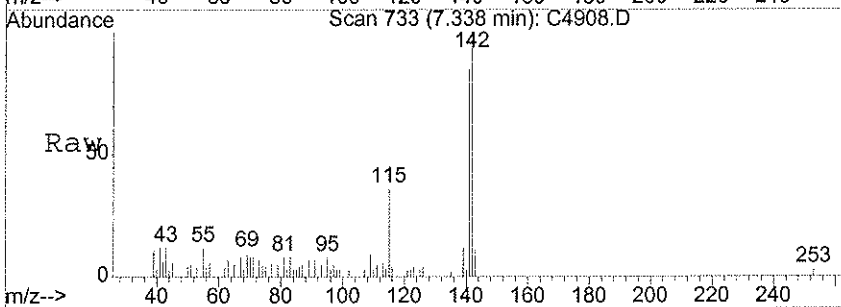
#29  
 Naphthalene  
 Concen: 1.23 ug/ml  
 RT: 6.67 min Scan# 608  
 Delta R.T. -0.03 min  
 Lab File: C4908.D  
 Acq: 28 Sep 2011 4:43 pm

Tgt Ion	Resp	Lower	Upper
128	40883		
129	11.4	8.8	13.2

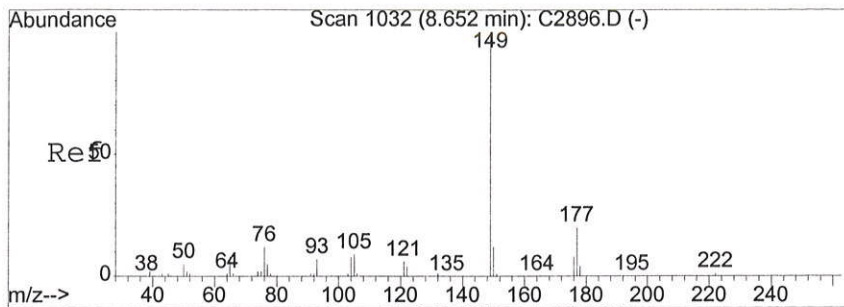


#33  
 2-Methylnaphthalene  
 Concen: 0.86 ug/ml  
 RT: 7.34 min Scan# 733  
 Delta R.T. -0.04 min  
 Lab File: C4908.D  
 Acq: 28 Sep 2011 4:43 pm

Tgt Ion	Resp	Lower	Upper
142	19730		
141	85.2	68.4	102.6

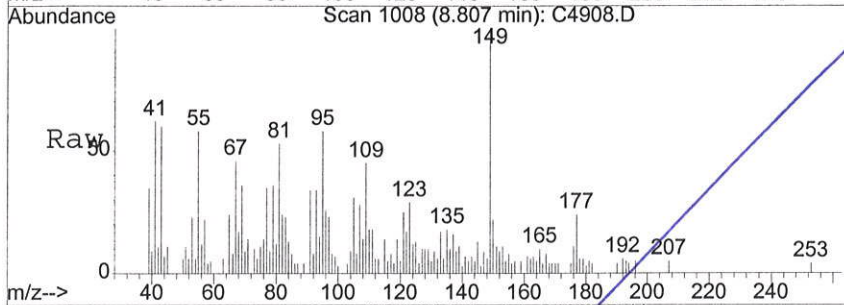




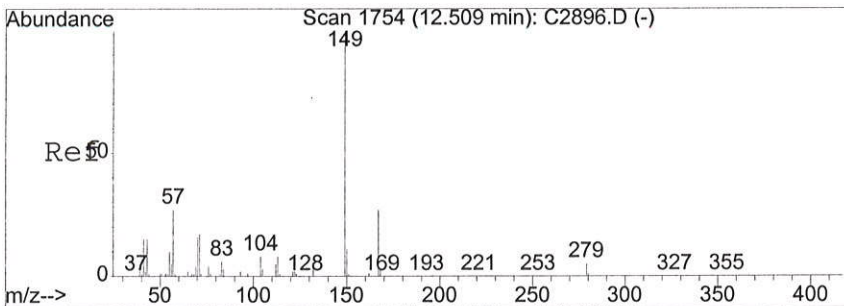
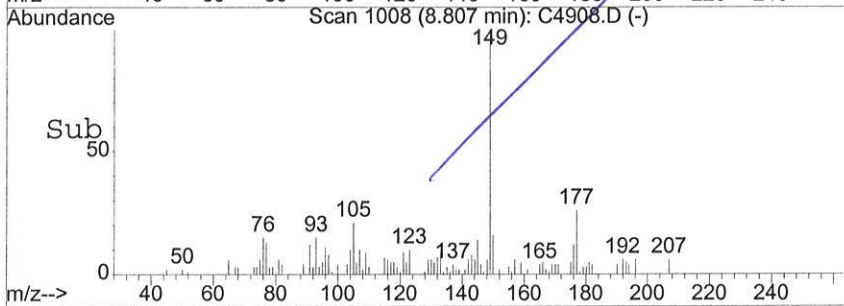
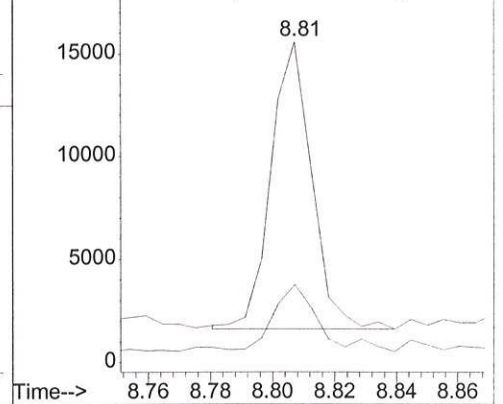


#51  
 Diethylphthalate  
 Concen: 0.49 ug/ml  
 RT: 8.81 min Scan# 1008  
 Delta R.T. -0.05 min  
 Lab File: C4908.D  
 Acq: 28 Sep 2011 4:43 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.1	16.2	24.4

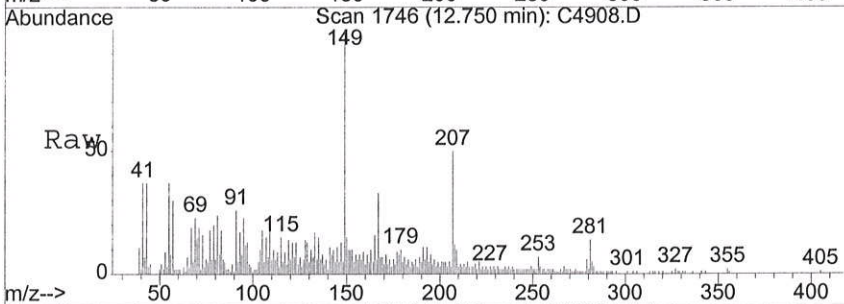


Abundance Ion 149.00 (148.65 to 149.70): C4908.D  
 Ion 177.00 (176.65 to 177.70): C4908.D

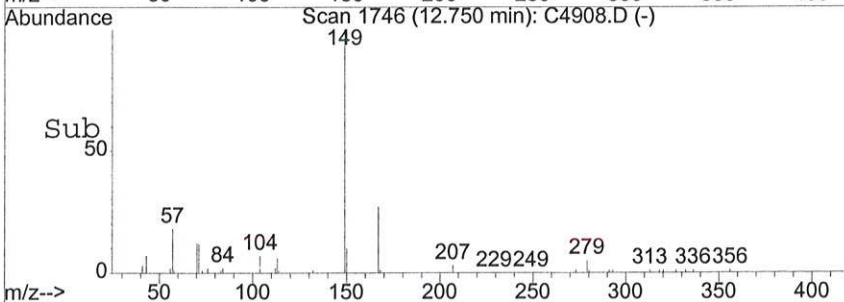
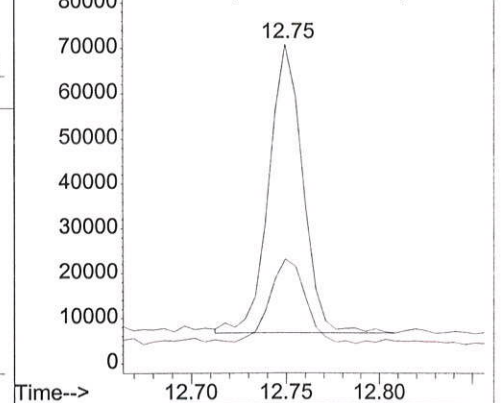


#74  
 bis(2-Ethylhexyl)phthalate  
 Concen: 1.97 ug/ml  
 RT: 12.75 min Scan# 1746  
 Delta R.T. -0.08 min  
 Lab File: C4908.D  
 Acq: 28 Sep 2011 4:43 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.7	23.4	35.2



Abundance Ion 149.00 (148.65 to 149.70): C4908.D  
 Ion 167.00 (166.65 to 167.70): C4908.D



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD DUP (SVOC)

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-12Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4909Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-82-1	1,2,4-Trichlorobenzene	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
99-09-2	3-Nitroaniline	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
62-53-3	Aniline	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD DUP (SVOC)

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-12Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4909Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
120-12-7	Anthracene	ND	U
92-87-5	Benzidine	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
65-85-0	Benzoic acid	ND	U
100-51-6	Benzyl alcohol	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-74-8	Carbazole	ND	U
218-01-9	Chrysene	ND	U
	Cresols	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
84-66-2	Diethyl phthalate	ND	U
131-11-3	Dimethyl phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
118-74-1	Hexachlorobenzene	ND	U
87-68-3	Hexachlorobutadiene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
91-20-3	Naphthalene	ND	U
98-95-3	Nitrobenzene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FIELD DUP (SVOC)

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1109409-12Sample wt/vol: 900 (g/mL) mLLab File ID: C2743-4909Level: (Low/Med) LowDate Received: 09/22/11% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
110-86-1	Pyridine	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U

Data File : U:\DATA\C\C2743\C4909.D Vial: 8  
 Acq On : 28 Sep 2011 5:12 pm Operator: ALR  
 Sample : 1109409-12 Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 29 8:30 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I	5.43	152	308363	40.00	ug/ml	-0.04
19) Naphthalene-d8 (IS)	6.65	136	1248701	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	752344	40.00	ug/ml	-0.05
55) Phenanthrene-d10 (IS)	9.94	188	1181083	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.95	240	1113218	40.00	ug/ml	-0.10
77) Perylene-d12 (IS)	15.94	264	955829	40.00	ug/ml	-0.19

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.36	112	528292	51.39	ug/ml	-0.03
Spiked Amount 200.000	Range 21 - 110		Recovery =	25.70%		
5) Phenol-d6 (surr)	5.06	99	426286	33.84	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	16.92%		
20) Nitrobenzene-d5 (surr)	5.96	82	513991	47.63	ug/ml	-0.04
Spiked Amount 100.000	Range 35 - 114		Recovery =	47.63%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1331901	58.23	ug/ml	-0.05
Spiked Amount 100.000	Range 43 - 116		Recovery =	58.23%		
59) 2,4,6-Tribromophenol (sur	9.24	330	369131	169.11	ug/ml	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	84.56%		
71) Terphenyl-d14 (surr)	11.53	244	1830510	85.94	ug/ml	-0.06
Spiked Amount 100.000	Range 33 - 141		Recovery =	85.94%		

Target Compounds

					Qvalue
<del>51) Diethylphthalate</del>	<del>8.81</del>	<del>149</del>	<del>17775</del>	<del>0.68</del>	<del>97</del>
<del>74) bis(2-Ethylhexyl)phthalate</del>	<del>12.73</del>	<del>149</del>	<del>32943</del>	<del>0.89</del>	<del>99</del>

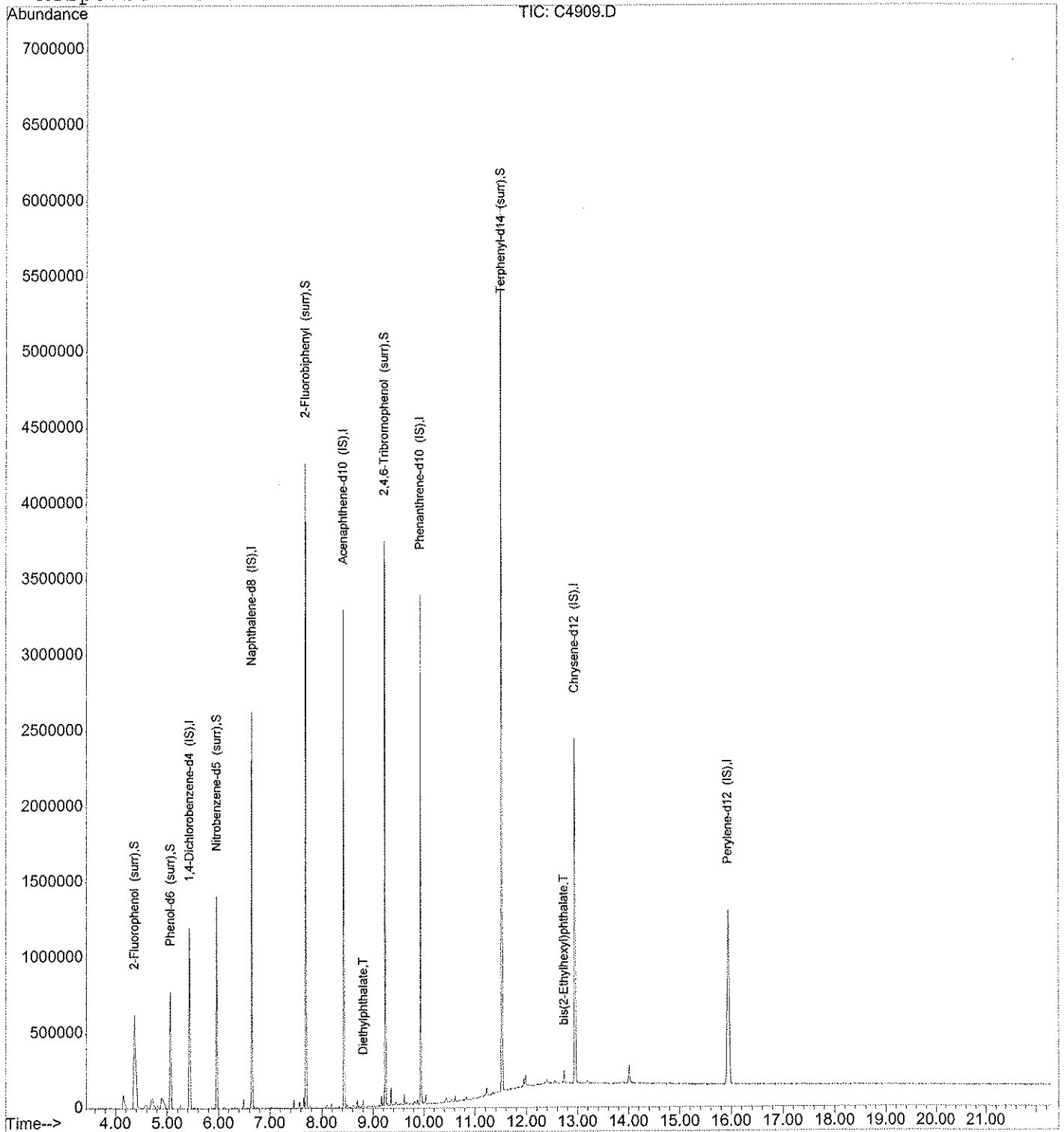
Quantitation Report

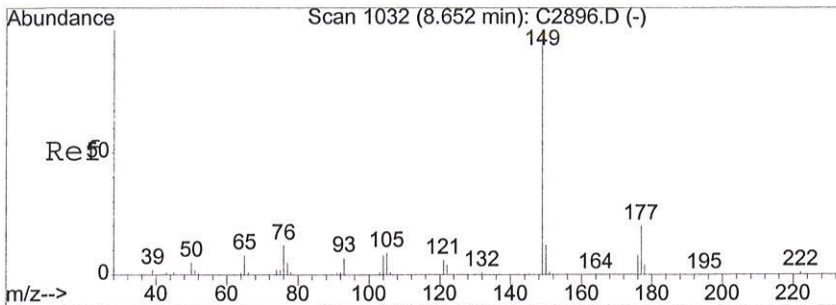
Data File : U:\DATA\C\C2743\C4909.D  
Acq On : 28 Sep 2011 5:12 pm  
Sample : 1109409-12  
Misc : 09/28/11 ;1;L;900;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 29 8:30 2011

Vial: 8  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

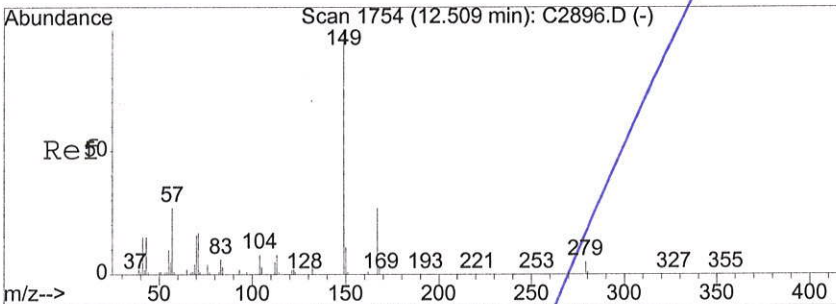
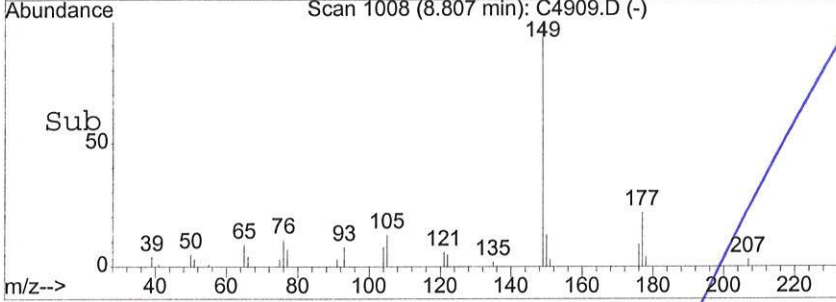
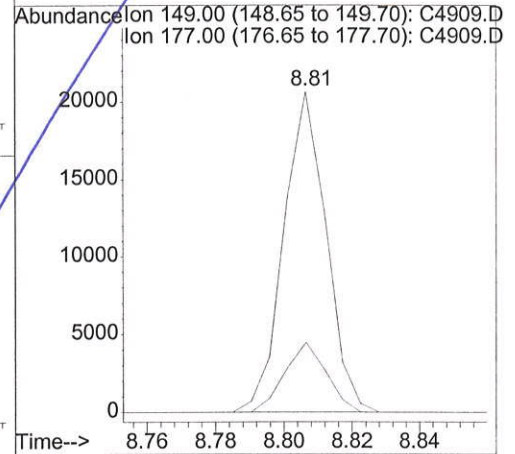
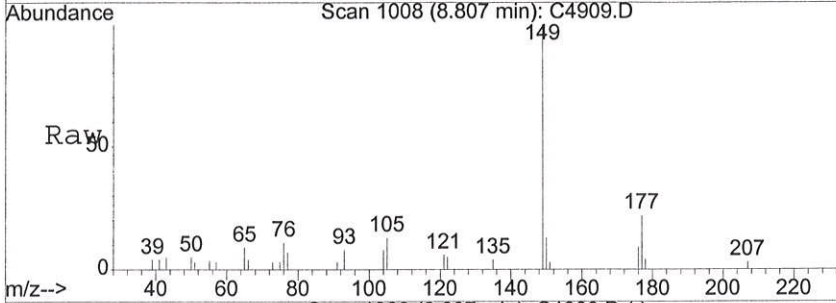
Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration





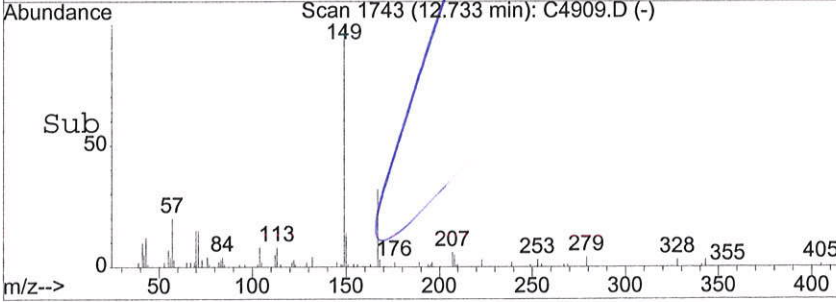
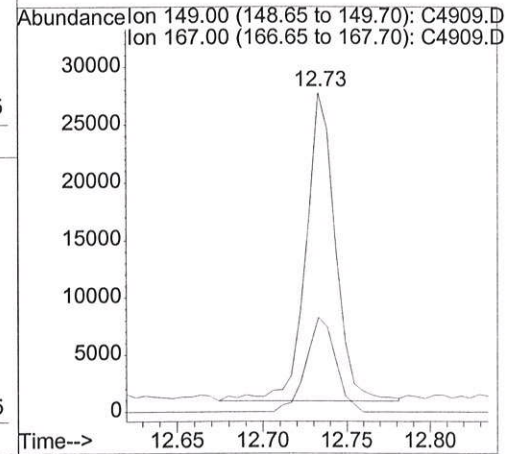
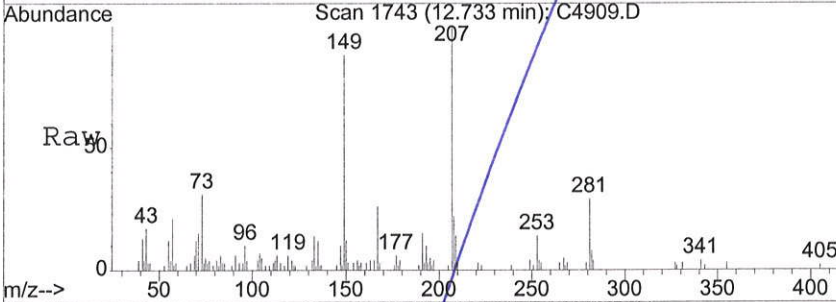
#51  
 Diethylphthalate  
 Concen: 0.68 ug/ml  
 RT: 8.81 min Scan# 1008  
 Delta R.T. -0.05 min  
 Lab File: C4909.D  
 Acq: 28 Sep 2011 5:12 pm

Tgt Ion	Resp	Lower	Upper
149	17775		
177	21.6	16.2	24.4



#74  
 bis(2-Ethylhexyl)phthalate  
 Concen: 0.89 ug/ml  
 RT: 12.73 min Scan# 1743  
 Delta R.T. -0.09 min  
 Lab File: C4909.D  
 Acq: 28 Sep 2011 5:12 pm

Tgt Ion	Resp	Lower	Upper
149	32943		
167	29.7	23.4	35.2



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Standards Data**

*Environmental Quality Services, Inc.*



## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2732Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Calibration End Date: 9/9/11 2:09:00 PM

ID	ANALYTE	Sample Type	File ID: C4766 RRF5	File ID: C4767 RRF10	File ID: C4768 RRF20	File ID: C4769 RRF0	File ID: C4770 RRF80	RRF	% RSD
1	1,4 Dichlorobenzene-d4	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
2	n-Nitrosodimethylamine	T	0.6188	0.5834	0.6062	0.5868	0.5939	0.5978	2.44
3	Pyridine	T	1.5579	1.5551	1.6472	1.6128	1.6180	1.5982	2.51
4	2-Fluorophenol	S	1.2893	1.2853	1.3783	1.3521	1.3628	1.3335	3.24
5	Phenol-d6	S	1.5913	1.5791	1.6915	1.6535	1.6553	1.6341	2.89
6	Phenol	C	1.8358	1.7888	1.9085	1.8521	1.8394	1.8449	2.32 *
7	Aniline	T	0.7826	0.7439	0.8023	0.7904	0.7726	0.7783	2.84
8	bis(2-chloroethyl)ether	T	1.0913	1.0611	1.1373	1.0928	1.0874	1.0939	2.50
9	2-Chlorophenol	M	1.4555	1.4507	1.5236	1.4876	1.4765	1.4787	1.97
10	1,3-Dichlorobenzene	T	1.6521	1.7146	1.7003	1.6900	1.6394	1.6792	1.91
11	1,4-Dichlorobenzene	C	1.6498	1.5598	1.7593	1.6114	1.6606	1.6481	4.46 *
12	Benzyl alcohol	T	0.9660	0.9552	1.0220	1.0028	1.0065	0.9905	2.87
13	1,2-Dichlorobenzene	M	1.5842	1.5374	1.6085	1.5522	1.5257	1.5616	2.18
14	2-Methylphenol(o-Cresol)	T	1.4053	1.4119	1.4590	1.4397	1.4255	1.4282	1.51
15	bis(2-chloroisopropyl)ether	T	1.9523	1.8662	1.9534	1.8694	1.8238	1.8930	3.03
16	3+4-Methylphenol(m,p-Cresol)	T	1.4775	1.4401	1.5326	1.4957	1.5018	1.4895	2.28
17	Di-n-propylnitrosamine	P	0.9437	0.8888	0.9383	0.9417	0.9375	0.9300	2.49 *
18	Hexachloroethane	T	0.6381	0.6321	0.6567	0.6430	0.6455	0.6430	1.42
19	Naphthalene-d8	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
20	Nitrobenzene-d5	S	0.3373	0.3296	0.3609	0.3505	0.3499	0.3456	3.54
21	Nitrobenzene	T	0.1778	0.1742	0.1867	0.1815	0.1800	0.1800	2.56
22	Isophorone	M	0.6415	0.6321	0.6787	0.6553	0.6547	0.6524	2.69
23	2-Nitrophenol	C	0.1925	0.1889	0.2038	0.1971	0.1975	0.1959	2.87 *
24	2,4-Dimethylphenol	T	0.3266	0.3170	0.3405	0.3203	0.3200	0.3248	2.89
25	Benzoic acid	T	0.2387	0.2625	0.2798	0.2785	0.2777	0.2674	6.55
26	bis(2-chloroethoxy)methane	T	0.4485	0.4405	0.4693	0.4536	0.4454	0.4514	2.44
27	2,4-Dichlorophenol	C	0.2772	0.2703	0.2848	0.2791	0.2767	0.2776	1.87 *
28	1,2,4-Trichlorobenzene	M	0.2797	0.2716	0.2859	0.2810	0.2796	0.2795	1.83
29	Naphthalene	M	1.0995	1.0492	1.1117	1.0755	1.0594	1.0790	2.44
30	4-Chloroaniline	T	0.4341	0.4188	0.4433	0.4384	0.4321	0.4333	2.12
31	Hexachlorobutadiene	C	0.1389	0.1310	0.1412	0.1338	0.1337	0.1357	3.08 *

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

00100

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2732Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Calibration End Date: 9/9/11 2:09:00 PM

ID	ANALYTE	Sample Type	File ID: C4766 RRF5	File ID: C4767 RRF10	File ID: C4768 RRF20	File ID: C4769 RRF0	File ID: C4770 RRF80	RRF	% RSD
32	4-Chloro-3-methylphenol	C	0.2929	0.2897	0.3115	0.3083	0.3115	0.3027	3.50 *
33	2-Methylnaphthalene	M	0.7438	0.7267	0.7679	0.7390	0.7307	0.7416	2.17
34	Acenaphthene-d10	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
35	Hexachlorocyclopentadiene	P	0.1953	0.2065	0.2306	0.2260	0.2328	0.2182	7.56 *
36	2,4,6-Trichlorophenol	C	0.2946	0.3020	0.3142	0.3063	0.3105	0.3055	2.49 *
37	2,4,5-Trichlorophenol	T	0.3268	0.3301	0.3509	0.3376	0.3422	0.3375	2.85
38	2-Fluorobiphenyl	S	1.1955	1.1719	1.2661	1.2168	1.2299	1.2160	2.92
39	2-Chloronaphthalene	T	1.1015	1.0764	1.1287	1.1002	1.1054	1.1024	1.68
40	2-Nitroaniline	T	0.3251	0.3188	0.3422	0.3402	0.3378	0.3328	3.09
41	Dimethyl phthalate	T	1.3035	1.2835	1.3553	1.2925	1.3023	1.3074	2.13
42	2,6-Dinitrotoluene	T	0.2746	0.2748	0.3005	0.2924	0.2955	0.2875	4.20
43	Acenaphthylene	M	1.8700	1.8343	1.9364	1.8624	1.8626	1.8731	2.02
44	3-Nitroaniline	T	0.3160	0.3167	0.3340	0.3396	0.3440	0.3300	3.94
45	Acenaphthene	C	1.3126	1.3268	1.3374	1.2216	1.1713	1.2739	5.76 *
46	2,4-Dinitrophenol	P	0.0929	0.1094	0.1309	0.1396	0.1490	0.1243	18.40 *
47	4-Nitrophenol	P	0.2095	0.2187	0.2327	0.2318	0.2345	0.2254	4.83 *
48	2,4-Dinitrotoluene	M	0.3654	0.3569	0.3908	0.3820	0.3873	0.3764	3.89
49	Dibenzofuran	M	1.5965	1.5589	1.6373	1.5756	1.5670	1.5870	1.97
50	2,3,4,6-Tetrachlorophenol	T	0.1985	0.2047	0.2149	0.0000	0.0000	0.2060	4.01
51	Diethyl phthalate	T	1.3788	1.3601	1.4292	1.3725	1.3824	1.3846	1.90
52	Fluorene	T	1.2906	1.2660	1.3193	1.2707	1.2672	1.2827	1.77
53	4-Chlorophenylphenyl ether	T	0.5453	0.5204	0.5439	0.5280	0.5326	0.5340	1.98
54	4-Nitroaniline	T	0.3011	0.3000	0.3236	0.3256	0.3300	0.3160	4.54
55	Phenanthrene-d10	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
56	4,6-Dinitro-o-cresol	T	0.0998	0.1111	0.1220	0.1279	0.1337	0.1189	11.40
57	Diphenylnitrosamine	C	0.6476	0.6280	0.6491	0.6307	0.6193	0.6349	2.04 *
58	1,2-Diphenylhydrazine	T	1.0081	1.0005	1.0477	1.0075	0.9805	1.0088	2.42
59	2,4,6-Tribromophenol	S	0.0696	0.0704	0.0777	0.0763	0.0756	0.0739	4.96
60	4-Bromophenylphenyl ether	T	0.1792	0.1765	0.1848	0.1792	0.1792	0.1797	1.69
61	Hexachlorobenzene	T	0.1727	0.1719	0.1766	0.1727	0.1705	0.1728	1.31
62	Pentachlorophenol	C	0.1054	0.1115	0.1195	0.1175	0.1212	0.1150	5.65 *

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2732Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Calibration End Date: 9/9/11 2:09:00 PM

ID	ANALYTE	Sample Type	File ID: C4766 RRF5	File ID: C4767 RRF10	File ID: C4768 RRF20	File ID: C4769 RRF0	File ID: C4770 RRF80	RRF	% RSD
63	Phenanthrene	T	1.2219	1.1783	1.2264	1.1913	1.1824	1.2000	1.87
64	Anthracene	T	1.2567	1.2284	1.2884	1.2364	1.2302	1.2480	2.02
65	Carbazole	T	1.0370	0.8987	0.9150	1.0086	1.0515	0.9821	7.19
66	Di-n-butyl phthalate	T	1.7578	1.7373	1.8520	1.7954	1.7849	1.7854	2.44
67	Fluoranthene	C	1.2078	1.1964	1.2379	1.2035	1.1942	1.2079	1.45 *
68	Chrysene-d12	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
69	Benzidine	T	0.5736	0.5593	0.5406	0.4868	0.3553	0.5031	17.67
70	Pyrene	M	1.4364	1.3845	1.4305	1.3990	1.3910	1.4082	1.67
71	Terphenyl-d14	S	0.7603	0.7387	0.7904	0.7721	0.7654	0.7653	2.45
72	Butyl benzyl phthalate	T	0.8709	0.8695	0.9150	0.9044	0.9073	0.8934	2.41
73	3,3'-Dichlorobenzidine	T	0.2609	0.2442	0.2568	0.3247	0.3586	0.2890	17.25
74	bis(2-Ethylhexyl)phthalate	T	1.2609	1.2924	1.3840	1.3686	1.3739	1.3359	4.15
75	Benzo[a]anthracene	T	1.2232	1.1881	1.2367	1.1928	1.1888	1.2059	1.86
76	Chrysene	T	1.1668	1.1505	1.1768	1.1408	1.1362	1.1542	1.49
77	Perylene-d12	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
78	Di-n-octyl phthalate	C	2.3943	2.4333	2.6770	2.6723	2.7437	2.5841	6.13 *
79	3,4-Benzofluoranthene	T	1.2557	1.1984	1.3104	1.2861	1.3284	1.2758	4.00
80	Benzo[k]fluoranthene	T	1.2417	1.1887	1.2983	1.2521	1.1902	1.2342	3.73
81	Benzo[a]pyrene	C	1.1412	1.1405	1.2325	1.2056	1.2038	1.1847	3.51 *
82	Indeno[1,2,3-cd]pyrene	T	1.0615	1.1361	1.2313	1.2534	1.2478	1.1860	7.10
83	Dibenzo[a,h]anthracene	T	0.8650	0.9354	1.0147	1.0348	1.0350	0.9769	7.65
84	Benzo[g,h,i]perylene	T	0.8282	0.8968	0.9679	1.0037	0.9963	0.9385	7.96
85	Cresol (total)	G	1.4414	1.4260	1.4958	1.4677	1.4637	1.4589	1.82

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

M = Matrix Spike Compound

G = Analytical Group

S = Surrogate Standard

I = Internal Standard

P = System Performance Check Compound

C = Calibration Check Compound

Response Factor Report GC/MS Ins

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:36:52 2011  
 Response via : Initial Calibration

Calibration Files

80 =C4770.D ✓ 40 =C4769.D ✓ 20 =C4768.D ✓  
 10 =C4767.D ✓ 5 =C4766.D ✓

Compound	80	40	20	10	5	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	-----ISTD-----						
2) T N-Nitrosodimethylamin	0.594	0.587	0.606	0.583	0.619	0.598	2.45
3) T Pyridine	1.618	1.613	1.647	1.555	1.558	1.598	2.52
4) S 2-Fluorophenol (surr	1.363	1.352	1.378	1.285	1.289	1.334	3.24
5) S Phenol-d6 (surr)	1.655	1.654	1.691	1.579	1.591	1.634	2.90
6) CMT Phenol	1.839	1.852	1.909	1.789	1.836	1.845	2.33
7) T Aniline	0.773	0.790	0.802	0.744	0.783	0.778	2.84
8) T bis(2-Chloroethyl)eth	1.087	1.093	1.137	1.061	1.091	1.094	2.51
9) MT 2-Chlorophenol	1.476	1.488	1.524	1.451	1.456	1.479	1.98
10) T 1,3-Dichlorobenzene	1.639	1.690	1.700	1.715	1.652	1.679	1.91
11) CMT 1,4-Dichlorobenzene	1.661	1.611	1.759	1.560	1.650	1.648	4.47
12) T Benzyl alcohol	1.007	1.003	1.022	0.955	0.966	0.990	2.88
13) T 1,2-Dichlorobenzene	1.526	1.552	1.608	1.537	1.584	1.562	2.19
14) T 2-Methylphenol	1.425	1.440	1.459	1.412	1.405	1.428	1.52
15) T bis(2-Chloroisopropyl	1.824	1.869	1.953	1.866	1.952	1.893	3.04
16) T 4-Methylphenol	1.502	1.496	1.533	1.440	1.478	1.490	2.28
17) PMT N-Nitrosodi-n-propyla	0.937	0.942	0.938	0.889	0.944	0.930	2.49
18) T Hexachloroethane	0.646	0.643	0.657	0.632	0.638	0.643	1.43
19) I Naphthalene-d8 (IS)	-----ISTD-----						
20) S Nitrobenzene-d5 (sur	0.350	0.351	0.361	0.330	0.337	0.346	3.55
21) T Nitrobenzene	0.180	0.182	0.187	0.174	0.178	0.180	2.57
22) T Isophorone	0.655	0.655	0.679	0.632	0.641	0.652	2.69
23) CT 2-Nitrophenol	0.198	0.197	0.204	0.189	0.192	0.196	2.88
24) T 2,4-Dimethylphenol	0.320	0.320	0.340	0.317	0.327	0.325	2.90
25) T Benzoic acid	0.278	0.279	0.280	0.262	0.239	0.267	6.56
26) T bis(2-Chloroethoxy)me	0.445	0.454	0.469	0.441	0.448	0.451	2.45
27) CT 2,4-Dichlorophenol	0.277	0.279	0.285	0.270	0.277	0.278	1.87
28) MT 1,2,4-Trichlorobenzen	0.280	0.281	0.286	0.272	0.280	0.280	1.83
29) T Naphthalene	1.059	1.075	1.112	1.049	1.099	1.079	2.44
30) T 4-Chloroaniline	0.432	0.438	0.443	0.419	0.434	0.433	2.12
31) CT Hexachlorobutadiene	0.134	0.134	0.141	0.131	0.139	0.136	3.10
32) CMT 4-Chloro-3-methylphen	0.312	0.308	0.311	0.290	0.293	0.303	3.51
33) T 2-Methylnaphthalene	0.731	0.739	0.768	0.727	0.744	0.742	2.18
34) I Acenaphthene-d10 (IS	-----ISTD-----						
35) PT Hexachlorocyclopentad	0.233	0.226	0.231	0.207	0.195	0.218	7.55
36) CT 2,4,6-Trichlorophenol	0.311	0.306	0.314	0.302	0.295	0.306	2.49
37) T 2,4,5-Trichlorophenol	0.342	0.338	0.351	0.330	0.327	0.338	2.86
38) S 2-Fluorobiphenyl (su	1.230	1.217	1.266	1.172	1.195	1.216	2.93
39) T 2-Chloronaphthalene	1.105	1.100	1.129	1.076	1.101	1.102	1.69
40) T 2-Nitroaniline	0.338	0.340	0.342	0.319	0.325	0.333	3.10
41) T Dimethylphthalate	1.302	1.293	1.355	1.283	1.303	1.307	2.14

(#) = Out of Range

Response Factor Report GC/MS Ins

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:36:52 2011  
 Response via : Initial Calibration

Calibration Files

80 =C4770.D 40 =C4769.D 20 =C4768.D  
 10 =C4767.D 5 =C4766.D

Compound		80	40	20	10	5	Avg	%RSD
42) T	2,6-Dinitrotoluene	0.295	0.292	0.300	0.275	0.275	0.288	4.20
43) T	Acenaphthylene	1.863	1.862	1.936	1.834	1.870	1.873	2.02
44) T	3-Nitroaniline	0.344	0.340	0.334	0.317	0.316	0.330	3.94
45) CMT	Acenaphthene	1.171	1.222	1.337	1.327	1.313	1.274	5.77
46) PT	2,4-Dinitrophenol	0.149	0.140	0.131	0.114	0.093	0.125	17.68 0.996
47) PMT	4-Nitrophenol	0.235	0.232	0.233	0.219	0.209	0.225	4.84
48) MT	2,4-Dinitrotoluene	0.387	0.382	0.391	0.357	0.365	0.376	3.90
49) T	Dibenzofuran	1.567	1.576	1.637	1.559	1.596	1.587	1.98
50) T	2,3,4,6-Tetrachloroph			0.215	0.205	0.198	0.206	4.02
51) T	Diethylphthalate	1.382	1.373	1.429	1.360	1.379	1.385	1.90
52) T	Fluorene	1.267	1.271	1.319	1.266	1.291	1.283	1.77
53) T	4-Chlorophenyl phenyl	0.533	0.528	0.544	0.520	0.545	0.534	1.98
54) T	4-Nitroaniline	0.330	0.326	0.324	0.300	0.301	0.316	4.54
55) I	Phenanthrene-d10 (IS	-----ISTD-----						
56) T	4,6-Dinitro-2-methylp	0.134	0.128	0.122	0.111	0.100	0.119	11.42
57) CT	N-Nitrosodiphenylamin	0.619	0.631	0.649	0.628	0.648	0.635	2.04
58) T	1,2-Diphenylhydrazine	0.981	1.008	1.048	1.001	1.008	1.009	2.42
59) S	2,4,6-Tribromophenol	0.076	0.076	0.078	0.070	0.070	0.074	4.99
60) T	4-Bromophenyl phenyl	0.179	0.179	0.185	0.177	0.179	0.180	1.68
61) T	Hexachlorobenzene	0.170	0.173	0.177	0.172	0.173	0.173	1.31
62) CMT	Pentachlorophenol	0.121	0.117	0.120	0.111	0.105	0.115	5.65
63) T	Phenanthrene	1.182	1.191	1.226	1.178	1.222	1.200	1.88
64) T	Anthracene	1.230	1.236	1.288	1.228	1.257	1.248	2.02
65) T	Carbazole	1.051	1.009	0.915	0.899	1.037	0.982	7.20
66) T	Di-n-butylphthalate	1.785	1.795	1.852	1.737	1.758	1.785	2.44
67) CT	Fluoranthene	1.194	1.203	1.238	1.196	1.208	1.208	1.46
68) I	Chrysene-d12 (IS)	-----ISTD-----						
69) T	Benzidine	0.413	0.487	0.541	0.559	0.574	0.515	12.76
70) MT	Pyrene	1.391	1.399	1.430	1.384	1.436	1.408	1.68
71) S	Terphenyl-d14 (surr)	0.765	0.772	0.790	0.739	0.760	0.765	2.45
72) T	Butylbenzylphthalate	0.907	0.904	0.915	0.869	0.871	0.893	2.41
73) T	3,3'-Dichlorobenzidin	0.359	0.325	0.257	0.244	0.261	0.289	17.27
74) T	bis(2-Ethylhexyl)phth	1.374	1.369	1.384	1.292	1.261	1.336	4.16
75) T	Benzo(a)anthracene	1.189	1.193	1.237	1.188	1.223	1.206	1.87
76) T	Chrysene	1.136	1.141	1.177	1.150	1.167	1.154	1.49
77) I	Perylene-d12 (IS)	-----ISTD-----						
78) CT	Di-n-octylphthalate	2.744	2.672	2.677	2.433	2.394	2.584	6.14
79) T	Benzo(b)fluoranthene	1.328	1.286	1.310	1.198	1.256	1.276	4.01
80) T	Benzo(k)fluoranthene	1.190	1.252	1.298	1.189	1.242	1.234	3.73
81) CT	Benzo(a)pyrene	1.204	1.206	1.233	1.140	1.141	1.185	3.51
82) T	Indeno(1,2,3-cd)pyren	1.248	1.253	1.231	1.136	1.061	1.186	7.11

(#) = Out of Range

Response Factor Report GC/MS Ins

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:36:52 2011  
 Response via : Initial Calibration

Calibration Files

80	=C4770.D	40	=C4769.D	20	=C4768.D
10	=C4767.D	5	=C4766.D		

Compound		80	40	20	10	5	Avg	%RSD
83) T	Dibenz(a,h)anthracene	1.035	1.035	1.015	0.935	0.865	0.977	7.66
84) T	Benzo(g,h,i)perylene	0.996	1.004	0.968	0.897	0.828	0.939	7.97

Data File : U:\DATA\C\C2732\C4766.D  
 Acq On : 9 Sep 2011 12:10 pm  
 Sample : SST005  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 12:50 2011

Vial: 4  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A  
 Last Update : Tue Sep 06 13:28:12 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I	5.47	152	242847	40.00	ug/ml	0.11
19) Naphthalene-d8 (IS)	6.69	136	980646	40.00	ug/ml	0.12
34) Acenaphthene-d10 (IS)	8.47	164	550821	40.00	ug/ml	0.12
55) Phenanthrene-d10 (IS)	9.99	188	801983	40.00	ug/ml	0.13
68) Chrysene-d12 (IS)	13.05	240	710034	40.00	ug/ml	0.20
77) Perylene-d12 (IS)	16.14	264	615850	40.00	ug/ml	0.36

## System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.39	112	313106	42.79	ug/ml	0.10
Spiked Amount 200.000	Range 21 - 110		Recovery =	21.40%		
5) Phenol-d6 (surr)	5.09	99	386447	41.60	ug/ml	0.09
Spiked Amount 200.000	Range 10 - 110		Recovery =	20.80%		
20) Nitrobenzene-d5 (surr)	6.00	82	165400	21.78	ug/ml	0.11
Spiked Amount 100.000	Range 35 - 114		Recovery =	21.78%#		
38) 2-Fluorobiphenyl (surr)	7.74	172	329253	19.47	ug/ml	0.11
Spiked Amount 100.000	Range 43 - 116		Recovery =	19.47%#		
59) 2,4,6-Tribromophenol (sur	9.29	330	55813	42.07	ug/ml	0.12
Spiked Amount 200.000	Range 10 - 123		Recovery =	21.04%		
71) Terphenyl-d14 (surr)	11.59	244	269919	20.47	ug/ml	0.14
Spiked Amount 100.000	Range 33 - 141		Recovery =	20.47%#		

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.55	42	18783	8.89	ug/ml#	60
3) Pyridine	3.58	79	47291	5.67	ug/ml	88
6) Phenol	5.10	94	55728	5.39	ug/ml	88
7) Aniline	5.20	66	23755	5.60	ug/ml	91
8) bis(2-Chloroethyl) ether	5.21	63	33128	5.72	ug/ml	91
9) 2-Chlorophenol	5.31	128	44184	5.48	ug/ml	98
10) 1,3-Dichlorobenzene	5.45	146	50151	5.20	ug/ml	100
11) 1,4-Dichlorobenzene	5.48	146	50082	5.19	ug/ml	95
12) Benzyl alcohol	5.57	108	29325	5.40	ug/ml	98
13) 1,2-Dichlorobenzene	5.66	146	48090	5.40	ug/ml	97
14) 2-Methylphenol	5.64	108	42660	5.31	ug/ml	96
15) bis(2-Chloroisopropyl) ethe	5.69	45	59265	6.05	ug/ml	92
16) 4-Methylphenol	5.77	108	44851	5.47	ug/ml	96
17) N-Nitrosodi-n-propylamine	5.82	70	28648	6.17	ug/ml#	86
18) Hexachloroethane	5.95	117	19370	5.52	ug/ml	97
21) Nitrobenzene	6.02	123	21798	5.24	ug/ml	79
22) Isophorone	6.21	82	78635	5.59	ug/ml	98
23) 2-Nitrophenol	6.32	139	23593	7.49	ug/ml	96
24) 2,4-Dimethylphenol	6.28	122	40037	5.15	ug/ml	93
25) Benzoic acid	6.34	105	117052	495.74	ug/ml	92

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

Data File : U:\DATA\C\C2732\C4766.D  
 Acq On : 9 Sep 2011 12:10 pm  
 Sample : SSTD005  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 12:50 2011

Vial: 4  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Tue Sep 06 13:28:12 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.38	93	54976	5.50	ug/ml	100
27) 2,4-Dichlorophenol	6.53	162	33976	5.33	ug/ml	97
28) 1,2,4-Trichlorobenzene	6.63	180	34290	5.06	ug/ml	98
29) Naphthalene	6.71	128	134775	5.36	ug/ml	99
30) 4-Chloroaniline	6.74	127	53208	5.42	ug/ml	99
31) Hexachlorobutadiene	6.85	225	17031	5.39	ug/ml	98
32) 4-Chloro-3-methylphenol	7.17	107	35899	5.37	ug/ml	99
33) 2-Methylnaphthalene	7.38	142	91180	5.16	ug/ml	97
35) Hexachlorocyclopentadiene	7.59	237	53800	20.05	ug/ml	99
36) 2,4,6-Trichlorophenol	7.67	196	20287	5.58	ug/ml	99
37) 2,4,5-Trichlorophenol	7.72	196	22499	5.45	ug/ml	99
39) 2-Chloronaphthalene	7.88	162	75841	5.24	ug/ml	99
40) 2-Nitroaniline	8.00	65	22387	5.70	ug/ml	80
41) Dimethylphthalate	8.15	163	89748	5.45	ug/ml	100
42) 2,6-Dinitrotoluene	8.26	165	18906	5.26	ug/ml	91
43) Acenaphthylene	8.33	152	128752	5.28	ug/ml	100
44) 3-Nitroaniline	8.42	138	21755	5.67	ug/ml	82
45) Acenaphthene	8.51	154	90374	5.96	ug/ml	91
46) 2,4-Dinitrophenol	8.51	184	25595	45.97	ug/ml#	62
47) 4-Nitrophenol	8.52	65	57694	26.36	ug/ml#	87
48) 2,4-Dinitrotoluene	8.66	165	25159	5.07	ug/ml	97
49) Dibenzofuran	8.66	168	109921	5.15	ug/ml	93
50) 2,3,4,6-Tetrachlorophenol	8.82	232	13667	8.10	ug/ml#	66
51) Diethylphthalate	8.85	149	94933	5.50	ug/ml	96
52) Fluorene	9.01	166	88863	5.25	ug/ml	100
53) 4-Chlorophenyl phenyl ethe	8.97	204	37548	5.31	ug/ml	99
54) 4-Nitroaniline	9.05	138	20732	5.69	ug/ml	81
56) 4,6-Dinitro-2-methylphenol	9.08	198	40010	35.70	ug/ml#	78
57) N-Nitrosodiphenylamine	9.09	169	64918	5.41	ug/ml	97
58) 1,2-Diphenylhydrazine	9.13	77	101057	5.99	ug/ml	94
60) 4-Bromophenyl phenyl ether	9.47	248	17964	4.99	ug/ml	99
61) Hexachlorobenzene	9.67	284	17309	4.86	ug/ml#	89
62) Pentachlorophenol	9.84	266	42264	55.60	ug/ml	98
63) Phenanthrene	10.01	178	122492	5.34	ug/ml	98
64) Anthracene	10.06	178	125986	5.29	ug/ml	99
65) Carbazole	10.21	167	103956	6.27	ug/ml	96
66) Di-n-butylphthalate	10.48	149	176212	5.40	ug/ml	99
67) Fluoranthene	11.25	202	121079	5.29	ug/ml#	77
69) Benzidine	11.34	184	203635	19.23	ug/ml#	90
70) Pyrene	11.50	202	127487	5.41	ug/ml	94
72) Butylbenzylphthalate	12.11	149	77294	5.40	ug/ml	98

(#) = qualifier out of range (m) = manual integration  
 C4766.D C\_8270A.M Fri Sep 09 14:49:52 2011



Data File : U:\DATA\C\C2732\C4766.D  
 Acq On : 9 Sep 2011 12:10 pm  
 Sample : SSTD005  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 12:50 2011

Vial: 4  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Tue Sep 06 13:28:12 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.92	252	23152	5.38	ug/ml	99
74) bis(2-Ethylhexyl)phthalate	12.83	149	111913	5.13	ug/ml	99
75) Benzo(a)anthracene	13.02	228	108564	5.24	ug/ml#	70
76) Chrysene	13.09	228	103560	5.30	ug/ml#	67
78) Di-n-octylphthalate	13.86	149	184319	4.93	ug/ml#	95
79) Benzo(b)fluoranthene	15.12	252	96664m	5.01	ug/ml	
80) Benzo(k)fluoranthene	15.17	252	95591	5.18	ug/ml#	58
81) Benzo(a)pyrene	15.97	252	87850	4.90	ug/ml#	59
82) Indeno(1,2,3-cd)pyrene	19.69	276	81714	4.51	ug/ml#	48
83) Dibenz(a,h)anthracene	19.70	278	66590	4.41	ug/ml	96
84) Benzo(g,h,i)perylene	20.82	276	63754	4.50	ug/ml#	51

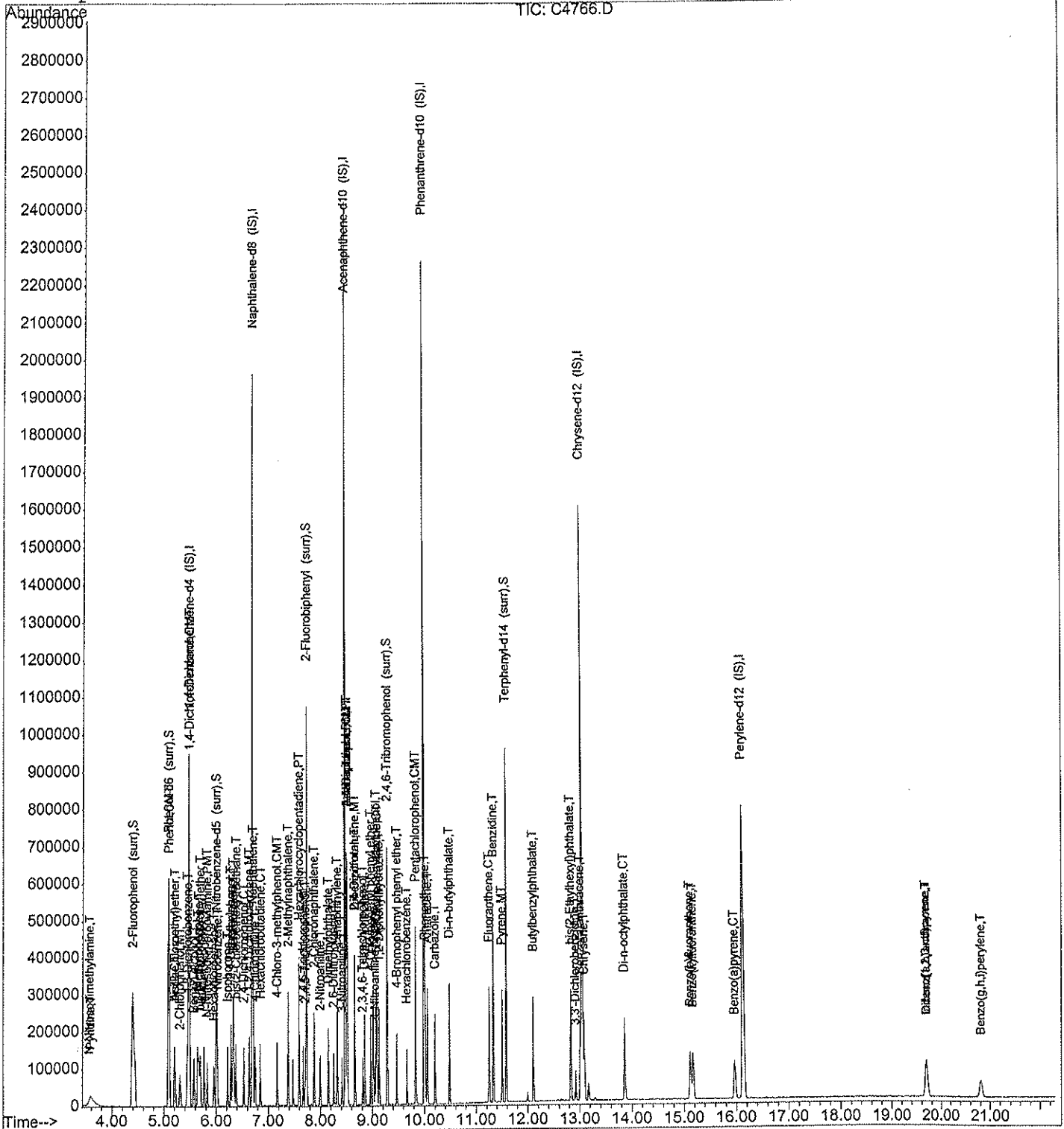
Quantitation Report

Data File : U:\DATA\C\C2732\C4766.D  
Acq On : 9 Sep 2011 12:10 pm  
Sample : SSTD005  
Misc : ;1;L;1.00;1.00; C2732 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 9 12:50 2011

Vial: 4  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Fri Sep 09 14:43:05 2011  
Response via : Initial Calibration



Data File : U:\DATA\C\C2732\C4767.D  
 Acq On : 9 Sep 2011 12:40 pm  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:13 2011

Vial: 5  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 12:52:29 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.47	152	240973	40.00	ug/ml	0.11
19) Naphthalene-d8 (IS)	6.69	136	981816	40.00	ug/ml	0.11
34) Acenaphthene-d10 (IS)	8.48	164	539536	40.00	ug/ml	0.12
55) Phenanthrene-d10 (IS)	9.99	188	779073	40.00	ug/ml	0.13
68) Chrysene-d12 (IS)	13.05	240	696291	40.00	ug/ml	0.20
77) Perylene-d12 (IS)	16.13	264	615118	40.00	ug/ml	0.35

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.39	112	619435	83.67	ug/ml	0.09
Spiked Amount 200.000	Range 21 - 110		Recovery =	41.84%		
5) Phenol-d6 (surr)	5.08	99	761020	81.28	ug/ml	0.09
Spiked Amount 200.000	Range 10 - 110		Recovery =	40.64%		
20) Nitrobenzene-d5 (surr)	6.00	82	323593	41.38	ug/ml	0.11
Spiked Amount 100.000	Range 35 - 114		Recovery =	41.38%		
38) 2-Fluorobiphenyl (surr)	7.74	172	632268	37.88	ug/ml	0.11
Spiked Amount 100.000	Range 43 - 116		Recovery =	37.88%#		
59) 2,4,6-Tribromophenol (sur)	9.29	330	109636	82.16	ug/ml	0.12
Spiked Amount 200.000	Range 10 - 123		Recovery =	41.08%		
71) Terphenyl-d14 (surr)	11.58	244	514331	39.50	ug/ml	0.14
Spiked Amount 100.000	Range 33 - 141		Recovery =	39.50%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.54	42	35143	14.68	ug/ml#	64
3) Pyridine	3.57	79	93687	11.14	ug/ml	89
6) Phenol	5.10	94	107762	10.26	ug/ml	85
7) Aniline	5.20	66	44814	10.37	ug/ml	99
8) bis(2-Chloroethyl) ether	5.21	63	63925	10.83	ug/ml	90
9) 2-Chlorophenol	5.31	128	87395	10.70	ug/ml	97
10) 1,3-Dichlorobenzene	5.44	146	103293	10.64	ug/ml	99
11) 1,4-Dichlorobenzene	5.48	146	93965	9.78	ug/ml	100
12) Benzyl alcohol	5.57	108	57542	10.47	ug/ml	100
13) 1,2-Dichlorobenzene	5.67	146	92620	10.28	ug/ml	95
14) 2-Methylphenol	5.64	108	85060	10.47	ug/ml	97
15) bis(2-Chloroisopropyl) ethe	5.69	45	112428	11.16	ug/ml	91
16) 4-Methylphenol	5.76	108	86758	10.42	ug/ml	99
17) N-Nitrosodi-n-propylamine	5.82	70	53547	11.11	ug/ml#	87
18) Hexachloroethane	5.95	117	38081	10.66	ug/ml	98
21) Nitrobenzene	6.02	123	42759	10.09	ug/ml	81
22) Isophorone	6.22	82	155148	10.69	ug/ml	96
23) 2-Nitrophenol	6.32	139	46371	11.69	ug/ml	99
24) 2,4-Dimethylphenol	6.28	122	77801	9.84	ug/ml	95
25) Benzoic acid	6.35	105	257715	Below Cal		92

(#) = qualifier out of range (m) = manual integration  
 C4767.D C\_8270A.M Fri Sep 09 14:50:56 2011

Data File : U:\DATA\C\C2732\C4767.D  
 Acq On : 9 Sep 2011 12:40 pm  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:13 2011

Vial: 5  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 12:52:29 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.38	93	108131	10.48	ug/ml	100
27) 2,4-Dichlorophenol	6.53	162	66344	10.05	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.63	180	66675	9.68	ug/ml	97
29) Naphthalene	6.71	128	257538	10.00	ug/ml	99
30) 4-Chloroaniline	6.74	127	102804	10.10	ug/ml	99
31) Hexachlorobutadiene	6.85	225	32149	9.90	ug/ml	100
32) 4-Chloro-3-methylphenol	7.17	107	71104	10.30	ug/ml	97
33) 2-Methylnaphthalene	7.38	142	178364	9.88	ug/ml	98
35) Hexachlorocyclopentadiene	7.59	237	111424	40.51	ug/ml	99
36) 2,4,6-Trichlorophenol	7.67	196	40735	10.66	ug/ml	98
37) 2,4,5-Trichlorophenol	7.71	196	44530	10.39	ug/ml	98
39) 2-Chloronaphthalene	7.88	162	145188	9.96	ug/ml	100
40) 2-Nitroaniline	7.99	65	42995	10.67	ug/ml	87
41) Dimethylphthalate	8.15	163	173120	10.37	ug/ml	94
42) 2,6-Dinitrotoluene	8.25	165	37065	10.22	ug/ml	98
43) Acenaphthylene	8.32	152	247414	10.10	ug/ml	100
44) 3-Nitroaniline	8.42	138	42722	10.86	ug/ml#	77
45) Acenaphthene	8.51	154	178960	11.35	ug/ml	86
46) 2,4-Dinitrophenol	8.51	184	59043m	62.55	ug/ml	
47) 4-Nitrophenol	8.52	65	118002	49.50	ug/ml#	87
48) 2,4-Dinitrotoluene	8.66	165	48134	9.55	ug/ml	91
49) Dibenzofuran	8.66	168	210264	9.83	ug/ml	88
50) 2,3,4,6-Tetrachlorophenol	8.81	232	27607	12.86	ug/ml#	66
51) Diethylphthalate	8.85	149	183449	10.47	ug/ml	95
52) Fluorene	9.02	166	170768	10.05	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.97	204	70200	9.88	ug/ml	98
54) 4-Nitroaniline	9.05	138	40460	10.63	ug/ml	79
56) 4,6-Dinitro-2-methylphenol	9.08	198	86558	52.94	ug/ml#	72
57) N-Nitrosodiphenylamine	9.09	169	122324	10.17	ug/ml	98
58) 1,2-Diphenylhydrazine	9.13	77	194873	11.36	ug/ml	92
60) 4-Bromophenyl phenyl ether	9.47	248	34386	9.76	ug/ml	99
61) Hexachlorobenzene	9.67	284	33489	9.74	ug/ml#	87
62) Pentachlorophenol	9.84	266	86856	86.66	ug/ml	99
63) Phenanthrene	10.01	178	229488	10.09	ug/ml	99
64) Anthracene	10.06	178	239245	10.11	ug/ml	99
65) Carbazole	10.20	167	175047	10.27	ug/ml#	94
66) Di-n-butylphthalate	10.48	149	338364	10.34	ug/ml	100
67) Fluoranthene	11.25	202	233020	10.24	ug/ml#	76
69) Benzidine	11.33	184	389465	37.53	ug/ml#	88
70) Pyrene	11.50	202	240999	10.14	ug/ml	94
72) Butylbenzylphthalate	12.10	149	151350	10.38	ug/ml	99

(#) = qualifier out of range (m) = manual integration  
 C4767.D C\_8270A.M Fri Sep 09 14:50:57 2011

25  
 10/13/11

Data File : U:\DATA\C\C2732\C4767.D  
 Acq On : 9 Sep 2011 12:40 pm  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:13 2011

Vial: 5  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 12:52:29 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.92	252	42511	9.83	ug/ml	98
74) bis(2-Ethylhexyl)phthalate	12.82	149	224979	10.21	ug/ml	98
75) Benzo(a)anthracene	13.01	228	206817	9.99	ug/ml#	70
76) Chrysene	13.09	228	200269	10.23	ug/ml#	70
78) Di-n-octylphthalate	13.86	149	374188	9.77	ug/ml#	96
79) Benzo(b)fluoranthene	15.12	252	184297m	9.43	ug/ml	
80) Benzo(k)fluoranthene	15.17	252	182801m	9.73	ug/ml	
81) Benzo(a)pyrene	15.96	252	175385	9.66	ug/ml#	58
82) Indeno(1,2,3-cd)pyrene	19.69	276	174704	9.55	ug/ml#	33
83) Dibenz(a,h)anthracene	19.69	278	143850	9.46	ug/ml	99
84) Benzo(g,h,i)perylene	20.81	276	137907	9.68	ug/ml#	45

*24 10/23/11*

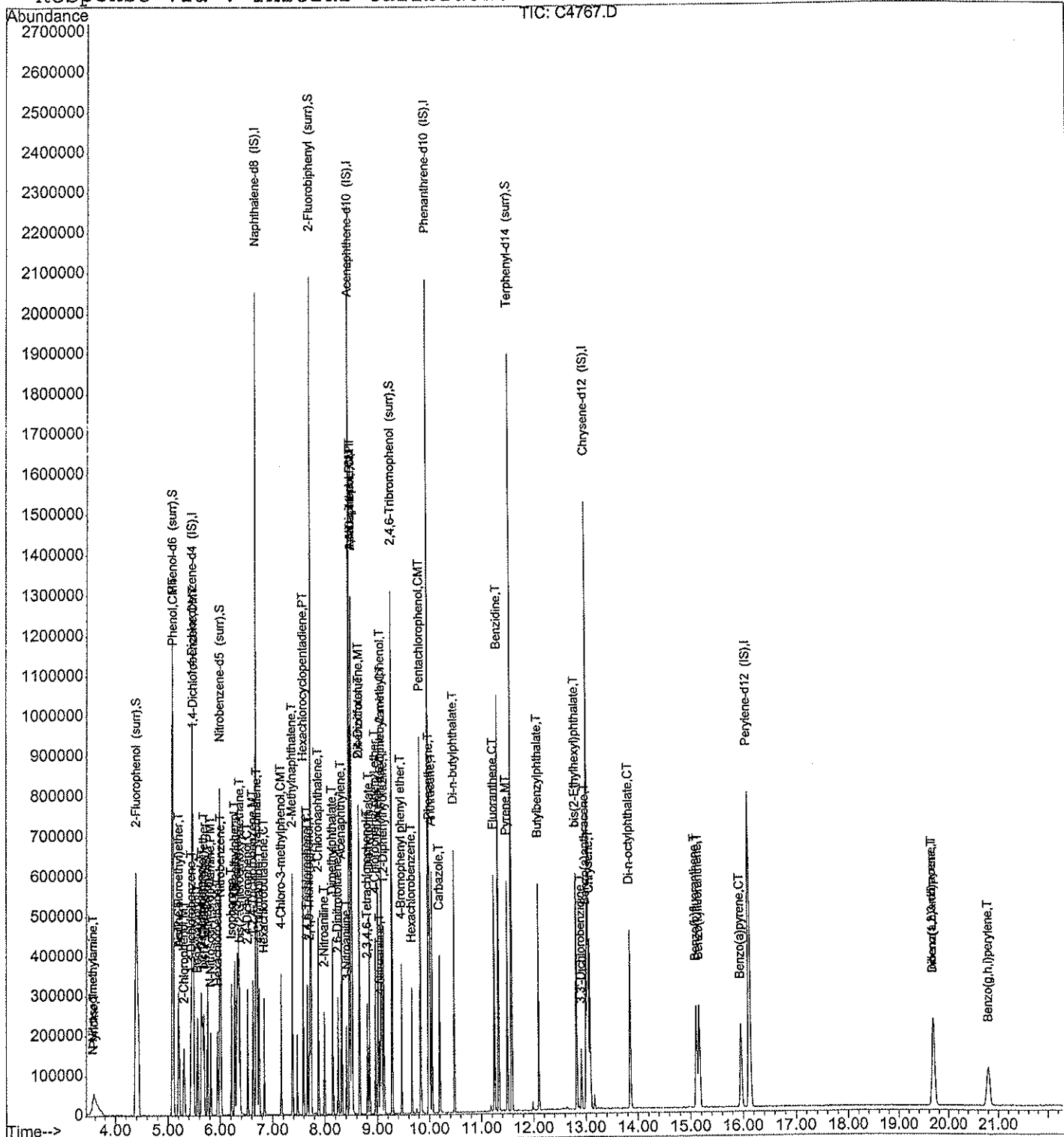
Quantitation Report

Data File : U:\DATA\C\C2732\C4767.D  
Acq On : 9 Sep 2011 12:40 pm  
Sample : SST010  
Misc : ;1;L;1.00;1.00; C2732 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 9 13:13 2011

Vial: 5  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Fri Sep 09 14:43:05 2011  
Response via : Initial Calibration



Data File : U:\DATA\C\C2732\C4768.D  
 Acq On : 9 Sep 2011 1:10 pm  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:35 2011

Vial: 6  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:12:09 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I	5.47	152	222986	40.00	ug/ml	0.11
19) Naphthalene-d8 (IS)	6.69	136	896321	40.00	ug/ml	0.11
34) Acenaphthene-d10 (IS)	8.48	164	492829	40.00	ug/ml	0.12
55) Phenanthrene-d10 (IS)	9.99	188	716987	40.00	ug/ml	0.13
68) Chrysene-d12 (IS)	13.04	240	643584	40.00	ug/ml	0.19
77) Perylene-d12 (IS)	16.13	264	564283	40.00	ug/ml	0.35

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.39	112	922008	131.81	ug/ml	0.09
Spiked Amount 200.000	Range 21 - 110		Recovery =	65.91%		
5) Phenol-d6 (surr)	5.09	99	1131519	128.81	ug/ml	0.09
Spiked Amount 200.000	Range 10 - 110		Recovery =	64.41%		
20) Nitrobenzene-d5 (surr)	6.00	82	485266	66.52	ug/ml	0.11
Spiked Amount 100.000	Range 35 - 114		Recovery =	66.52%		
38) 2-Fluorobiphenyl (surr)	7.74	172	935988	61.40	ug/ml	0.11
Spiked Amount 100.000	Range 43 - 116		Recovery =	61.40%		
59) 2,4,6-Tribromophenol (sur	9.29	330	167170	134.20	ug/ml	0.12
Spiked Amount 200.000	Range 10 - 123		Recovery =	67.10%		
71) Terphenyl-d14 (surr)	11.59	244	763011	63.31	ug/ml	0.14
Spiked Amount 100.000	Range 33 - 141		Recovery =	63.31%		

Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.55	42	67592	27.27	ug/ml#	65
3) Pyridine	3.58	79	183652	22.99	ug/ml	92
6) Phenol	5.10	94	212786	21.58	ug/ml	83
7) Aniline	5.20	66	89449	21.89	ug/ml	98
8) bis(2-Chloroethyl) ether	5.21	63	126804	22.54	ug/ml#	87
9) 2-Chlorophenol	5.31	128	169876	21.95	ug/ml	100
10) 1,3-Dichlorobenzene	5.44	146	189567	20.68	ug/ml	98
11) 1,4-Dichlorobenzene	5.48	146	196150	21.94	ug/ml	100
12) Benzyl alcohol	5.57	108	113943	21.93	ug/ml	97
13) 1,2-Dichlorobenzene	5.66	146	179333	21.10	ug/ml	99
14) 2-Methylphenol	5.64	108	162671	21.12	ug/ml	100
15) bis(2-Chloroisopropyl) ethe	5.69	45	217794	22.59	ug/ml	92
16) 4-Methylphenol	5.76	108	170875	21.70	ug/ml	98
17) N-Nitrosodi-n-propylamine	5.83	70	104610	22.62	ug/ml#	83
18) Hexachloroethane	5.95	117	73219	21.56	ug/ml	95
21) Nitrobenzene	6.02	123	83682	21.28	ug/ml	75
22) Isophorone	6.22	82	304161	22.27	ug/ml	98
23) 2-Nitrophenol	6.32	139	91352	22.71	ug/ml	98
24) 2,4-Dimethylphenol	6.28	122	152587	20.88	ug/ml	94
25) Benzoic acid	6.37	105	376171	Below Cal		92

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

Data File : U:\DATA\C\C2732\C4768.D  
 Acq On : 9 Sep 2011 1:10 pm  
 Sample : SST020  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:35 2011

Vial: 6  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:12:09 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.38	93	210340	21.75	ug/ml	100
27) 2,4-Dichlorophenol	6.53	162	127616	20.68	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.63	180	128112	20.17	ug/ml	99
29) Naphthalene	6.71	128	498199	20.80	ug/ml	99
30) 4-Chloroaniline	6.75	127	198654	20.83	ug/ml	98
31) Hexachlorobutadiene	6.85	225	63284	21.04	ug/ml	98
32) 4-Chloro-3-methylphenol	7.17	107	139592	21.59	ug/ml	99
33) 2-Methylnaphthalene	7.38	142	344137	20.56	ug/ml	99
35) Hexachlorocyclopentadiene	7.59	237	170456	66.51	ug/ml	99
36) 2,4,6-Trichlorophenol	7.67	196	77432	21.29	ug/ml	99
37) 2,4,5-Trichlorophenol	7.71	196	86478	21.32	ug/ml	100
39) 2-Chloronaphthalene	7.88	162	278120	20.50	ug/ml	99
40) 2-Nitroaniline	8.00	65	84328	22.19	ug/ml	83
41) Dimethylphthalate	8.15	163	333959	21.33	ug/ml	95
42) 2,6-Dinitrotoluene	8.25	165	74040	21.82	ug/ml	98
43) Acenaphthylene	8.33	152	477159	20.92	ug/ml	100
44) 3-Nitroaniline	8.42	138	82299	21.81	ug/ml	80
45) Acenaphthene	8.51	154	329549	21.83	ug/ml	92
46) 2,4-Dinitrophenol	8.51	184	96753	102.33	ug/ml	90
47) 4-Nitrophenol	8.52	65	172014	73.09	ug/ml	89
48) 2,4-Dinitrotoluene	8.66	165	96304	20.63	ug/ml	98
49) Dibenzofuran	8.66	168	403461	20.44	ug/ml	89
50) 2,3,4,6-Tetrachlorophenol	8.81	232	52953	26.41	ug/ml#	59
51) Diethylphthalate	8.85	149	352171	21.33	ug/ml	95
52) Fluorene	9.02	166	325087	20.55	ug/ml	100
53) 4-Chlorophenyl phenyl ethe	8.97	204	134031	20.39	ug/ml	98
54) 4-Nitroaniline	9.05	138	79731	21.83	ug/ml	81
56) 4,6-Dinitro-2-methylphenol	9.08	198	131250	78.88	ug/ml#	69
57) N-Nitrosodiphenylamine	9.10	169	232711	20.59	ug/ml	99
58) 1,2-Diphenylhydrazine	9.13	77	375608	22.77	ug/ml	95
60) 4-Bromophenyl phenyl ether	9.47	248	66237	20.41	ug/ml	98
61) Hexachlorobenzene	9.67	284	63304	20.08	ug/ml#	85
62) Pentachlorophenol	9.84	266	128526	157.50	ug/ml	99
63) Phenanthrene	10.01	178	439663	20.64	ug/ml	98
64) Anthracene	10.06	178	461876	20.84	ug/ml	98
65) Carbazole	10.20	167	328014	20.08	ug/ml#	95
66) Di-n-butylphthalate	10.48	149	663936	21.46	ug/ml	100
67) Fluoranthene	11.25	202	443790	20.79	ug/ml#	78
69) Benzidine	11.33	184	521912	55.76	ug/ml#	86
70) Pyrene	11.50	202	460312	20.56	ug/ml	94
72) Butylbenzylphthalate	12.10	149	294431	21.19	ug/ml	97

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



Data File : U:\DATA\C\C2732\C4768.D  
 Acq On : 9 Sep 2011 1:10 pm  
 Sample : SST020  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 13:35 2011

Vial: 6  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:12:09 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.92	252	82633	19.96	ug/ml	99
74) bis(2-Ethylhexyl)phthalate	12.82	149	445349	21.25	ug/ml	98
75) Benzo(a)anthracene	13.01	228	397964	20.56	ug/ml#	70
76) Chrysene	13.09	228	378681	20.57	ug/ml#	69
78) Di-n-octylphthalate	13.86	149	755303	21.04	ug/ml#	96
79) Benzo(b)fluoranthene	15.12	252	369720m	20.50	ug/ml	
80) Benzo(k)fluoranthene	15.18	252	366298	21.12	ug/ml#	55
81) Benzo(a)pyrene	15.97	252	347740	20.73	ug/ml#	62
82) Indeno(1,2,3-cd)pyrene	19.71	276	347410	20.47	ug/ml#	33
83) Dibenz(a,h)anthracene	19.71	278	286297	20.31	ug/ml	100
84) Benzo(g,h,i)perylene	20.82	276	273096	20.62	ug/ml#	42

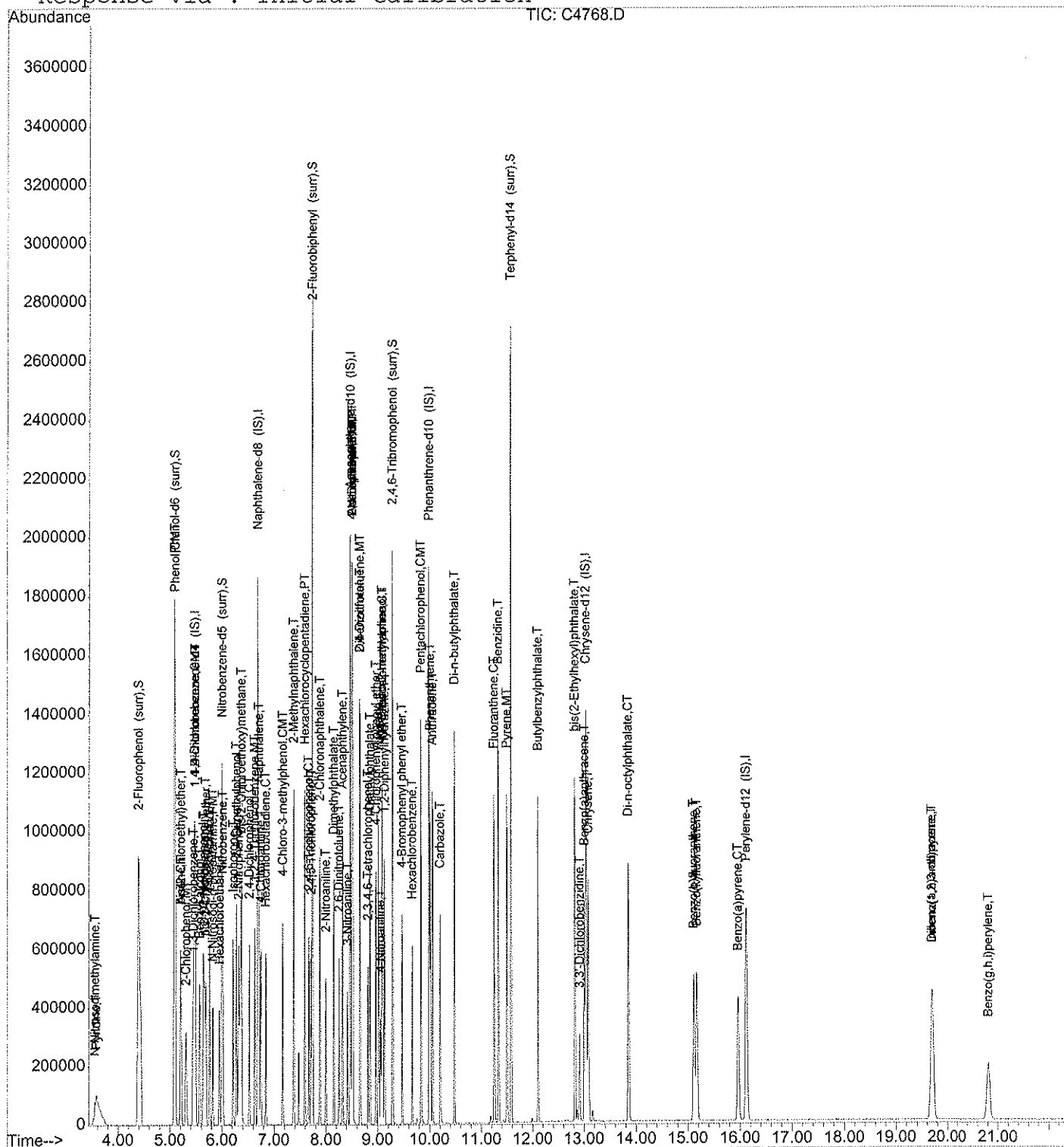
Quantitation Report

Data File : U:\DATA\C\C2732\C4768.D  
Acq On : 9 Sep 2011 1:10 pm  
Sample : SSTD020  
Misc : ;1;L;1.00;1.00; C2732 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 9 13:35 2011

Vial: 6  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration



Data File : U:\DATA\C\C2732\C4769.D  
 Acq On : 9 Sep 2011 1:39 pm  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:04 2011

Vial: 7  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:39:32 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.47	152	234929	40.00	ug/ml	0.10
19) Naphthalene-d8 (IS)	6.69	136	950866	40.00	ug/ml	0.12
34) Acenaphthene-d10 (IS)	8.47	164	526659	40.00	ug/ml	0.12
55) Phenanthrene-d10 (IS)	9.99	188	758543	40.00	ug/ml	0.13
68) Chrysene-d12 (IS)	13.05	240	678416	40.00	ug/ml	0.20
77) Perylene-d12 (IS)	16.13	264	599155	40.00	ug/ml	0.36

#### System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.39	112	1270590	169.11	ug/ml	0.09
Spiked Amount 200.000	Range 21 - 110		Recovery =	84.56%		
5) Phenol-d6 (surr)	5.09	99	1553848	166.15	ug/ml	0.09
Spiked Amount 200.000	Range 10 - 110		Recovery =	83.08%		
20) Nitrobenzene-d5 (surr)	6.00	82	666585	84.12	ug/ml	0.10
Spiked Amount 100.000	Range 35 - 114		Recovery =	84.12%		
38) 2-Fluorobiphenyl (surr)	7.74	172	1281692	79.00	ug/ml	0.12
Spiked Amount 100.000	Range 43 - 116		Recovery =	79.00%		
59) 2,4,6-Tribromophenol (sur)	9.29	330	231575	173.11	ug/ml	0.13
Spiked Amount 200.000	Range 10 - 123		Recovery =	86.56%		
71) Terphenyl-d14 (surr)	11.58	244	1047582	82.38	ug/ml	0.14
Spiked Amount 100.000	Range 33 - 141		Recovery =	82.38%		

#### Target Compounds

						Qvalue
2) N-Nitrosodimethylamine	3.54	42	137854	47.46	ug/ml#	58
3) Pyridine	3.57	79	378902	43.67	ug/ml	91
6) Phenol	5.10	94	435121	41.27	ug/ml#	81
7) Aniline	5.20	66	185692	42.22	ug/ml	92
8) bis(2-Chloroethyl) ether	5.21	63	256730	42.05	ug/ml#	87
9) 2-Chlorophenol	5.31	128	349469	41.87	ug/ml	99
10) 1,3-Dichlorobenzene	5.44	146	397033	40.78	ug/ml	97
11) 1,4-Dichlorobenzene	5.48	146	378562	39.43	ug/ml	99
12) Benzyl alcohol	5.57	108	235576	42.11	ug/ml	100
13) 1,2-Dichlorobenzene	5.66	146	364652	40.17	ug/ml	99
14) 2-Methylphenol	5.64	108	338233	41.09	ug/ml	100
15) bis(2-Chloroisopropyl) ethe	5.69	45	439188	41.85	ug/ml	90
16) 4-Methylphenol	5.76	108	351385	41.55	ug/ml	97
17) N-Nitrosodi-n-propylamine	5.82	70	221229	43.81	ug/ml#	90
18) Hexachloroethane	5.95	117	151056	41.37	ug/ml	96
21) Nitrobenzene	6.02	123	172622	40.76	ug/ml	73
22) Isophorone	6.22	82	623125	41.79	ug/ml	97
23) 2-Nitrophenol	6.32	139	187397	42.73	ug/ml	98
24) 2,4-Dimethylphenol	6.28	122	304582	38.87	ug/ml	96
25) Benzoic acid	6.38	105	529715	Below Cal		92

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

Data File : U:\DATA\C\C2732\C4769.D  
 Acq On : 9 Sep 2011 1:39 pm  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:04 2011

Vial: 7  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:39:32 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.38	93	431267	41.00	ug/ml	99
27) 2,4-Dichlorophenol	6.53	162	265373	40.03	ug/ml	100
28) 1,2,4-Trichlorobenzene	6.63	180	267151	39.49	ug/ml	96
29) Naphthalene	6.70	128	1022642	39.77	ug/ml	99
30) 4-Chloroaniline	6.74	127	416895	40.33	ug/ml	98
31) Hexachlorobutadiene	6.84	225	127217	39.50	ug/ml	100
32) 4-Chloro-3-methylphenol	7.16	107	293118	41.76	ug/ml	96
33) 2-Methylnaphthalene	7.38	142	702705	39.23	ug/ml	99
35) Hexachlorocyclopentadiene	7.59	237	238066	85.30	ug/ml	98
36) 2,4,6-Trichlorophenol	7.67	196	161311	40.53	ug/ml	99
37) 2,4,5-Trichlorophenol	7.71	196	177802	40.24	ug/ml	99
39) 2-Chloronaphthalene	7.89	162	579447	39.59	ug/ml	100
40) 2-Nitroaniline	8.00	65	179176	42.79	ug/ml	86
41) Dimethylphthalate	8.15	163	680730	39.82	ug/ml	95
42) 2,6-Dinitrotoluene	8.25	165	153994	41.46	ug/ml	100
43) Acenaphthylene	8.32	152	980840	39.68	ug/ml	99
44) 3-Nitroaniline	8.42	138	178842	42.36	ug/ml	78
45) Acenaphthene	8.51	154	643348	38.66	ug/ml	95
46) 2,4-Dinitrophenol	8.52	184	147022	135.64	ug/ml	98
47) 4-Nitrophenol	8.53	65	244207	91.11	ug/ml#	85
48) 2,4-Dinitrotoluene	8.67	165	201203	39.89	ug/ml	97
49) Dibenzofuran	8.66	168	829826	39.15	ug/ml	90
51) Diethylphthalate	8.86	149	722842	40.03	ug/ml	97
52) Fluorene	9.02	166	669236	39.22	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.97	204	278092	39.35	ug/ml	99
54) 4-Nitroaniline	9.06	138	171457	42.02	ug/ml	80
56) 4,6-Dinitro-2-methylphenol	9.09	198	194069	104.47	ug/ml#	73
57) N-Nitrosodiphenylamine	9.10	169	478381	39.56	ug/ml	99
58) 1,2-Diphenylhydrazine	9.13	77	764241	42.15	ug/ml	93
60) 4-Bromophenyl phenyl ether	9.47	248	135904	39.56	ug/ml	98
61) Hexachlorobenzene	9.67	284	131031	39.68	ug/ml#	87
62) Pentachlorophenol	9.84	266	178203	194.25	ug/ml	99
63) Phenanthrene	10.02	178	903660	39.73	ug/ml	99
64) Anthracene	10.06	178	937837	39.57	ug/ml	98
65) Carbazole	10.20	167	765098	42.63	ug/ml#	95
66) Di-n-butylphthalate	10.49	149	1361890	40.71	ug/ml	100
67) Fluoranthene	11.25	202	912896	40.04	ug/ml#	79
69) Benzidine	11.33	184	660444	69.24	ug/ml#	86
70) Pyrene	11.50	202	949101	39.88	ug/ml	94
72) Butylbenzylphthalate	12.11	149	613550	40.95	ug/ml	98
73) 3,3'-Dichlorobenzidine	12.92	252	220310	48.21	ug/ml	97

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

Data File : U:\DATA\C\C2732\C4769.D  
 Acq On : 9 Sep 2011 1:39 pm  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:04 2011

Vial: 7  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 13:39:32 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) bis(2-Ethylhexyl)phthalate	12.83	149	928469	41.19	ug/ml	100
75) Benzo(a)anthracene	13.01	228	809236	39.48	ug/ml#	71
76) Chrysene	13.09	228	773937	39.55	ug/ml#	66
78) Di-n-octylphthalate	13.86	149	1601115	41.40	ug/ml#	96
79) Benzo(b)fluoranthene	15.12	252	770579m	40.17	ug/ml	
80) Benzo(k)fluoranthene	15.18	252	750179	40.61	ug/ml#	56
81) Benzo(a)pyrene	15.98	252	722321	40.39	ug/ml#	54
82) Indeno(1,2,3-cd)pyrene	19.73	276	750993	41.72	ug/ml#	27
83) Dibenz(a,h)anthracene	19.73	278	620034	41.57	ug/ml	99
84) Benzo(g,h,i)perylene	20.84	276	601390	42.59	ug/ml#	39

RC 10/13/11

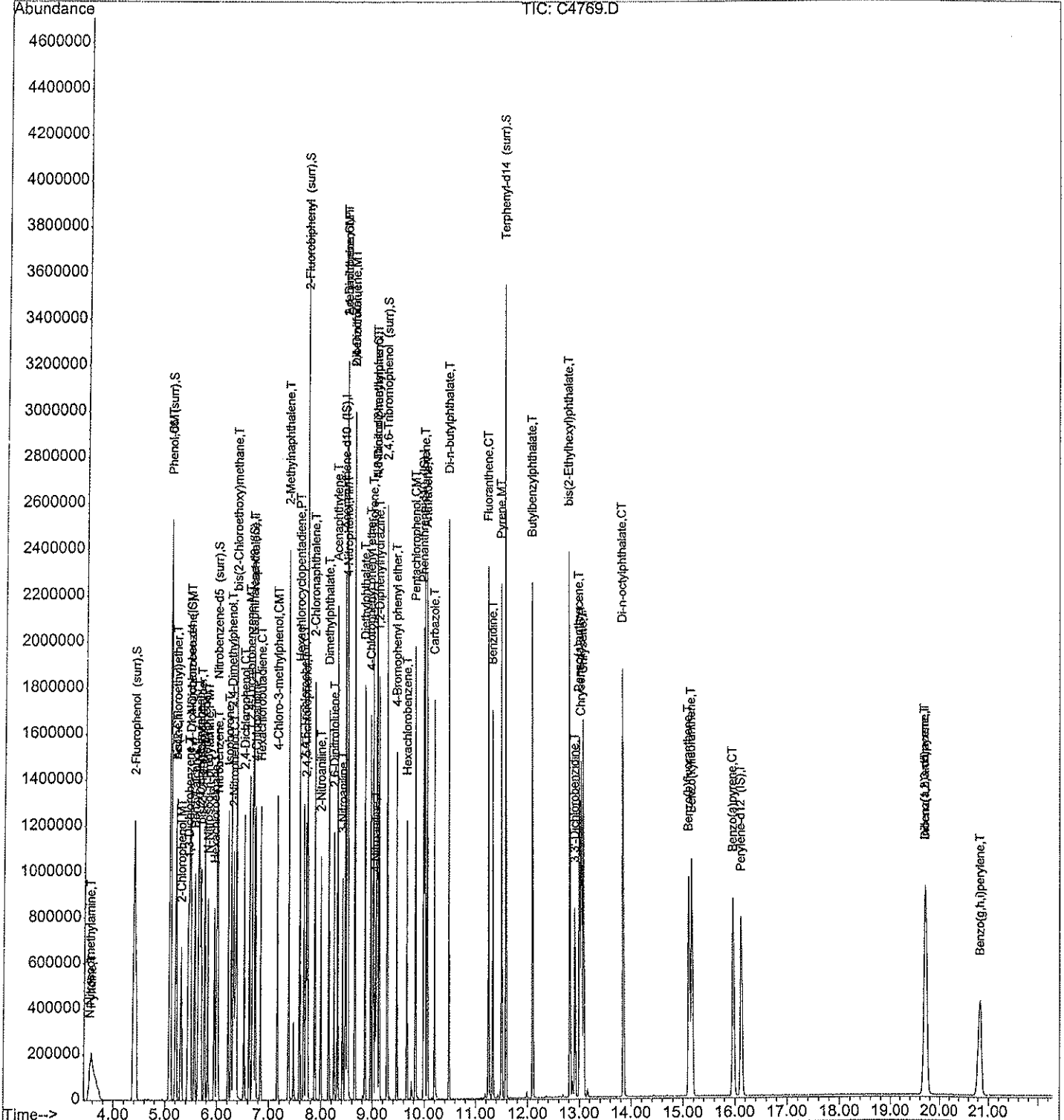
# Quantitation Report

Data File : U:\DATA\C\C2732\C4769.D  
 Acq On : 9 Sep 2011 1:39 pm  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:04 2011

Vial: 7  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:43:05 2011  
 Response via : Initial Calibration



Data File : U:\DATA\C\C2732\C4770.D  
 Acq On : 9 Sep 2011 2:09 pm  
 Sample : SST080  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:33 2011

Vial: 8  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:27:04 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.47	152	237848	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.69	136	962690	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.48	164	532078	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.99	188	777781	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.06	240	693030	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.14	264	611515	40.00	ug/ml	0.01

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.39	112	1620674	208.85	ug/ml	0.00
Spiked Amount 200.000	Range 21 - 110		Recovery =	104.42%		
5) Phenol-d6 (surr)	5.09	99	1968565	205.40	ug/ml	0.00
Spiked Amount 200.000	Range 10 - 110		Recovery =	102.70%		
20) Nitrobenzene-d5 (surr)	6.00	82	842081	102.93	ug/ml	0.00
Spiked Amount 100.000	Range 35 - 114		Recovery =	102.93%		
38) 2-Fluorobiphenyl (surr)	7.74	172	1636002	100.79	ug/ml	0.00
Spiked Amount 100.000	Range 43 - 116		Recovery =	100.79%		
59) 2,4,6-Tribromophenol (sur)	9.30	330	294080	210.32	ug/ml	0.00
Spiked Amount 200.000	Range 10 - 123		Recovery =	105.16%		
71) Terphenyl-d14 (surr)	11.59	244	1326065	101.42	ug/ml	0.00
Spiked Amount 100.000	Range 33 - 141		Recovery =	101.42%		

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.55	42	282505	87.21	ug/ml#	68
3) Pyridine	3.57	79	769690	84.49	ug/ml	92
6) Phenol	5.11	94	875001	80.82	ug/ml#	79
7) Aniline	5.20	66	367505	80.80	ug/ml	98
8) bis(2-Chloroethyl) ether	5.21	63	517278	81.61	ug/ml	88
9) 2-Chlorophenol	5.31	128	702359	81.31	ug/ml	100
10) 1,3-Dichlorobenzene	5.44	146	779833	78.08	ug/ml	100
11) 1,4-Dichlorobenzene	5.49	146	789923	81.18	ug/ml	100
12) Benzyl alcohol	5.57	108	478795	82.83	ug/ml	100
13) 1,2-Dichlorobenzene	5.66	146	725764	78.28	ug/ml	100
14) 2-Methylphenol	5.65	108	678095	80.36	ug/ml	99
15) bis(2-Chloroisopropyl) ethe	5.69	45	867598	79.34	ug/ml	86
16) 4-Methylphenol	5.77	108	714417	81.91	ug/ml	98
17) N-Nitrosodi-n-propylamine	5.83	70	445958	83.72	ug/ml#	84
18) Hexachloroethane	5.95	117	307079	81.51	ug/ml	98
21) Nitrobenzene	6.03	123	346613	80.12	ug/ml	73
22) Isophorone	6.22	82	1260620	81.79	ug/ml	99
23) 2-Nitrophenol	6.32	139	380328	84.07	ug/ml	96
24) 2,4-Dimethylphenol	6.29	122	616039	77.98	ug/ml	95
25) Benzoic acid	6.39	105	668429	104.85	ug/ml	92

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

Data File : U:\DATA\C\C2732\C4770.D  
 Acq On : 9 Sep 2011 2:09 pm  
 Sample : SSTD080  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:33 2011

Vial: 8  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:27:04 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.38	93	857657	79.40	ug/ml	100
27) 2,4-Dichlorophenol	6.53	162	532751	79.18	ug/ml	100
28) 1,2,4-Trichlorobenzene	6.63	180	538282	78.98	ug/ml	99
29) Naphthalene	6.71	128	2039731	78.21	ug/ml	99
30) 4-Chloroaniline	6.75	127	831921	79.04	ug/ml	98
31) Hexachlorobutadiene	6.85	225	257364	78.82	ug/ml	99
32) 4-Chloro-3-methylphenol	7.17	107	599764	83.09	ug/ml	97
33) 2-Methylnaphthalene	7.38	142	1406963	78.01	ug/ml	100
35) Hexachlorocyclopentadiene	7.60	237	309678	108.49	ug/ml	100
36) 2,4,6-Trichlorophenol	7.68	196	330430	81.40	ug/ml	98
37) 2,4,5-Trichlorophenol	7.72	196	364119	81.00	ug/ml	100
39) 2-Chloronaphthalene	7.88	162	1176316	79.56	ug/ml	100
40) 2-Nitroaniline	8.00	65	359520	82.85	ug/ml	87
41) Dimethylphthalate	8.16	163	1385838	79.69	ug/ml	94
42) 2,6-Dinitrotoluene	8.26	165	314448	82.66	ug/ml	94
43) Acenaphthylene	8.33	152	1982089	79.23	ug/ml	100
44) 3-Nitroaniline	8.42	138	366018	83.98	ug/ml	83
45) Acenaphthene	8.51	154	1246453	73.54	ug/ml	99
46) 2,4-Dinitrophenol	8.52	184	198195	124.76	ug/ml	98
47) 4-Nitrophenol	8.53	65	311989	109.00	ug/ml	89
48) 2,4-Dinitrotoluene	8.67	165	412159	81.57	ug/ml	97
49) Dibenzofuran	8.66	168	1667499	78.45	ug/ml	90
51) Diethylphthalate	8.86	149	1471122	79.98	ug/ml	96
52) Fluorene	9.02	166	1348547	78.48	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.97	204	566815	79.55	ug/ml	98
54) 4-Nitroaniline	9.07	138	351178	83.87	ug/ml	79
56) 4,6-Dinitro-2-methylphenol	9.10	198	260011	121.41	ug/ml#	75
57) N-Nitrosodiphenylamine	9.10	169	963335	77.59	ug/ml	98
58) 1,2-Diphenylhydrazine	9.14	77	1525301	79.75	ug/ml	96
60) 4-Bromophenyl phenyl ether	9.48	248	278795	79.37	ug/ml	97
61) Hexachlorobenzene	9.67	284	265198	78.73	ug/ml#	87
62) Pentachlorophenol	9.84	266	235603	106.79	ug/ml	98
63) Phenanthrene	10.02	178	1839266	78.70	ug/ml	99
64) Anthracene	10.07	178	1913579	78.65	ug/ml	99
65) Carbazole	10.21	167	1635661	86.59	ug/ml#	95
66) Di-n-butylphthalate	10.49	149	2776534	80.41	ug/ml	99
67) Fluoranthene	11.26	202	1857717	79.19	ug/ml#	78
69) Benzidine	11.34	184	615621	66.95	ug/ml#	87
70) Pyrene	11.51	202	1927978	79.21	ug/ml	100
72) Butylbenzylphthalate	12.11	149	1257536	81.37	ug/ml	98
73) 3,3'-Dichlorobenzidine	12.93	252	497088	101.33	ug/ml	97

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



Data File : U:\DATA\C\C2732\C4770.D  
 Acq On : 9 Sep 2011 2:09 pm  
 Sample : SSTD080  
 Misc : ;1;L;1.00;1.00; C2732 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 9 14:33 2011

Vial: 8  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Fri Sep 09 14:27:04 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) bis(2-Ethylhexyl)phthalate	12.83	149	1904352	82.23	ug/ml	100
75) Benzo(a)anthracene	13.02	228	1647721	78.73	ug/ml#	71
76) Chrysene	13.10	228	1574873	78.69	ug/ml#	72
78) Di-n-octylphthalate	13.87	149	3355680	84.69	ug/ml#	96
79) Benzo(b)fluoranthene	15.14	252	1624655	83.03	ug/ml#	57
80) Benzo(k)fluoranthene	15.20	252	1455644	76.87	ug/ml#	56
81) Benzo(a)pyrene	16.00	252	1472289	80.75	ug/ml#	57
82) Indeno(1,2,3-cd)pyrene	19.79	276	1526080	83.27	ug/ml#	28
83) Dibenz(a,h)anthracene	19.78	278	1265821	83.60	ug/ml	100
84) Benzo(g,h,i)perylene	20.89	276	1218465	84.44	ug/ml#	37



## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

CC LabFile ID: C2743-4903Initial Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Initial Calibration End Date: 9/9/11 2:09:00 PMContinuing Calibration Date: 9/28/11 11:46:00 AM

ID	ANALYTE	Sample Type	RRF		Minimum RRF	Percent Difference	Maximum % Difference
0	Average Percent Difference	A				9.5	15.0
1	1,4-Dichlorobenzene-d4	I	1.0000	1.0000		0.0	
2	n-Nitrosodimethylamine	T	0.5978	0.5993		-0.2	
3	Pyridine	T	1.5982	1.3558		15.2	
4	2-Fluorophenol	S	1.3335	1.2173		8.7	
5	Phenol-d6	S	1.6341	1.5668		4.1	
6	Phenol	C	1.8449	1.7004		7.8	20.0 *
7	Aniline	T	0.7783	0.7047		9.5	
8	bis(2-chloroethyl)ether	T	1.0939	0.9802		10.4	
9	2-Chlorophenol	M	1.4787	1.3055		11.7	
10	1,3-Dichlorobenzene	T	1.6792	1.5731		6.3	
11	1,4-Dichlorobenzene	C	1.6481	1.5614		5.3	20.0 *
12	Benzyl alcohol	T	0.9905	0.8327		15.9	
13	1,2-Dichlorobenzene	M	1.5616	1.4631		6.3	
14	2-Methylphenol(o-Cresol)	T	1.4282	1.2831		10.2	
15	bis(2-chloroisopropyl)ether	T	1.8930	1.6526		12.7	
16	3+4-Methylphenol(m,p-Cresol)	T	1.4895	1.3204		11.4	
17	Di-n-propylnitrosamine	P	0.9300	0.7916	0.0500	14.9	* *
18	Hexachloroethane	T	0.6430	0.6049		5.9	
19	Naphthalene-d8	I	1.0000	1.0000		0.0	
20	Nitrobenzene-d5	S	0.3456	0.3368		2.6	
21	Nitrobenzene	T	0.1800	0.1643		8.7	
22	Isophorone	M	0.6524	0.5649		13.4	
23	2-Nitrophenol	C	0.1959	0.2004		-2.3	20.0 *
24	2,4-Dimethylphenol	T	0.3248	0.2931		9.8	
25	Benzoic acid	T	0.2674	0.2258		15.6	
26	bis(2-chloroethoxy)methane	T	0.4514	0.4083		9.6	
27	2,4-Dichlorophenol	C	0.2776	0.2607		6.1	20.0 *
28	1,2,4-Trichlorobenzene	M	0.2795	0.2752		1.6	
29	Naphthalene	M	1.0790	1.0080		6.6	
30	4-Chloroaniline	T	0.4333	0.3573		17.5	

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

00126

## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

CC LabFile ID: C2743-4903Initial Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Initial Calibration End Date: 9/9/11 2:09:00 PMContinuing Calibration Date: 9/28/11 11:46:00 AM

ID	ANALYTE	Sample Type	RRF	RRF20	Minimum RRF	Percent Difference	Maximum % Difference	
31	Hexachlorobutadiene	C	0.1357	0.1470		-8.3	20.0	*
32	4-Chloro-3-methylphenol	C	0.3027	0.2835		6.4	20.0	*
33	2-Methylnaphthalene	M	0.7416	0.7043		5.0		
34	Acenaphthene-d10	I	1.0000	1.0000		0.0		
35	Hexachlorocyclopentadiene	P	0.2182	0.3163	0.0500	-44.9		*
36	2,4,6-Trichlorophenol	C	0.3055	0.2970		2.8	20.0	*
37	2,4,5-Trichlorophenol	T	0.3375	0.3293		2.4		
38	2-Fluorobiphenyl	S	1.2160	1.2993		-6.8		
39	2-Chloronaphthalene	T	1.1024	1.0208		7.4		
40	2-Nitroaniline	T	0.3328	0.3001		9.8		
41	Dimethyl phthalate	T	1.3074	1.1961		8.5		
42	2,6-Dinitrotoluene	T	0.2875	0.2540		11.7		
43	Acenaphthylene	M	1.8731	1.6882		9.9		
44	3-Nitroaniline	T	0.3300	0.2411		27.0		
45	Acenaphthene	C	1.2739	1.2118		4.9	20.0	*
46	2,4-Dinitrophenol	P	0.1243	0.1094	0.0500	12.0		*
47	4-Nitrophenol	P	0.2254	0.2182	0.0500	3.2		*
48	2,4-Dinitrotoluene	M	0.3764	0.3678		2.3		
49	Dibenzofuran	M	1.5870	1.5253		3.9		
50	2,3,4,6-Tetrachlorophenol	T	0.2060	0.2095		-1.7		
51	Diethyl phthalate	T	1.3846	1.2621		8.8		
52	Fluorene	T	1.2827	1.1807		8.0		
53	4-Chlorophenylphenyl ether	T	0.5340	0.5202		2.6		
54	4-Nitroaniline	T	0.3160	0.2288		27.6		
55	Phenanthrene-d10	I	1.0000	1.0000		0.0		
56	4,6-Dinitro-o-cresol	T	0.1189	0.1076		9.5		
57	Diphenylnitrosamine	C	0.6349	0.5711		10.1	20.0	*
58	1,2-Diphenylhydrazine	T	1.0088	0.8459		16.2		
59	2,4,6-Tribromophenol	S	0.0739	0.0832		-12.6		
60	4-Bromophenylphenyl ether	T	0.1797	0.1760		2.1		
61	Hexachlorobenzene	T	0.1728	0.1670		3.4		

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

M = Matrix Spike Compound

G = Analytical Group

S = Surrogate Standard

I = Internal Standard

P = System Performance Check Compound

C = Calibration Check Compound

## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

CC LabFile ID: C2743-4903Initial Calibration Start Date: 09/09/2011 12:10 PMLab Sample ID: 1109409Initial Calibration End Date: 9/9/11 2:09:00 PMContinuing Calibration Date: 9/28/11 11:46:00 AM

ID	ANALYTE	Sample Type	RRF	RRF20	Minimum RRF	Percent Difference	Maximum % Difference
62	Pentachlorophenol	C	0.1150	0.1153		-0.2	20.0 *
63	Phenanthrene	T	1.2000	1.0772		10.2	
64	Anthracene	T	1.2480	1.1310		9.4	
65	Carbazole	T	0.9821	0.5548		43.5	
66	Di-n-butyl phthalate	T	1.7854	1.5230		14.7	
67	Fluoranthene	C	1.2079	1.1539		4.5	20.0 *
68	Chrysene-d12	I	1.0000	1.0000		0.0	
69	Benzidine	T	0.5031	0.4448		11.6	
70	Pyrene	M	1.4082	1.2271		12.9	
71	Terphenyl-d14	S	0.7653	0.8076		-5.5	
72	Butyl benzyl phthalate	T	0.8934	0.7063		20.9	
73	3,3'-Dichlorobenzidine	T	0.2890	0.1480		48.8	
74	bis(2-Ethylhexyl)phthalate	T	1.3359	1.0469		21.6	
75	Benzo[a]anthracene	T	1.2059	1.1158		7.5	
76	Chrysene	T	1.1542	1.0693		7.4	
77	Perylene-d12	I	1.0000	1.0000		0.0	
78	Di-n-octyl phthalate	C	2.5841	2.0756		19.7	20.0 *
79	3,4-Benzofluoranthene	T	1.2758	1.2154		4.7	
80	Benzo[k]fluoranthene	T	1.2342	1.1619		5.9	
81	Benzo[a]pyrene	C	1.1847	1.1233		5.2	20.0 *
82	Indeno[1,2,3-cd]pyrene	T	1.1860	1.1204		5.5	
83	Dibenzo[a,h]anthracene	T	0.9769	0.9150		6.3	
84	Benzo[g,h,i]perylene	T	0.9385	0.9224		1.7	
85	Cresol (total)	G	1.4589	1.3017		10.8	

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

Data File : U:\DATA\C\C2743\C4903.D  
 Acq On : 28 Sep 2011 11:46 am  
 Sample : SST020  
 Misc : ;1;L;1.00;1.00; C2743 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 12:46 2011

Vial: 2  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I	5.43	152	244126	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	985196	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	565727	40.00	ug/ml	-0.04
55) Phenanthrene-d10 (IS)	9.94	188	875496	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.96	240	854249	40.00	ug/ml	-0.09
77) Perylene-d12 (IS)	15.96	264	732315	40.00	ug/ml	-0.18

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.36	112	891547	109.54	ug/ml	-0.03
Spiked Amount 200.000	Range 21 - 110		Recovery =	54.77%		
5) Phenol-d6 (surr)	5.06	99	1147469	115.05	ug/ml	-0.03
Spiked Amount 200.000	Range 10 - 110		Recovery =	57.53%		
20) Nitrobenzene-d5 (surr)	5.97	82	497712	58.46	ug/ml	-0.03
Spiked Amount 100.000	Range 35 - 114		Recovery =	58.46%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1102562	64.11	ug/ml	-0.04
Spiked Amount 100.000	Range 43 - 116		Recovery =	64.11%		
59) 2,4,6-Tribromophenol (sur	9.25	330	218424	135.00	ug/ml	-0.04
Spiked Amount 200.000	Range 10 - 123		Recovery =	67.50%		
71) Terphenyl-d14 (surr)	11.53	244	1034897	63.32	ug/ml	-0.05
Spiked Amount 100.000	Range 33 - 141		Recovery =	63.32%		

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.51	42	73152	20.05	ug/ml#	75
3) Pyridine	3.55	79	165499	16.97	ug/ml	99
6) Phenol	5.07	94	207551	18.43	ug/ml	92
7) Aniline	5.17	66	86012	18.11	ug/ml	98
8) bis(2-Chloroethyl)ether	5.18	63	119647	17.92	ug/ml	97
9) 2-Chlorophenol	5.27	128	159351	17.66	ug/ml	97
10) 1,3-Dichlorobenzene	5.41	146	192014	18.74	ug/ml	98
11) 1,4-Dichlorobenzene	5.45	146	190586	18.95	ug/ml	100
12) Benzyl alcohol	5.54	108	101642	16.81	ug/ml	100
13) 1,2-Dichlorobenzene	5.63	146	178594	18.74	ug/ml	99
14) 2-Methylphenol	5.61	108	156616	17.97	ug/ml	98
15) bis(2-Chloroisopropyl)ethe	5.66	45	201719	17.46	ug/ml	98
16) 4-Methylphenol	5.74	108	161166	17.73	ug/ml	100
17) N-Nitrosodi-n-propylamine	5.79	70	96624	17.02	ug/ml	98
18) Hexachloroethane	5.92	117	73837	18.81	ug/ml	99
21) Nitrobenzene	5.98	123	80954	18.25	ug/ml	88
22) Isophorone	6.19	82	278292	17.32	ug/ml	100
23) 2-Nitrophenol	6.29	139	98726	20.31	ug/ml	100
24) 2,4-Dimethylphenol	6.25	122	144367	18.04	ug/ml	98
25) Benzoic acid	6.34	105	333732	50.66	ug/ml	98

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

Data File : U:\DATA\C\C2743\C4903.D  
 Acq On : 28 Sep 2011 11:46 am  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2743 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 12:46 2011

Vial: 2  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.35	93	201104	18.09	ug/ml	99
27) 2,4-Dichlorophenol	6.50	162	128419	18.78	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.59	180	135576	19.69	ug/ml	95
29) Naphthalene	6.67	128	496533	18.68	ug/ml	99
30) 4-Chloroaniline	6.71	127	176023	16.49	ug/ml	99
31) Hexachlorobutadiene	6.81	225	72426	21.67	ug/ml	98
32) 4-Chloro-3-methylphenol	7.14	107	139639	18.73	ug/ml	94
33) 2-Methylnaphthalene	7.34	142	346958	18.99	ug/ml	99
35) Hexachlorocyclopentadiene	7.55	237	268398	86.95	ug/ml	99
36) 2,4,6-Trichlorophenol	7.63	196	84005	19.44	ug/ml	98
37) 2,4,5-Trichlorophenol	7.68	196	93143	19.51	ug/ml	98
39) 2-Chloronaphthalene	7.84	162	288741	18.52	ug/ml	99
40) 2-Nitroaniline	7.96	65	84892	18.03	ug/ml	98
41) Dimethylphthalate	8.11	163	338322	18.30	ug/ml	97
42) 2,6-Dinitrotoluene	8.22	165	71858	17.67	ug/ml	98
43) Acenaphthylene	8.28	152	477535	18.03	ug/ml	100
44) 3-Nitroaniline	8.38	138	68197	14.61	ug/ml	98
45) Acenaphthene	8.47	154	342777	19.02	ug/ml	99
46) 2,4-Dinitrophenol	8.47	184	92833	52.37	ug/ml	84
47) 4-Nitrophenol	8.49	65	185175	58.07	ug/ml	93
48) 2,4-Dinitrotoluene	8.62	165	104041	19.54	ug/ml	88
49) Dibenzofuran	8.62	168	431439	19.22	ug/ml	100
50) 2,3,4,6-Tetrachlorophenol	8.77	232	59255	20.34	ug/ml#	69
51) Diethylphthalate	8.81	149	356988	18.23	ug/ml	99
52) Fluorene	8.97	166	333987	18.41	ug/ml	99
53) 4-Chlorophenyl phenyl ethe	8.93	204	147155	19.48	ug/ml	99
54) 4-Nitroaniline	9.02	138	64710	14.48	ug/ml	91
56) 4,6-Dinitro-2-methylphenol	9.04	198	141343	54.31	ug/ml	94
57) N-Nitrosodiphenylamine	9.05	169	250005	17.99	ug/ml	100
58) 1,2-Diphenylhydrazine	9.09	77	370302	16.77	ug/ml	94
60) 4-Bromophenyl phenyl ether	9.43	248	77063	19.58	ug/ml	100
61) Hexachlorobenzene	9.62	284	73112	19.32	ug/ml	96
62) Pentachlorophenol	9.79	266	151476	60.18	ug/ml	99
63) Phenanthrene	9.97	178	471553	17.95	ug/ml	99
64) Anthracene	10.01	178	495079	18.12	ug/ml	98
65) Carbazole	10.15	167	242882	11.30	ug/ml	97
66) Di-n-butylphthalate	10.44	149	666690	17.06	ug/ml	99
67) Fluoranthene	11.20	202	505110	19.10	ug/ml#	91
69) Benzidine	11.28	184	569906	53.04	ug/ml	94
70) Pyrene	11.44	202	524132	17.43	ug/ml	91
72) Butylbenzylphthalate	12.04	149	301677	15.81	ug/ml	98

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

Data File : U:\DATA\C\C2743\C4903.D  
 Acq On : 28 Sep 2011 11:46 am  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2743 8270A  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 12:46 2011

Vial: 2  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.84	252	63197	10.24	ug/ml	100
74) bis(2-Ethylhexyl)phthalate	12.74	149	447147	15.67	ug/ml	100
75) Benzo(a)anthracene	12.92	228	476574	18.50	ug/ml#	91
76) Chrysene	13.00	228	456726	18.53	ug/ml#	88
78) Di-n-octylphthalate	13.74	149	759988m	16.06	ug/ml	
79) Benzo(b)fluoranthene	14.97	252	445029	19.05	ug/ml#	88
80) Benzo(k)fluoranthene	15.02	252	425427	18.83	ug/ml#	88
81) Benzo(a)pyrene	15.80	252	411316	18.96	ug/ml#	85
82) Indeno(1,2,3-cd)pyrene	19.41	276	410251	18.89	ug/ml#	78
83) Dibenz(a,h)anthracene	19.43	278	335046	18.73	ug/ml	98
84) Benzo(g,h,i)perylene	20.51	276	337745	19.66	ug/ml#	82



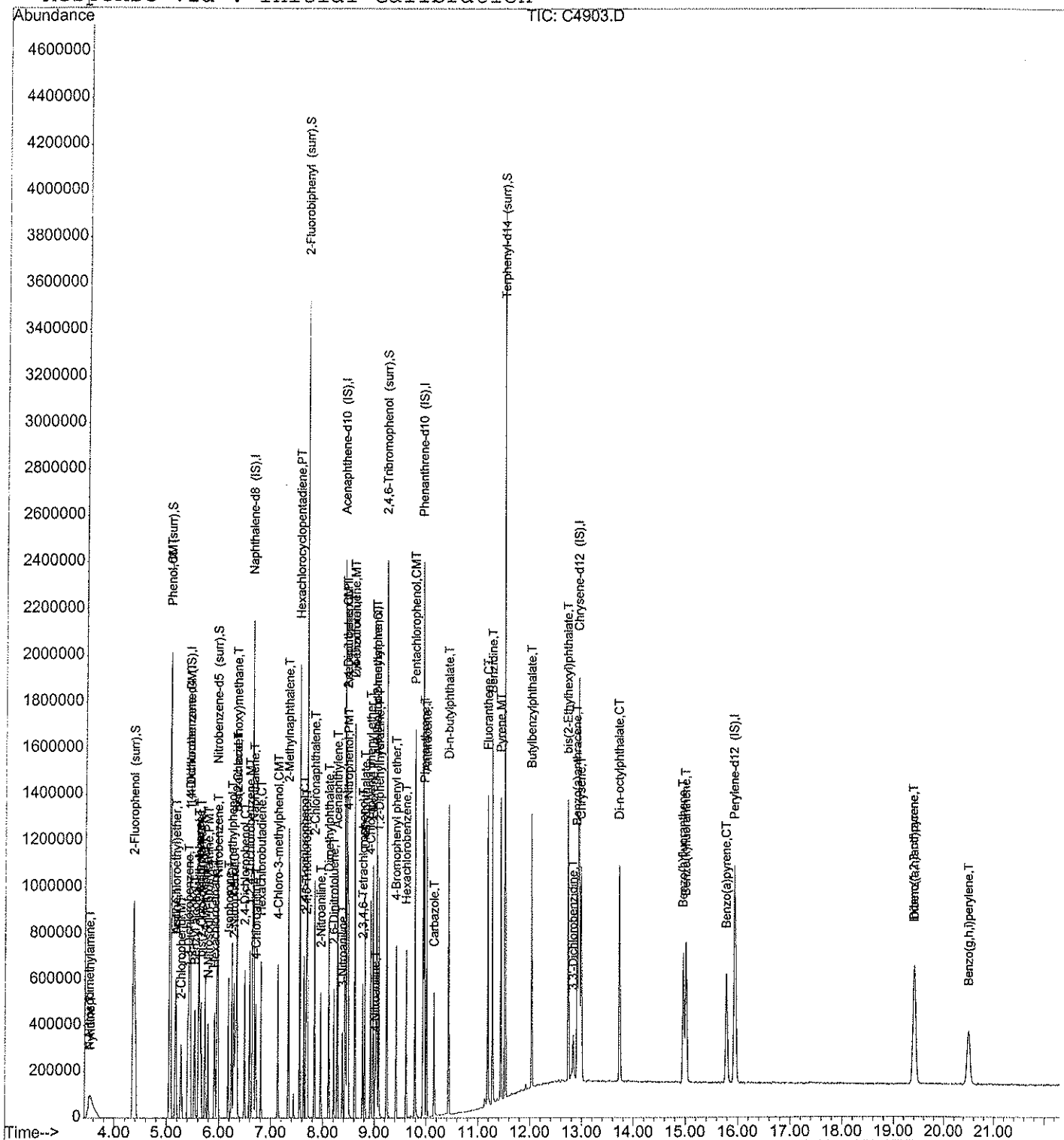
Quantitation Report

Data File : U:\DATA\C\C2743\C4903.D  
Acq On : 28 Sep 2011 11:46 am  
Sample : SSTD020  
Misc : ;1;L;1.00;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 28 12:46 2011

Vial: 2  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : U:\DATA\C\C2743\C4903.D  
 Acq On : 28 Sep 2011 11:46 am  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2743 8270A  
 MS Integration Params: RTEINT.P

Vial: 2  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4 (IS)		1.000	1.000	0.0	109	-0.03
2 T	N-Nitrosodimethylamine		0.598	0.599	-0.2	108	-0.03
3 T	Pyridine		1.598	1.356	15.1	90	-0.03
4 S	2-Fluorophenol (surr)		1.334	1.217	8.8	97	-0.03
5 S	Phenol-d6 (surr)		1.634	1.567	4.1	101	-0.03
6 CMT	Phenol		1.845	1.700	7.9	98	-0.03
7 T	Aniline		0.778	0.705	9.4	96	-0.03
8 T	bis(2-Chloroethyl) ether		1.094	0.980	10.4	94	-0.03
9 MT	2-Chlorophenol		1.479	1.305	11.8	94	-0.03
10 T	1,3-Dichlorobenzene		1.679	1.573	6.3	101	-0.03
11 CMT	1,4-Dichlorobenzene		1.648	1.561	5.3	97	-0.03
12 T	Benzyl alcohol		0.990	0.833	15.9	89	-0.03
13 T	1,2-Dichlorobenzene		1.562	1.463	6.3	100	-0.03
14 T	2-Methylphenol		1.428	1.283	10.2	96	-0.03
15 T	bis(2-Chloroisopropyl) ether		1.893	1.653	12.7	93	-0.03
16 T	4-Methylphenol		1.490	1.320	11.4	94	-0.03
17 PMT	N-Nitrosodi-n-propylamine		0.930	0.792	14.8	92	-0.03
18 T	Hexachloroethane		0.643	0.605	5.9	101	-0.03
19 I	Naphthalene-d8 (IS)		1.000	1.000	0.0	110	-0.04
20 S	Nitrobenzene-d5 (surr)		0.346	0.337	2.6	103	-0.03
21 T	Nitrobenzene		0.180	0.164	8.9	97	-0.04
22 T	Isophorone		0.652	0.565	13.3	91	-0.03
23 CT	2-Nitrophenol		0.196	0.200	-2.0	108	-0.03
24 T	2,4-Dimethylphenol		0.325	0.293	9.8	95	-0.03
25 T	Benzoic acid		0.267	0.226	15.4	89	-0.04
26 T	bis(2-Chloroethoxy) methane		0.451	0.408	9.5	96	-0.03
27 CT	2,4-Dichlorophenol		0.278	0.261	6.1	101	-0.03
28 MT	1,2,4-Trichlorobenzene		0.280	0.275	1.8	106	-0.04
29 T	Naphthalene		1.079	1.008	6.6	100	-0.03
30 T	4-Chloroaniline		0.433	0.357	17.6	89	-0.03
31 CT	Hexachlorobutadiene		0.136	0.147	-8.1	114	-0.03
32 CMT	4-Chloro-3-methylphenol		0.303	0.283	6.6	100	-0.03
33 T	2-Methylnaphthalene		0.742	0.704	5.1	101	-0.04
34 I	Acenaphthene-d10 (IS)		1.000	1.000	0.0	115	-0.04
35 PT	Hexachlorocyclopentadiene		0.218	0.316	-45.0#	157	-0.04
36 CT	2,4,6-Trichlorophenol		0.306	0.297	2.9	108	-0.04
37 T	2,4,5-Trichlorophenol		0.338	0.329	2.7	108	-0.04
38 S	2-Fluorobiphenyl (surr)		1.216	1.299	-6.8	118	-0.04
39 T	2-Chloronaphthalene		1.102	1.021	7.4	104	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : U:\DATA\C\C2743\C4903.D  
 Acq On : 28 Sep 2011 11:46 am  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2743 8270A  
 MS Integration Params: RTEINT.P

Vial: 2  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40 T	2-Nitroaniline	0.333	0.300	9.9	101	-0.04
41 T	Dimethylphthalate	1.307	1.196	8.5	101	-0.04
42 T	2,6-Dinitrotoluene	0.288	0.254	11.8	97	-0.04
43 T	Acenaphthylene	1.873	1.688	9.9	100	-0.04
44 T	3-Nitroaniline	0.330	0.241	27.0#	83	-0.04
45 CMT	Acenaphthene	1.274	1.212	4.9	104	-0.04
46 PT	2,4-Dinitrophenol	0.125	0.109	12.8	96	-0.04
47 PMT	4-Nitrophenol	0.225	0.218	3.1	108	-0.04
48 MT	2,4-Dinitrotoluene	0.376	0.368	2.1	108	-0.05
49 T	Dibenzofuran	1.587	1.525	3.9	107	-0.04
50 T	2,3,4,6-Tetrachlorophenol	0.206	0.209	-1.5	112	0.08
51 T	Diethylphthalate	1.385	1.262	8.9	101	-0.04
52 T	Fluorene	1.283	1.181	8.0	103	-0.04
53 T	4-Chlorophenyl phenyl ether	0.534	0.520	2.6	110	-0.04
54 T	4-Nitroaniline	0.316	0.229	27.5#	81	-0.04
55 I	Phenanthrene-d10 (IS)	1.000	1.000	0.0	122	-0.05
56 T	4,6-Dinitro-2-methylphenol	0.119	0.108	9.2	108	-0.05
57 CT	N-Nitrosodiphenylamine	0.635	0.571	10.1	107	-0.05
58 T	1,2-Diphenylhydrazine	1.009	0.846	16.2	99	-0.04
59 S	2,4,6-Tribromophenol (surr)	0.074	0.083	-12.2	131	-0.04
60 T	4-Bromophenyl phenyl ether	0.180	0.176	2.2	116	-0.04
61 T	Hexachlorobenzene	0.173	0.167	3.5	115	-0.05
62 CMT	Pentachlorophenol	0.115	0.115	0.0	118	-0.04
63 T	Phenanthrene	1.200	1.077	10.3	107	-0.05
64 T	Anthracene	1.248	1.131	9.4	107	-0.05
65 T	Carbazole	0.982	0.555	43.5#	74	-0.05
66 T	Di-n-butylphthalate	1.785	1.523	14.7	100	-0.05
67 CT	Fluoranthene	1.208	1.154	4.5	114	-0.05
68 I	Chrysene-d12 (IS)	1.000	1.000	0.0	133	-0.09
69 T	Benzidine	0.503	0.445	11.5	109	-0.05
70 MT	Pyrene	1.408	1.227	12.9	114	-0.06
71 S	Terphenyl-d14 (surr)	0.765	0.808	-5.6	136	-0.05
72 T	Butylbenzylphthalate	0.893	0.706	20.9#	102	-0.07
73 T	3,3'-Dichlorobenzidine	0.289	0.148	48.8#	76	-0.09
74 T	bis(2-Ethylhexyl)phthalate	1.336	1.047	21.6#	100	-0.09
75 T	Benzo(a)anthracene	1.206	1.116	7.5	120	-0.09
76 T	Chrysene	1.154	1.069	7.4	121	-0.09
77 I	Perylene-d12 (IS)	1.000	1.000	0.0	130	-0.18

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : U:\DATA\C\C2743\C4903.D Vial: 2  
 Acq On : 28 Sep 2011 11:46 am Operator: ALR  
 Sample : SSTD020 Inst : GC/MS Ins  
 Misc : ;1;L;1.00;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
78 CT	Di-n-octylphthalate	2.584	2.076	19.7	101	-0.12
79 T	Benzo(b)fluoranthene	1.276	1.215	4.8	120	-0.16
80 T	Benzo(k)fluoranthene	1.234	1.162	5.8	116	-0.16
81 CT	Benzo(a)pyrene	1.185	1.123	5.2	118	-0.18
82 T	Indeno(1,2,3-cd)pyrene	1.186	1.120	5.6	118	-0.32
83 T	Dibenz(a,h)anthracene	0.977	0.915	6.3	117	-0.30
84 T	Benzo(g,h,i)perylene	0.939	0.922	1.8	124	-0.33

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

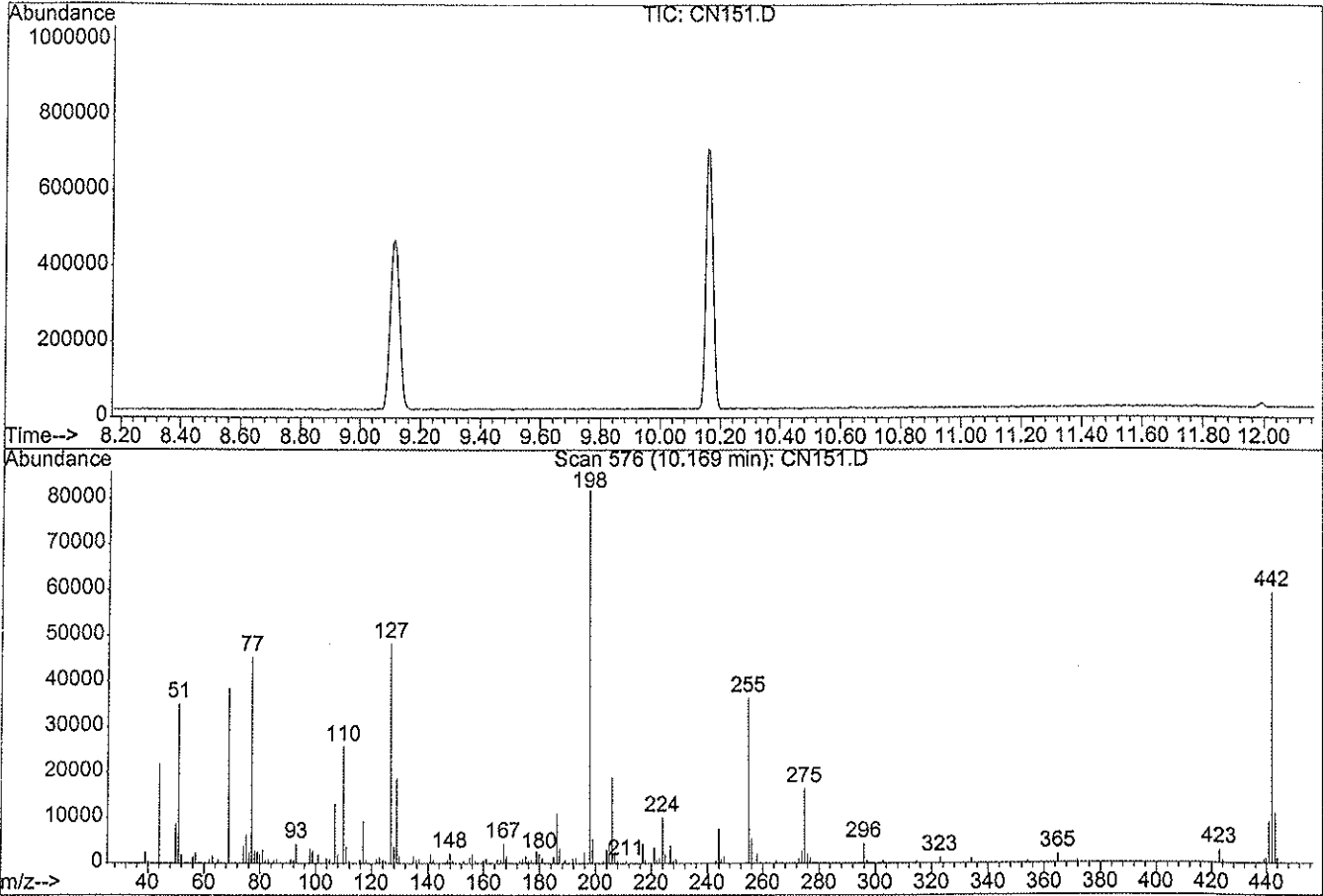
## **Semivolatile Raw QC Data**

**Environmental Quality Services, Inc.**

DFTPP

Data File : U:\DATA\C\C2732\CN151.D  
 Acq On : 9 Sep 2011 10:44 am  
 Sample : 50ngDFTPP  
 Misc : ;1;L;1.00;1.00; C2732 DFTPP  
 MS Integration Params: RTEINT.P  
 Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A

Vial: 1  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00



Spectrum Information: Scan 576

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.8	35080	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.2	38632	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	59.0	48288	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	81888	PASS
199	198	5	9	6.5	5292	PASS
275	198	10	30	20.1	16480	PASS
365	198	1	100	2.5	2042	PASS
441	443	0.01	100	82.0	9094	PASS
442	198	40	110	72.6	59440	PASS
443	442	17	23	18.7	11090	PASS

Scan 576 (10.169 min): CN151.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	3	68.90	47	84.90	1	107.90	2
40.00	1	74.00	5	85.90	1	109.90	31
44.00	27	75.00	8	90.90	1	110.90	5
50.00	11	76.00	3	91.90	1	112.00	1
51.00	43	77.00	55	92.90	5	115.90	1
52.00	2	78.00	3	97.90	4	116.90	11
56.00	2	79.00	3	98.90	4	117.90	1
57.00	3	80.00	2	100.90	2	121.90	1
61.90	1	80.90	4	103.90	1	122.90	2
63.00	2	81.90	1	105.00	1	123.90	1
65.10	1	82.90	1	106.90	16	124.90	1

Scan 576 (10.169 min): CN151.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
126.90	59	148.90	1	172.90	1	188.90	1
127.90	4	152.90	1	173.90	1	191.90	1
128.90	23	155.00	2	175.00	2	192.90	1
129.90	2	156.00	3	176.00	1	195.90	3
134.90	2	157.00	1	176.90	1	197.90	100
135.90	1	159.90	1	178.90	3	198.90	6
137.00	1	160.90	1	179.90	3	202.90	1
140.90	3	164.90	1	180.90	1	204.00	4
141.90	1	166.00	1	184.90	2	204.90	5
147.00	1	167.00	5	186.00	13	206.00	23
147.90	3	168.00	2	187.00	4	207.00	3

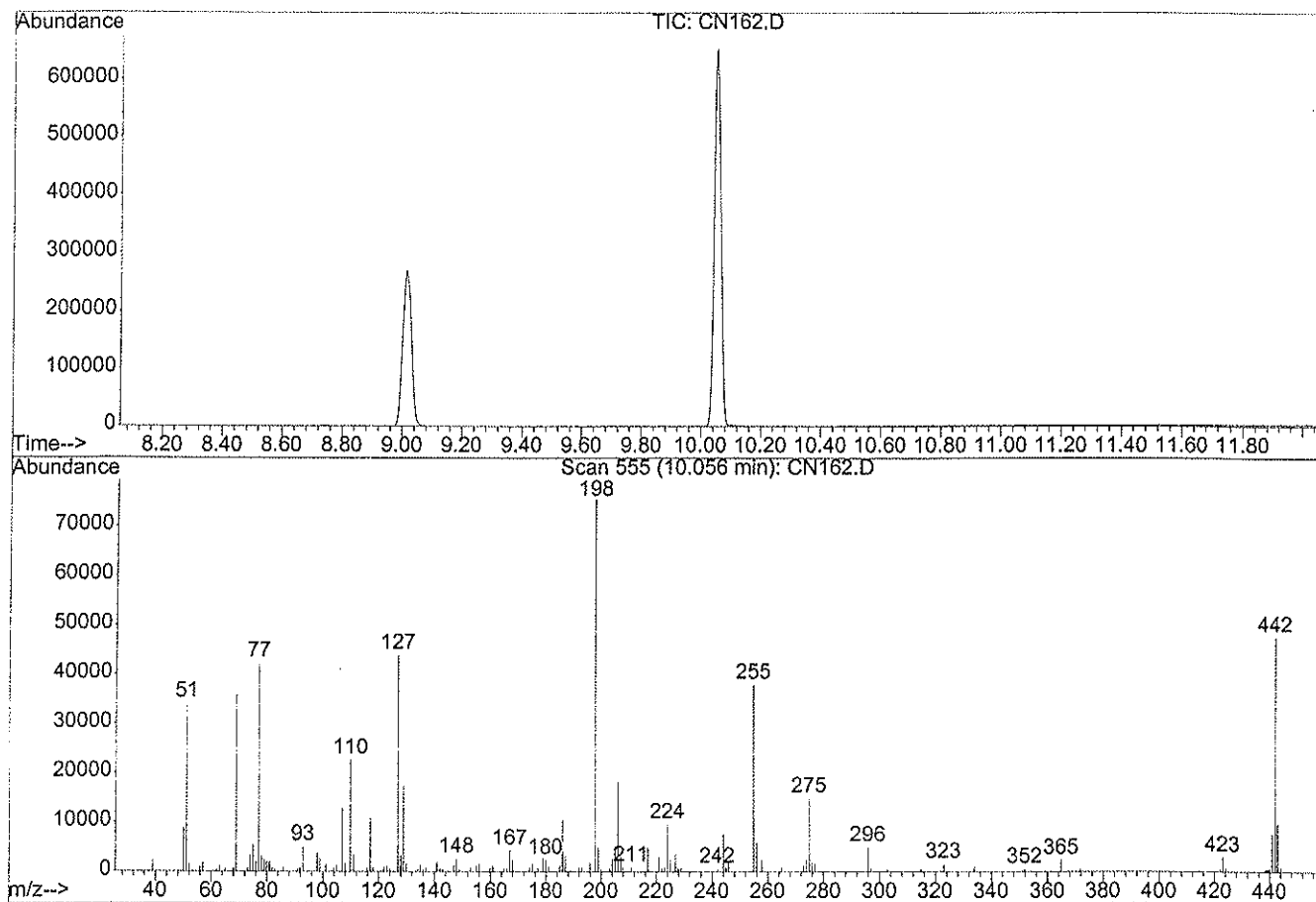
Scan 576 (10.169 min): CN151.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.90	1	228.90	1	274.90	20	371.90	1
211.00	1	243.00	1	276.00	2	422.90	4
216.90	5	244.00	9	276.90	2	424.00	1
217.90	1	244.90	1	295.90	5	439.00	1
220.90	4	245.90	2	296.90	1	439.80	1
221.80	1	254.90	44	302.90	1	440.90	11
222.90	1	255.90	7	314.80	1	442.00	73
224.00	12	257.90	3	323.00	2	443.00	14
225.00	3	264.90	1	334.00	1	443.90	1
226.90	5	272.90	1	354.00	1		
227.90	1	273.90	3	364.90	2		

DFTPP

Data File : U:\DATA\C\C2743\CN162.D  
 Acq On : 28 Sep 2011 11:22 am  
 Sample : 50ngDFTPP  
 Misc : ;1;L;1.00;1.00; C2743 DFTPP  
 MS Integration Params: RTEINT.P  
 Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A

Vial: 1  
 Operator: ALR  
 Inst : GC/MS Ins  
 Multiplr: 1.00



Spectrum Information: Scan 555

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.0	34024	PASS
68	69	0.00	2	1.9	687	PASS
69	198	0.00	100	47.6	35976	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.1	43904	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	75568	PASS
199	198	5	9	6.6	4987	PASS
275	198	10	30	19.7	14891	PASS
365	198	1	100	3.2	2383	PASS
441	443	0.01	100	78.1	7625	PASS
442	198	40	110	62.9	47552	PASS
443	442	17	23	20.5	9765	PASS



Scan 555 (10.056 min): CN162.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	3	73.00	1	85.90	1	109.90	30
50.00	12	73.90	4	91.00	1	111.00	5
51.00	45	75.00	7	91.90	1	115.90	1
52.00	2	76.00	3	92.90	7	116.90	14
56.00	1	77.00	56	97.90	5	118.00	1
57.00	3	78.00	4	98.90	4	121.90	1
61.90	1	79.00	3	101.00	2	123.00	2
63.00	2	79.90	3	103.90	1	123.90	1
65.00	1	80.90	3	104.90	2	126.90	58
68.00	1	81.90	1	106.90	17	128.00	4
68.90	48	82.90	1	108.00	2	128.90	23

Scan 555 (10.056 min): CN162.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.90	2	152.90	1	177.00	1	197.90	100
133.90	1	155.00	2	178.90	4	198.90	7
134.90	2	156.00	2	179.90	3	199.90	1
135.90	1	159.90	1	180.80	1	203.00	1
136.90	1	160.90	2	185.00	2	203.90	3
140.90	3	164.90	1	186.00	14	205.00	6
141.90	1	165.90	1	186.90	4	206.00	24
142.90	1	167.00	6	188.90	1	207.00	4
147.00	2	168.00	3	192.00	1	207.90	1
147.90	3	174.00	1	193.00	1	210.90	1
149.00	1	175.00	2	195.90	3	216.90	7

Scan 555 (10.056 min): CN162.D  
50ngDFTPP

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
220.90	4	245.90	2	296.90	1	438.40	1
221.80	1	254.90	50	302.90	1	439.00	1
222.90	1	255.90	8	314.90	1	439.40	1
224.00	13	257.90	3	323.00	2	440.00	1
224.90	3	264.90	1	333.90	1	440.90	10
226.90	5	272.90	2	351.90	1	442.00	63
227.90	1	273.90	4	364.90	3	442.90	13
228.90	1	274.90	20	371.90	1	444.00	1
241.90	1	275.90	3	422.00	1		
244.00	10	276.90	2	423.00	4		
244.90	1	295.90	7	424.00	1		

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK-06

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: SBLK-06Sample wt/vol: 1000 (g/mL) mLLab File ID: CA2743-4904Level: (Low/Med) LowDate Received: NA% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	0.50	U
50-32-8	Benzo(a)pyrene	0.91	U
51-28-5	2,4-Dinitrophenol	4.51	U
53-70-3	Dibenz(a,h)anthracene	0.87	U
56-55-3	Benzo(a)anthracene	1.03	U
58-90-2	2,3,4,6-Tetrachlorophenol	1.07	U
59-50-7	4-Chloro-3-methylphenol	0.53	U
62-53-3	Aniline	0.23	U
62-75-9	N-Nitrosodimethylamine	0.73	U
65-85-0	Benzoic acid	10.3	U
67-72-1	Hexachloroethane	0.99	U
77-47-4	Hexachlorocyclopentadiene	0.38	U
78-59-1	Isophorone	0.70	U
83-32-9	Acenaphthene	1.02	U
84-66-2	Diethyl phthalate	1.07	U
84-74-2	Di-n-butyl phthalate	0.97	U
85-01-8	Phenanthrene	0.90	U
85-68-7	Butyl benzyl phthalate	1.33	U
86-30-6	N-Nitrosodiphenylamine	1.10	U
86-73-7	Fluorene	0.91	U
86-74-8	Carbazole	1.08	U
87-68-3	Hexachlorobutadiene	1.05	U
87-86-5	Pentachlorophenol	0.81	U
88-06-2	2,4,6-Trichlorophenol	0.75	U
88-74-4	2-Nitroaniline	0.77	U
88-75-5	2-Nitrophenol	1.03	U
91-20-3	Naphthalene	0.87	U
91-57-6	2-Methylnaphthalene	0.82	U
91-58-7	2-Chloronaphthalene	0.92	U
91-94-1	3,3'-Dichlorobenzidine	0.68	U
92-87-5	Benzidine	28.5	U
95-48-7	2-Methylphenol	0.50	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK-06

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: SBLK-06Sample wt/vol: 1000 (g/mL) mLLab File ID: CA2743-4904Level: (Low/Med) LowDate Received: NA% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000 uLDate Analyzed: 09/28/11Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	0.71	U
95-57-8	2-Chlorophenol	0.63	U
95-95-4	2,4,5-Trichlorophenol	0.59	U
98-95-3	Nitrobenzene	0.91	U
99-09-2	3-Nitroaniline	0.60	U
100-01-6	4-Nitroaniline	1.07	U
100-02-7	4-Nitrophenol	2.04	U
100-51-6	Benzyl alcohol	0.48	U
101-55-3	4-Bromophenyl phenyl ether	0.85	U
105-67-9	2,4-Dimethylphenol	1.03	U
106-44-5	3+4-Methylphenol	0.17	U
106-46-7	1,4-Dichlorobenzene	0.74	U
106-47-8	4-Chloroaniline	0.47	U
108-60-1	bis(2-Chloroisopropyl)ether	0.77	U
108-95-2	Phenol	0.25	U
110-86-1	Pyridine	0.37	U
111-44-4	bis(2-Chloroethyl)ether	0.57	U
111-91-1	bis(2-Chloroethoxy)methane	0.95	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.44	U
117-84-0	Di-n-octyl phthalate	1.11	U
118-74-1	Hexachlorobenzene	0.73	U
120-12-7	Anthracene	0.84	U
120-82-1	1,2,4-Trichlorobenzene	0.92	U
120-83-2	2,4-Dichlorophenol	0.98	U
121-14-2	2,4-Dinitrotoluene	0.62	U
122-66-7	1,2-Diphenylhydrazine	0.87	U
129-00-0	Pyrene	1.01	U
131-11-3	Dimethyl phthalate	1.02	U
132-64-9	Dibenzofuran	0.80	U
191-24-2	Benzo(g,h,i)perylene	1.05	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.95	U
205-99-2	Benzo(b)fluoranthene	0.92	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK-06

Lab Name: ENVIROMENTAL QUALITY SERVICESContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: SBLK-06Sample wt/vol: 1000 (g/mL) mLLab File ID: CA2743-4904Level: (Low/Med) LowDate Received: NA% Moisture: 100 decanted:(Y/N) NDate Extracted: 09/28/11Concentrated Extract Volume: 1000  $\mu$ LDate Analyzed: 09/28/11Injection Volume: 0.5 ( $\mu$ L)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	0.86	U
207-08-9	Benzo(k)fluoranthene	1.04	U
208-96-8	Acenaphthylene	0.93	U
218-01-9	Chrysene	0.95	U
534-52-1	4,6-Dinitro-2-methylphenol	0.82	U
541-73-1	1,3-Dichlorobenzene	0.82	U
606-20-2	2,6-Dinitrotoluene	0.98	U
621-64-7	N-Nitrosodi-n-propylamine	0.74	U
7005-72-3	4-Chlorophenyl phenyl ether	0.92	U

Data File : U:\DATA\C\C2743\C4904.D Vial: 3  
 Acq On : 28 Sep 2011 2:41 pm Operator: ALR  
 Sample : SBLK-06 Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 15:12 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.44	152	245102	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.66	136	1002246	40.00	ug/ml	-0.03
34) Acenaphthene-d10 (IS)	8.44	164	581235	40.00	ug/ml	-0.03
55) Phenanthrene-d10 (IS)	9.95	188	920726	40.00	ug/ml	-0.04
68) Chrysene-d12 (IS)	12.97	240	851168	40.00	ug/ml	-0.08
77) Perylene-d12 (IS)	15.97	264	663593	40.00	ug/ml	-0.16

System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.38	112	1210366	148.12	ug/ml	-0.02
Spiked Amount	200.000	Range	21 - 110	Recovery	=	74.06%
5) Phenol-d6 (surr)	5.07	99	1523734	152.17	ug/ml	-0.02
Spiked Amount	200.000	Range	10 - 110	Recovery	=	76.08%
20) Nitrobenzene-d5 (surr)	5.97	82	634175	73.22	ug/ml	-0.03
Spiked Amount	100.000	Range	35 - 114	Recovery	=	73.22%
38) 2-Fluorobiphenyl (surr)	7.71	172	1427879	80.81	ug/ml	-0.03
Spiked Amount	100.000	Range	43 - 116	Recovery	=	80.81%
59) 2,4,6-Tribromophenol (sur)	9.25	330	292808	172.08	ug/ml	-0.04
Spiked Amount	200.000	Range	10 - 123	Recovery	=	86.04%
71) Terphenyl-d14 (surr)	11.54	244	1479999	90.87	ug/ml	-0.04
Spiked Amount	100.000	Range	33 - 141	Recovery	=	90.87%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
<del>29) Naphthalene</del>	<del>6.68</del>	<del>128</del>	<del>9376</del>	<del>0.35</del>	<del>ug/ml</del>	<del>98</del>

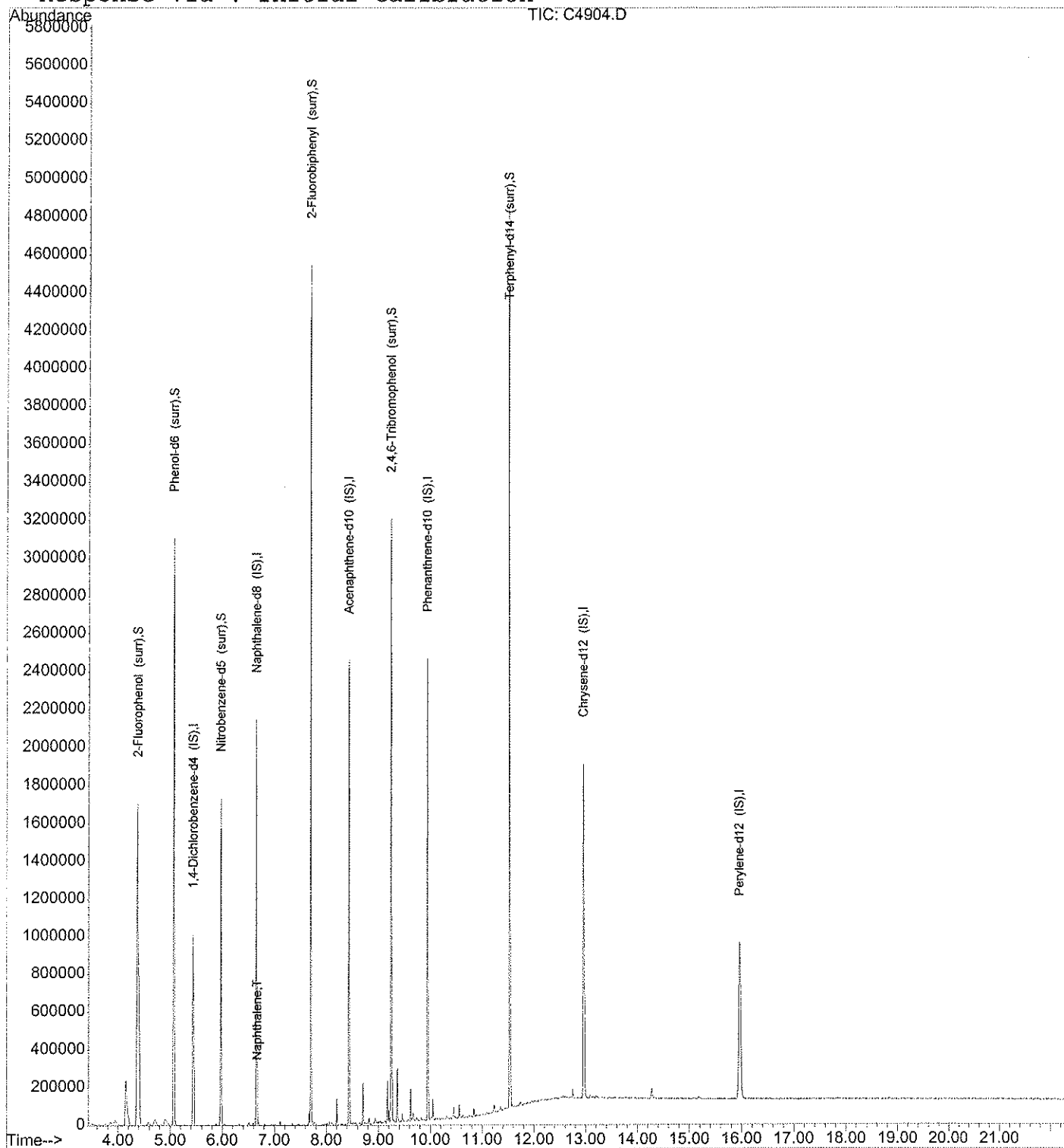
Quantitation Report

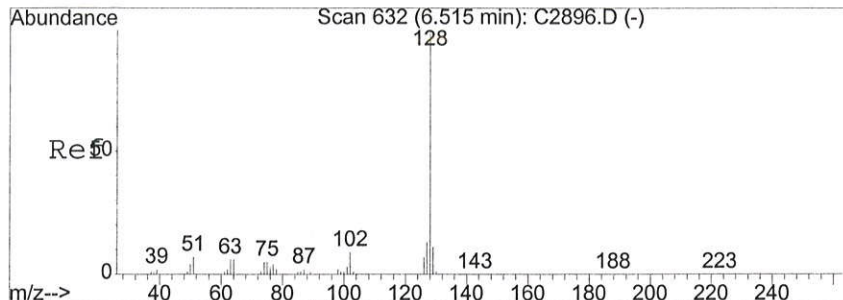
Data File : U:\DATA\C\C2743\C4904.D  
Acq On : 28 Sep 2011 2:41 pm  
Sample : SBLK-06  
Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 28 15:12 2011

Vial: 3  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

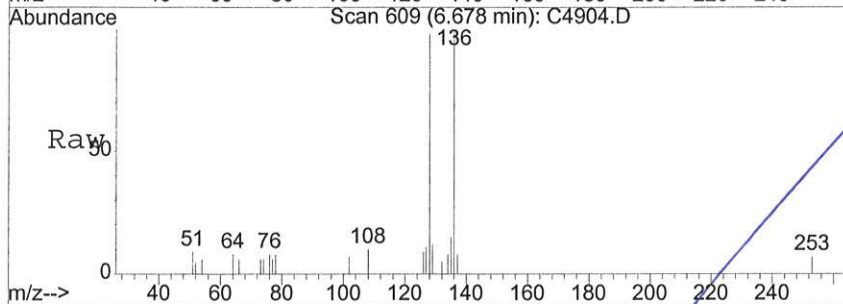
Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration





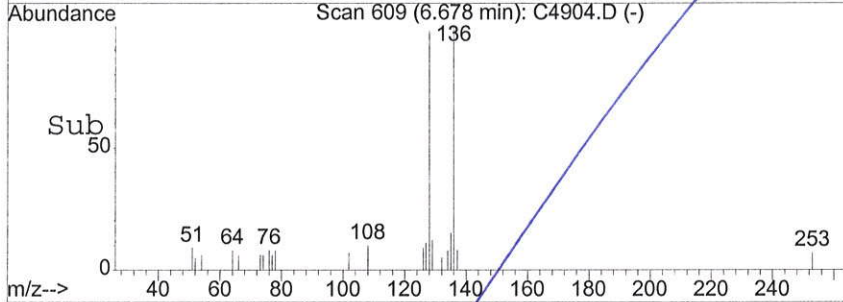
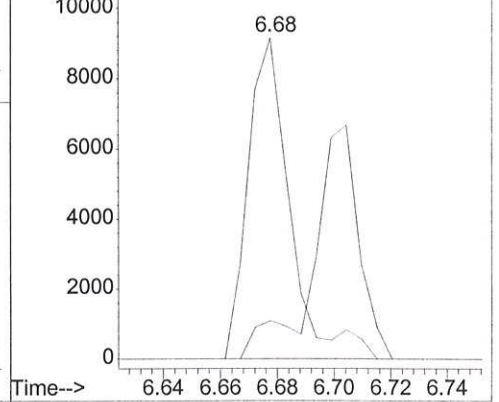
#29  
 Naphthalene  
 Concen: 0.35 ug/ml  
 RT: 6.68 min Scan# 609  
 Delta R.T. -0.03 min  
 Lab File: C4904.D  
 Acq: 28 Sep 2011 2:41 pm

Tgt Ion: 128 Resp: 9376  
 Ion Ratio Lower Upper  
 128 100  
 129 11.8 8.8 13.2



Abundance

Ion 128.00 (127.65 to 128.70): C4904.D  
 Ion 129.00 (128.65 to 129.70): C4904.D



Data File : U:\DATA\C\C2743\C4905.D

Vial: 4

Acq On : 28 Sep 2011 3:12 pm

Operator: ALR

Sample : MSB-06

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 28 16:00 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I	5.44	152	258150	40.00	ug/ml	-0.03
19) Naphthalene-d8 (IS)	6.65	136	1040300	40.00	ug/ml	-0.04
34) Acenaphthene-d10 (IS)	8.43	164	604227	40.00	ug/ml	-0.04
55) Phenanthrene-d10 (IS)	9.94	188	949593	40.00	ug/ml	-0.05
68) Chrysene-d12 (IS)	12.96	240	926713	40.00	ug/ml	-0.09
77) Perylene-d12 (IS)	15.95	264	805491	40.00	ug/ml	-0.18

## System Monitoring Compounds

4) 2-Fluorophenol (surr)	4.37	112	783803	91.07	ug/ml	-0.02
Spiked Amount 200.000	Range 21 - 110		Recovery =	45.53%		
5) Phenol-d6 (surr)	5.07	99	1002619	95.07	ug/ml	-0.02
Spiked Amount 200.000	Range 10 - 110		Recovery =	47.53%		
20) Nitrobenzene-d5 (surr)	5.96	82	413754	46.03	ug/ml	-0.04
Spiked Amount 100.000	Range 35 - 114		Recovery =	46.03%		
38) 2-Fluorobiphenyl (surr)	7.70	172	1046359	56.96	ug/ml	-0.04
Spiked Amount 100.000	Range 43 - 116		Recovery =	56.96%		
59) 2,4,6-Tribromophenol (sur	9.24	330	253953	144.71	ug/ml	-0.05
Spiked Amount 200.000	Range 10 - 123		Recovery =	72.36%		
71) Terphenyl-d14 (surr)	11.53	244	1280348	72.21	ug/ml	-0.06
Spiked Amount 100.000	Range 33 - 141		Recovery =	72.21%		

## Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) N-Nitrosodimethylamine	3.51	42	76199	19.75	ug/ml	86
3) Pyridine	3.53	79	157112	15.23	ug/ml	99
6) Phenol	5.08	94	206464	17.34	ug/ml	98
7) Aniline	5.17	66	63580	12.66	ug/ml	94
8) bis(2-Chloroethyl)ether	5.17	63	115454	16.35	ug/ml	99
9) 2-Chlorophenol	5.28	128	164041	17.19	ug/ml	100
10) 1,3-Dichlorobenzene	5.40	146	192277	17.74	ug/ml	100
11) 1,4-Dichlorobenzene	5.45	146	191777	18.03	ug/ml	98
12) Benzyl alcohol	5.54	108	102870	16.09	ug/ml	97
13) 1,2-Dichlorobenzene	5.63	146	181564	18.02	ug/ml	99
14) 2-Methylphenol	5.61	108	155553	16.88	ug/ml	98
15) bis(2-Chloroisopropyl)ethe	5.65	45	191219	15.65	ug/ml	97
16) 4-Methylphenol	5.74	108	159007	16.54	ug/ml	90
17) N-Nitrosodi-n-propylamine	5.79	70	98602	16.43	ug/ml	91
18) Hexachloroethane	5.92	117	71552	17.24	ug/ml	100
21) Nitrobenzene	5.99	123	83457	17.82	ug/ml	98
22) Isophorone	6.18	82	328994	19.39	ug/ml	96
23) 2-Nitrophenol	6.29	139	87684	17.09	ug/ml	99
24) 2,4-Dimethylphenol	6.25	122	152129	18.01	ug/ml	100
25) Benzoic acid	6.33	105	220964	31.77	ug/ml	98

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

C4905.D C\_8270A.M Thu Oct 13 10:05:35 2011



Data File : U:\DATA\C\C2743\C4905.D

Vial: 4

Acq On : 28 Sep 2011 3:12 pm

Operator: ALR

Sample : MSB-06

Inst : GC/MS Ins

Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Sep 28 16:00 2011

Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)

Title : C\_8270A

Last Update : Wed Sep 28 10:35:52 2011

Response via : Initial Calibration

DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) bis(2-Chloroethoxy)methane	6.34	93	192188	16.37	ug/ml	100
27) 2,4-Dichlorophenol	6.49	162	137434	19.04	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.59	180	152205	20.93	ug/ml	98
29) Naphthalene	6.67	128	527864	18.81	ug/ml	99
30) 4-Chloroaniline	6.71	127	170664	15.14	ug/ml	100
31) Hexachlorobutadiene	6.81	225	73838	20.92	ug/ml	98
32) 4-Chloro-3-methylphenol	7.13	107	163046	20.71	ug/ml	94
33) 2-Methylnaphthalene	7.34	142	364706	18.91	ug/ml	99
35) Hexachlorocyclopentadiene	7.55	237	67408	20.45	ug/ml	96
36) 2,4,6-Trichlorophenol	7.63	196	101397	21.97	ug/ml	99
37) 2,4,5-Trichlorophenol	7.67	196	116289	22.81	ug/ml	96
39) 2-Chloronaphthalene	7.84	162	327239	19.65	ug/ml	100
40) 2-Nitroaniline	7.96	65	94948	18.88	ug/ml	96
41) Dimethylphthalate	8.12	163	460128	23.30	ug/ml	94
42) 2,6-Dinitrotoluene	8.21	165	98069	22.58	ug/ml	96
43) Acenaphthylene	8.28	152	579321	20.47	ug/ml	100
44) 3-Nitroaniline	8.38	138	92025	18.46	ug/ml	96
45) Acenaphthene	8.46	154	369610	19.21	ug/ml	93
46) 2,4-Dinitrophenol	8.48	184	25376	13.40	ug/ml	97
47) 4-Nitrophenol	8.49	65	73592	21.61	ug/ml	93
48) 2,4-Dinitrotoluene	8.62	165	141657	24.91	ug/ml	99
49) Dibenzofuran	8.62	168	526586	21.97	ug/ml	97
50) 2,3,4,6-Tetrachlorophenol	8.73	232	84685	27.21	ug/ml#	83
51) Diethylphthalate	8.81	149	516670	24.70	ug/ml	99
52) Fluorene	8.97	166	460777	23.78	ug/ml	100
53) 4-Chlorophenyl phenyl ethe	8.92	204	192375	23.85	ug/ml	98
54) 4-Nitroaniline	9.01	138	92750	19.43	ug/ml	93
56) 4,6-Dinitro-2-methylphenol	9.04	198	49621	17.58	ug/ml	97
57) N-Nitrosodiphenylamine	9.05	169	397634	26.38	ug/ml	99
58) 1,2-Diphenylhydrazine	9.08	77	444410	18.56	ug/ml	94
60) 4-Bromophenyl phenyl ether	9.43	248	104557	24.50	ug/ml	99
61) Hexachlorobenzene	9.62	284	102685	25.02	ug/ml	100
62) Pentachlorophenol	9.79	266	65236	23.89	ug/ml	98
63) Phenanthrene	9.97	178	692876	24.32	ug/ml	100
64) Anthracene	10.01	178	693550	23.41	ug/ml	98
65) Carbazole	10.16	167	633808	27.18	ug/ml#	97
66) Di-n-butylphthalate	10.44	149	998293	23.55	ug/ml	100
67) Fluoranthene	11.19	202	775527	27.04	ug/ml#	91
69) Benzidine	11.28	184	44557	3.82	ug/ml#	93
70) Pyrene	11.45	202	802956	24.61	ug/ml#	88
72) Butylbenzylphthalate	12.04	149	461751	22.31	ug/ml	93

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

C4905.D C\_8270A.M Thu Oct 13 10:05:37 2011

Data File : U:\DATA\C\C2743\C4905.D Vial: 4  
 Acq On : 28 Sep 2011 3:12 pm Operator: ALR  
 Sample : MSB-06 Inst : GC/MS Ins  
 Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A Multiplr: 1.00  
 MS Integration Params: RTEINT.P  
 Quant Time: Sep 28 16:00 2011 Quant Results File: C\_8270A.RES

Quant Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
 Title : C\_8270A  
 Last Update : Wed Sep 28 10:35:52 2011  
 Response via : Initial Calibration  
 DataAcq Meth : C\_8270A

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
73) 3,3'-Dichlorobenzidine	12.84	252	404949	60.47	ug/ml	99
74) bis(2-Ethylhexyl)phthalate	12.74	149	702296	22.69	ug/ml	98
75) Benzo(a)anthracene	12.92	228	703570	25.18	ug/ml#	91
76) Chrysene	13.00	228	674457	25.22	ug/ml#	87
78) Di-n-octylphthalate	13.74	149	1139672	21.90	ug/ml	99
79) Benzo(b)fluoranthene	14.97	252	670451	26.10	ug/ml#	88
80) Benzo(k)fluoranthene	15.02	252	639286	25.72	ug/ml#	87
81) Benzo(a)pyrene	15.80	252	603586	25.30	ug/ml#	86
82) Indeno(1,2,3-cd)pyrene	19.44	276	639638	26.78	ug/ml#	80
83) Dibenz(a,h)anthracene	19.44	278	523670	26.62	ug/ml	99
84) Benzo(g,h,i)perylene	20.52	276	514429	27.22	ug/ml#	83

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

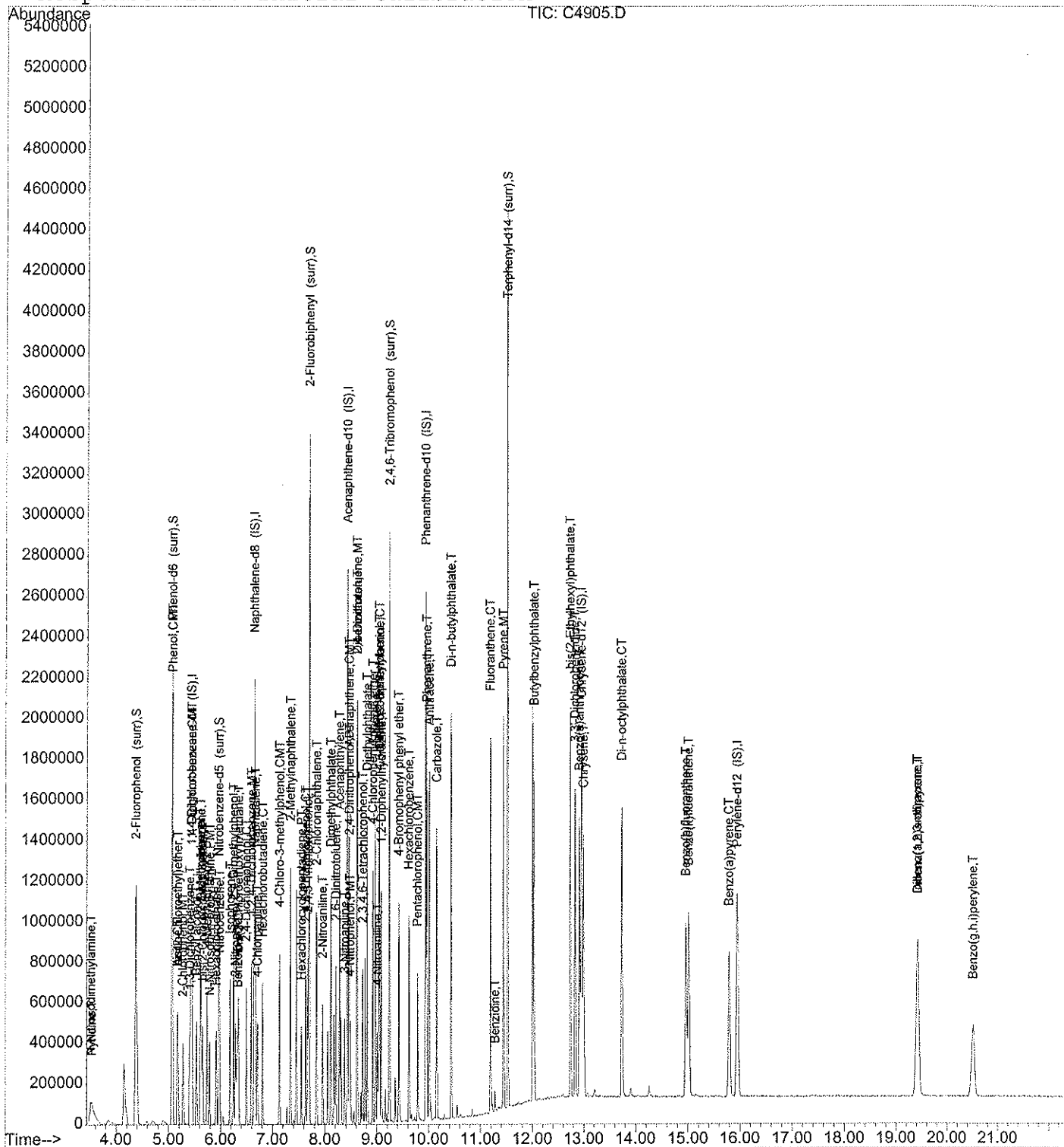
Quantitation Report

Data File : U:\DATA\C\C2743\C4905.D  
Acq On : 28 Sep 2011 3:12 pm  
Sample : MSB-06  
Misc : 09/28/11 ;1;L;1000;1.00; C2743 8270A  
MS Integration Params: RTEINT.P  
Quant Time: Sep 28 16:00 2011

Vial: 4  
Operator: ALR  
Inst : GC/MS Ins  
Multiplr: 1.00

Quant Results File: C\_8270A.RES

Method : U:\METHODS\C\C\_8270A.M (RTE Integrator)  
Title : C\_8270A  
Last Update : Wed Sep 28 10:35:52 2011  
Response via : Initial Calibration



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Extraction Logs / Analysis Logs**

*Environmental Quality Services, Inc.*

# Logbook GCMS Semivolatiles

**Batch: C 2732**  
**Create Date: 9/9/2011 10:44:0**  
**Initials: ALR**

## 8270A

File ID	Sample	Std Code	Type	Prep Date	Prep ID	Matrix	DF	IV	FV	Comments
C -151	50ngDFTPP-00	10/23/2007:b5:p:75	P		0	L	1	1	1	
C 4764	Inst Blank-71		L		0	L	1	1	1	
C 4765	Inst Blank-72		L		0	L	1	1	1	
C 4766	SSTD005-01	7/16/2011:b8:p:43	I		0	L	1	1	1	
C 4767	SSTD010-02	7/16/2011:b8:p:43	I		0	L	1	1	1	
C 4768	SSTD020-03	7/16/2011:b8:p:43	I		0	L	1	1	1	
C 4769	SSTD040-04	7/16/2011:b8:p:43	I		0	L	1	1	1	
C 4770	SSTD080-05	7/16/2011:b8:p:43	I		0	L	1	1	1	
C 4771	SSTD020-03	1/21/2011:b8:p:29	C		0	L	1	1	1	
C 4772	1108264-01		S	08/22/11	160169	L	1	200	1	
C 4773	1109024-01		S	09/07/11	160368	L	1	1000	1	
C 4774	ICV-73		L		0	L	1	1	1	
C 4775	SBLK-89		B	08/22/11	160160	L	1	1000	1	
C 4776	MSB-89	9/18/2006:b4:p:72	R	08/22/11	160161	L	1	1000	1	
C 4777	SBLK-91		B	09/01/11	160245	S	1	10	1	
C 4778	MSB-91	9/18/2006:b4:p:72	R	09/01/11	160246	S	1	10	1	
C 4779	1108450-01		S	09/01/11	160262	S	1	10	1	
C 4780	1108450-02		S	09/01/11	160263	S	1	10	1	
C 4781	1108450-03		S	09/01/11	160264	S	1	10	1	
C 4782	1108450-04		S	09/01/11	160265	S	5	10	1	
C 4783	1108450-05		S	09/01/11	160266	S	1	10	1	
C 4784	1108450-06		S	09/01/11	160267	S	1	10	1	
C 4785	1108450-07		S	09/01/11	160268	S	1	10	1	
C 4786	1108450-08		S	09/01/11	160269	S	1	10	1	
C 4787	Inst Blank-74		L		0	L	1	1	1	

**Types:**    **Q = QC CheckStd**    **F = RefStd**    **M = Matrix Spike**    **N = Matrix Spike Duplicate**  
**I = InitCalStd**    **S = Sample**    **P = Performance Std**    **L = Instrument Blank**    **C = Continuing**

# Logbook GCMS Semivolatiles

Batch: C 2743  
 Create Date: 9/28/2011 11:22:  
 Initials: ALR

8270A

File ID	Sample	Std Code	Type	Prep Date	Prep ID	Matrix	DF	IV	FV	Comments
C -162	50ngDFTPP-00	10/23/2007:b5:p:75	P		0	L	1	1	1	
C 4903	SSTD020-03	1/21/2011:b8:p:29	C		0	L	1	1	1	
C 4904	SBLK-06		B	09/28/11	160648	L	1	1000	1	
C 4905	MSB-06	9/18/2006:b4:p:72	R	09/28/11	160649	L	1	1000	1	
C 4906	1109409-07	9/16/2011:b8:p:48	S	09/28/11	160650	L	1	900	1	
C 4907	1109409-08	9/16/2011:b8:p:48	S	09/28/11	160653	L	1	900	1	
C 4908	1109409-09	9/16/2011:b8:p:48	S	09/28/11	160654	L	1	900	1	
C 4909	1109409-12	9/16/2011:b8:p:48	S	09/28/11	160655	L	1	900	1	
C 4910	1109409-07MS	3/16/2009:b6:p:86	M	09/28/11	160651	L	1	900	1	
C 4911	1109409-07MSD		N	09/28/11	160652	L	1	900	1	
C 4912	1109405-01	9/16/2011:b8:p:48	S	09/28/11	160656	L	5	900	1	
C 4913	Inst Blank-09		L		0	L	1	1	1	

**Types:** Q = QC CheckStd F = RefStd M = Matrix Spike N = Matrix Spike Duplicate  
 I = InitCalStd S = Sample P = Performance Std L = Instrument Blank C = Continuing Cal

# Extraction Log Book for: GCMS-SV

Reviewed By:

Print Date: 10/13/2011

PrepDate: 09/28/2011

PrepID	CUCODE	SBLK	No	Job	Blank Id	Dept	PRCode	Matrix	IV	Prep By	Surrogate Information			Spike Information			Na2SO4Lot	FV	Trans By	Clean Up Type	Clean Up By	Trans Vial By	Witness	Comments
											Surrogate	AMT	Code	AddedBy	SPIKE	Code								
160648			06	E 8270	0			L	1000	RAC	BNA	52411AF	RAC	E 8270	081011	RAC	82211	1	RAC			RAC		
160649			06	E 8270	160648			L	1000	RAC	BNA	52411AF	RAC	E 8270	081011	RAC	82211	1	RAC			RAC		
160650			07	E 8270	160648			L	900	RAC	BNA	52411AF	RAC				82211	1	RAC			RAC		
160651			07MS	E 8270	160648			L	900	RAC	BNA	52411AF	RAC	E 8270	081011	RAC	82211	1	RAC			RAC		
160652			07MSD	E 8270	160648			L	900	RAC	BNA	52411AF	RAC	E 8270	081011	RAC	82211	1	RAC			RAC		
160653			08	E 8270	160648			L	900	RAC	BNA	52411AF	RAC				82211	1	RAC			RAC		
160654			09	E 8270	160648			L	900	RAC	BNA	52411AF	RAC				82211	1	RAC			RAC		
160655			12	E 8270	160648			L	900	RAC	BNA	52411AF	RAC				82211	1	RAC			RAC		
160656			01	E 625A	160648			L	900	RAC	BNA	52411AF	RAC				82211	1	RAC			RAC		

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Data**

*Environmental Quality Services, Inc.*



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Sample Data**

*Environmental Quality Services, Inc.*

INORGANIC ANALYSES DATA PACKAGE  
COVER PAGE

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 SOW No.: N/A SDG No: N/A

Contract: WYANDANC  
 SAS No: N/A  
 Date Received.: 9/22/2011

Sample No	Lab Sample ID	Collection Date	
MW-2	1109409-01	9/21/2011	
MW-3	1109409-02	9/21/2011	
MW-4	1109409-03	9/21/2011	
MW-5R	1109409-04	9/21/2011	
MW-5R	1109409-04M <sup>s</sup>	9/21/2011	
MW-5R	1109409-04M <sup>s</sup>	9/21/2011	
MW-10	1109409-05	9/21/2011	
MW-12	1109409-06	9/21/2011	
MW-20	1109409-07	9/21/2011	
MW-20	1109409-07M <sup>s</sup>	9/21/2011	
MW-20	1109409-07M <sup>s</sup>	9/21/2011	
MW-21	1109409-08	9/21/2011	
MW-23	1109409-09	9/21/2011	
MW-26R	1109409-10	9/21/2011	
FIELD DUP (MET)	1109409-11	9/21/2011	
FIELD DUP (SVOC)	1109409-12	9/21/2011	

Were ICP interelement corrections applied? Yes/No No  
 Were ICP background corrections applied? Yes/No Yes  
 If yes-were raw data generated before application of background corrections? Yes/No No

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Name: Patty Els  
 Title: Quality Assurance Officer

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## Metals QC Data

*Environmental Quality Services, Inc.*

## EQS Form

2A

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AInitial Calibration Source: ICV-C4202-8Continuing Calibration Source: CCV1-C4202-25 CCV2-C4202-37

Concentration Units: ug/L

Analyte	Wave- Length	Initial Calibration			Continuing Calibration					M
		True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	
Chromium	267.71	1000	972	97.3	1000	1030	103	1060	106	P
Copper	327.39	1000	984	98.4	1000	1040	104	1030	103	P
Nickel	231.6	1000	953	95.3	1000	1010	101	1010	101	P

(1) Control Limits: Mercury 80-120%; Other Metals 90-110%.

# - Value outside of Control Limits

## EQS Form

2A

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AInitial Calibration Source: ICV-C4202-8Continuing Calibration Source: CCV3-C4202-53 -

Concentration Units: ug/L

Analyte	Wave- Length	Initial Calibration			Continuing Calibration					M
		True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	
Chromium	267.71				1000	1010	101			P
Copper	327.39				1000	1020	102			P
Nickel	231.6				1000	985	98.5			P

(1) Control Limits: Mercury 80-120%; Other Metals 90-110%.

# - Value outside of Control Limits

EQS Form  
2B  
CRDL STANDARD FOR AA AND ICP

Lab Name: Environmental Quality Services, Inc. Contract: WYANDANC  
 Lab Code: EQS Case No.: N/A SAS No: N/A SDG No: N/A  
 AA CRDL Standard Source: \_\_\_\_\_  
 ICP CRDL Standard Source: C4202-10 C4202-50

Concentration Units:ug/L

Analyte	Wave- Length	CRDL Standard for AA			CRDL Standard for ICP					M
		True	Found	%R	Initial			Final		
					True	Found	%R	Found	%R	
Chromium	267.71				5.00	4.70	94.0	5.10	102	P
Copper	327.39				5.00	5.90	118	6.70	134	P
Nickel	231.6				10.0	13.0	130	12.5	125	P

Control Limits: No limits have been established by the EPA at this time

CRDL Criteria: Must be analyzed at 2x CRDL (or 2x IDL when IDL>CRDL) for each element.  
 Except: Al, Ba, Ca, Fe, Mg, Na, K.

## EQS Form

3

## BLANKS

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/APreparation Blank Matrix (soil/water): WaterICB ID: C4202-9Preparation Blank Concentration Units (ug/L or mg/kg) ug/LPrep Blank ID: C4202-13 [199162]Prep Blank Date: 09/26/11

Analyte	Wave- Length	Initial Calib. Blank	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
				CCB1 C4202-26	C	CCB2 C4202-39	C	CCB3 C4202-54	C			
Chromium	267.71	1.60	U	1.60	U	4.30	B	1.60	U	1.60	U	P
Copper	327.39	2.90	U	2.90	U	2.90	U	2.90	U	2.90	U	P
Nickel	231.6	0.72	U	0.72	U	0.72	U	0.72	U	0.72	U	P

QC Criteria: Each element must be <CRQL or <MDL, where the sample concentration is <10x the Preparation Blank concentration

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

## ICP INTERFERENCE CHECK SAMPLE

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AICP ID Number: CInitial File ID: C4202-11 C4202-12 Final File ID: C4202-51 C4202-52

Concentration Units: ug/L

Analyte	Wave- Length	True		Initial Found				Final Found			
		Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	308.2	100000		83600	83.6			84700	84.7		
Calcium	317.93	100000		111000	111			108000	108		
Chromium	267.71		1000	-4.9		1040	104	-4.3		1040	104
Copper	327.39		1000	-1.7		1060	106	-5.2		1060	106
Iron	238.21	100000		102000	102			103000	103		
Lead	220.35		1000	2.70		1060	106	7.30		1050	105
Magnesium	279.07	100000		104000	104			102000	102		
Nickel	231.6		1000	-5.1		1060	106	-11		1060	106

Control Limits: 80-120%

# - Value outside of Control Limits.



## SPIKE SAMPLE RECOVERY

1109409-04MS

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): Low% Solids for Sample: NAPrepDate: 09/26/11Date Received: 09/22/11Sample File ID: C4202-18 MS File ID: C4202-19Concentration Units (ug/L or mg/kg, dry weight): ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (MS)	C	Sample Result (S)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	214		5.70		200	104		P
Copper	327.39	75-125	293		4.70	B	250	115		P
Nickel	231.6	75-125	563		291		500	54.3	N	P

QC Criteria: 75-125%, when sample concentration is &lt;4x the spike value.

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL..

N - Spike Recovery did not meet QC Criteria.

Comments:

---



---



---



---

## POST DIGEST SPIKE SAMPLE RECOVERY

1109409-04PSP

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): Low% Solids for Sample: NAPrepDate: 09/26/11Sample File ID: C4202-18 PS File ID: C4202-21

Concentration Units: ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	2100		5.70		2000	105		P
Copper	327.39	75-125	2120		4.70	B	2000	106		P
Nickel	231.6	75-125	2280		291		2000	99.6		P

Control Limits: 75-125%

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

N - Post Spike Recovery not within Control Limits.

Comments:

---



---



---

EQS Form  
6  
DUPLICATES

EPA SAMPLE NO.

1109409-04MSD

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Matrix (soil/water): Water  
 % Solids for Sample: NA  
 Sample File ID: C4202-19

Contract: WYANDANC  
 SAS No: N/A SDG No: N/A  
 Level (low/mid): Low  
 % Solids for Duplicate: NA  
 Duplicate File ID: C4202-20

Concentration Units (ug/L or mg/kg, dry weight basis):ug/L

Analyte	Wave- Length	Control Limit	Sample (S)	C	Duplicate (D)	C	% RPD	Q	M
Chromium	267.71		214		205		4.00		P
Copper	327.39		293		306		4.00		P
Nickel	231.6		563		586		4.00		P

Control Limit: CRQL

QC Criteria: %RPD must be <20%, when the element is >5x CRQL, in both the sample and the duplicate.

\* - Duplicate analysis did not meet QC Criteria.

Soil Concentration unit = mg/kg, dry weight basis

EQS Form  
6  
DUPLICATES

EPA SAMPLE NO.

**1109409-05DUP**

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Matrix (soil/water): Water  
 % Solids for Sample: NA  
 Sample File ID: C4202-22

Contract: WYANDANC  
 SAS No: N/A SDG No: N/A  
 Level (low/mid): Low  
 % Solids for Duplicate: NA  
 Duplicate File ID: C4202-27

Concentration Units (ug/L or mg/kg, dry weight basis):ug/L

Analyte	Wave-Length	Control Limit	Sample (S)	C	Duplicate (D)	C	% RPD	Q	M
Chromium	267.71		6.20		5.10		19.0		P
Copper	327.39		9.10		10.5		14.0		P
Nickel	231.6		4.60		3.10		39.0	*	P

Control Limit: CRQL

QC Criteria: %RPD must be <20%, when the element is >5x CRQL, in both the sample and the duplicate.

\* - Duplicte analysis did not meet QC Criteria.

Soil Concentration unit = mg/kg, dry weight basis

## LABORATORY CONTROL SAMPLE

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/A

Solid LCS Source: \_\_\_\_\_

Aqueous LCS Source: \_\_\_\_\_

LCS File ID: C4202-14

Analyte	Wave- Length	Aqueous (ug/L)				Solid (mg/kg)				
		True	Found	%R	Q	True	Found	Q	Limits	%R
Chromium	267.71	500	514	103						
Copper	327.39	500	545	109						
Nickel	231.6	500	525	105						

Water QC Limits: 80-120%

Soil QC Limits: EPA Soil Standard Limits listed above.

# - Value outside of the Control Limits

## ICP SERIAL DILUTIONS

1109409-05DIL

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): LowInitial File ID: C4202-22Sample Diluted: 1109409-05DILDILUTED File ID: C4202-28Concentration Units: ug/L

Analyte	Wave- Length	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differer- ence	Q	M
Chromium	267.71	6.20		8.00	B	67.74		P
Copper	327.39	9.10		24.5		169.23		P
Nickel	231.6	4.60	B	3.60	U	-		P

Control Limit: 50x MDL.

QC Criteria: %Difference must be &lt;10%, when the element is &gt;50x MDL.

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

# - Value did not meet QC criteria.

Soil Concentration Unit = mg/kg, wet weight basis

INSTRUMENT DETECTION LIMITS (ANNUALLY)

Lab Name: Environmental Quality Services, Inc. Contract: WYANDANC  
 Lab Code: EQS Case No.: N/A SAS No: N/A SDG No: N/A  
 ICP ID Number: C Date: 04/20/2010  
 Flame AA ID Number: \_\_\_\_\_  
 Furnace AA ID Number: \_\_\_\_\_

Analyte	Wave-length (nm)	Back-ground	CRQL (mg/Kg)	CRQL (ug/L)	MDL (mg/Kg)	MDL (ug/L)	M
Chromium	267.73	4200	1.00	5.00	0.19	1.60	P
Copper	327.41	5600	0.50	5.00	0.81	2.90	P
Nickel	231.62	1900	4.00	10.0	1.03	0.72	P

Comments:

---



---



---



---

EQS Form  
11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Environmental Quality Services, Inc. Contract: WYANDANC  
 Lab Code: EQS Case No.: N/A SAS No: N/A SDG No: N/A  
 ICP ID Number: C Date: 10/08/2010

Analyte	Wave-length (nm)	Interelemental Correction Factors for:				
		Al	Ca	Fe	Mg	Na
Chromium	267.73	0	0	-0.0206409	0.0208069	-0.0019191
Copper	327.41	-0.0202089	-0.0521238	-0.0761475	-0.0349561	-0.289302
Nickel	231.62	-0.0187133	-0.0141583	-0.012662	-0.02028	-0.0010614

Comments:

---



---



---



---



## ICP LINEAR RANGES (SEMIANNUALLY)

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AICP ID Number: CDate: 04/23/2010

Analyte	Wave-Length	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	267.73	65.0	100000	P
Copper	327.41	65.0	200000	P
Nickel	231.62	65.0	100000	P

Comments:

---

---

---

---

EQS Form  
14  
ANALYSIS RUN LOG

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Instrument ID Number: C4202  
 Start Date: 9/29/2011 10:31:30 AM

Contract: WYANDANC  
 SAS No: N/A SDG No: N/A  
 Method: ICP  
 End Date: 9/29/2011 3:26:58 PM

EPA Sample No.	Prep ID	Time	Matrix	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N		
Calib Blank	(1)	09:26	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 1	(2)	09:29	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 2	(3)	09:31	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 3	(4)	09:35	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 4	(5)	09:38	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 5	(6)	09:41	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 6	(7)	09:43	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICV	(8)	09:47	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICB	(9)	09:52	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CRI	(10)	09:56	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICSA	(11)	09:59	L	Al						Ca				Fe		Mg													
ICSAB	(12)	10:03	L				Ba	Be	Cd		Cr	Co	Cu		Pb		Mn	Ni			Ag			V	Zn				
PBW 09/26/11	199162	10:08	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
LCSW 09/26/11	199163	10:12	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1109409-01	199164	10:17	L															Ni											
1109409-02	199165	10:21	L															Ni											
1109409-03	199166	10:26	L															Ni											
1109409-04	199167	10:31	L															Ni											
1109409-04MS	199168	10:36	L															Ni											
1109409-04MSD	199169	10:41	L															Ni											
1109409-04PSP	199167	10:45	L															Ni											
1109409-05	199170	10:50	L								Cr		Cu					Ni											
ZZZZZ	(23)	10:55	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ZZZZZ	(24)	10:58	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCVI	(25)	11:02	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCBI	(26)	11:06	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1109409-05DUP	199180	11:11	L																										
1109409-05DIL	199180	11:16	L																										
1109409-06	199181	11:20	L								Cr		Cu					Ni											
1109409-10	199182	11:25	L								Cr		Cu					Ni											
1109409-11	199183	11:30	L															Ni											
PBS 09/29/11	199259	13:34	S	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
LCSS 09/29/11	199260	13:38	S	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1109536-01	199261	13:43	PC																										
1109536-01MS	199262	13:48	PC																										
1109536-01MSD	199263	13:53	PC																										
CCV2	(37)	13:58	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				

EQS Form  
14  
ANALYSIS RUN LOG

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Instrument ID Number: C4202  
 Start Date: 9/29/2011 10:31:30 AM

Contract: WYANDANC  
 SAS No: N/A SDG No: N/A  
 Method: ICP  
 End Date: 9/29/2011 3:26:58 PM

EPA Sample No.	Prep ID	Time	Matrix	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T I	V	Z N	
ZZZZZ	(38)	14:07	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn		
CCB2	(39)	14:10	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn		
1109536	(40)	14:14	PC																								
1105226-01	199264	14:20	PC																								
1105226-01DUP	199265	14:25	PC																								
1105226-01DIL	199265	14:30	PC																								
1105226-02	199266	14:34	PC																								
1105226-03	199267	14:38	PC																								
1109508-01	199268	14:43	PC												Pb												
1109508-02	199269	14:47	PC												Pb												
1109508-03	199270	14:51	PC												Pb												
1109536-01	199261	14:56	PC												Pb												
CRI	(50)	15:08	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn		
ICSA	(51)	15:12	L	Al						Ca				Fe		Mg											
ICSAB	(52)	15:16	L				Ba	Be	Cd		Cr	Co	Cu		Pb		Mn	Ni			Ag			V	Zn		
CCV3	(53)	15:21	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn		
CCB3	(54)	15:26	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn		

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Raw QC Data**

*Environmental Quality Services, Inc.*

Analysis Begun

Start Time:9/29/2011 9:23:29 AM  
Logged In Analyst: Chemist  
Spectrometer Model: Optima 4300 DV, S/N 077N2010401

Plasma On Time:9/29/2011 8:29:19 AM  
Technique: ICP Continuous

Sample Information File: U:\SEQUENCE\C\4202.SIF  
Batch ID: C4202  
Results Data Set:C4202  
Results Library: U:\Data\C\Results.mdb

Method Loaded  
Method Name: TCL7000 - 2010f ``C``  
IEC File:IEC100810.iec  
Method Description: ETL TCL7000

Method Last Saved:9/29/2011 9:11:45 AM  
MSF File:

Sequence No.: 1  
Sample ID: Calib Blank 1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 1  
Date Collected: 9/29/2011 9:23:30 AM  
Data Type: Orginal  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	550639.4	1.00 mg/L	0.0006			0.06%
Y 360.073	308129.7	1.00 mg/L	0.000			0.02%
Al 308.215†	16659.0	[0.00] mg/L	0.0000	mg/L		0.12%
Ca 317.933†	76.0	[0.00] mg/L	0.0000	mg/L		6.30%
Cr 267.716†	3835.2	[0.00] mg/L	0.0000	mg/L		1.82%
Cu 327.393†	-10912.6	[0.00] mg/L	0.0000	mg/L		0.47%
Fe 238.204†	113.7	[0.00] mg/L	0.0000	mg/L		0.55%
Mg 279.077†	-27.2	[0.00] mg/L	0.0000	mg/L		1.77%
Ni 231.604†	371.6	[0.00] mg/L	0.0000	mg/L		7.62%
Pb 220.353†	210.4	[0.00] mg/L	0.0000	mg/L		2.10%

Sequence No.: 2  
Sample ID: Calib Std 1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 2  
Date Collected: 9/29/2011 9:27:39 AM  
Data Type: Orginal  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Sc 361.383	554809.4	639.35	0.12%	1.01 mg/L
Y 360.073	310597.0	319.96	0.10%	1.01 mg/L
Cr 267.716†	2300.7	9.44	0.41%	[0.10] mg/L
Cu 327.393†	30372.4	162.55	0.54%	[0.10] mg/L
Ni 231.604†	1156.6	11.16	0.96%	[0.10] mg/L
Pb 220.353†	180.5	4.03	2.23%	[0.10] mg/L

Sequence No.: 3  
Sample ID: Calib Std 2  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 3  
Date Collected: 9/29/2011 9:30:11 AM  
Data Type: Orginal  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc. Units
Sc 361.383	556648.8	878.96	0.16%	1.01 mg/L
Y 360.073	310630.9	344.55	0.11%	1.01 mg/L
Al 308.215†	32001.6	85.99	0.27%	[1.00] mg/L
Ca 317.933†	5671.5	53.58	0.94%	[1.00] mg/L
Cr 267.716†	174135.5	214.11	0.12%	[1.00] mg/L
Cu 327.393†	175747.7	74.48	0.04%	[1.00] mg/L

Ni 231.604†	65770.6	109.87	0.17%	[1.00]	mg/L
Pb 220.353†	13489.8	23.88	0.18%	[1.00]	mg/L

Sequence No.: 4  
 Sample ID: Calib Std 3  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 4  
 Date Collected: 9/29/2011 9:33:28 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Sc 361.383	545981.2	408.15	0.07%	0.992	mg/L	
Y 360.073	309433.8	445.56	0.14%	1.00	mg/L	
Al 308.215†	58887.9	317.35	0.54%	[2.00]	mg/L	
Ca 317.933†	10621.9	17.56	0.17%	[2.00]	mg/L	
Cr 267.716†	349696.9	599.87	0.17%	[2.00]	mg/L	
Cu 327.393†	352422.8	569.41	0.16%	[2.00]	mg/L	
Ni 231.604†	131950.8	94.15	0.07%	[2.00]	mg/L	
Pb 220.353†	27034.7	48.70	0.18%	[2.00]	mg/L	

Sequence No.: 5  
 Sample ID: Calib Std 4  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 5  
 Date Collected: 9/29/2011 9:36:53 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 4

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Sc 361.383	553301.9	906.35	0.16%	1.00	mg/L	
Y 360.073	309082.4	519.32	0.17%	1.00	mg/L	

Sequence No.: 6  
 Sample ID: Calib Std 5  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 6  
 Date Collected: 9/29/2011 9:39:21 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 5

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Sc 361.383	533937.2	506.40	0.09%	0.970	mg/L	
Y 360.073	297333.9	344.60	0.12%	0.965	mg/L	
Fe 238.204†	61975.0	144.13	0.23%	[50.00]	mg/L	
Mg 279.077†	22504.6	38.37	0.17%	[50.00]	mg/L	

Sequence No.: 7  
 Sample ID: Calib Std 6  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 7  
 Date Collected: 9/29/2011 9:42:13 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 6

Analyte	Mean Corrected			RSD	Calib	
	Intensity	Std.Dev.	Conc.		Units	
Sc 361.383	539388.4	1218.07	0.23%	0.980	mg/L	
Y 360.073	299671.5	909.03	0.30%	0.973	mg/L	
Fe 238.204†	121192.9	505.94	0.42%	[100.00]	mg/L	
Mg 279.077†	43971.0	240.27	0.55%	[100.00]	mg/L	

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	2	Lin Thru 0	0.0	29956	.00000	0.999417	
Ca 317.933	2	Lin Thru 0	0.0	5383	.00000	0.999641	
Cr 267.716	3	Lin Thru 0	0.0	174403	.00000	0.999246	
Cu 327.393	3	Lin Thru 0	0.0	176373	.00000	0.999479	
Fe 238.204	2	Lin Thru 0	0.0	1217	.00000	0.999959	

Mg 279.077	2	Lin Thru 0	0.0	441.8	.00000	0.999956
Ni 231.604	3	Lin Thru 0	0.0	65826	.00000	0.999320
Pb 220.353	3	Lin Thru 0	0.0	13488	.00000	0.999250

Sequence No.: 8  
 Sample ID: ICV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 9/29/2011 9:45:07 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	562413.0	1.02 mg/L	0.002			0.15%
Y 360.073	312427.7	1.01 mg/L	0.002			0.16%
Al 308.215†	38835.3	1.296 mg/L	0.0031	1.296 mg/L	0.0031	0.24%
QC value greater than the upper limit for Al 308.215 Recovery = 129.63%						
Ca 317.933†	61916.1	11.5 mg/L	0.05	11.5 mg/L	0.05	0.40%
QC value within limits for Ca 317.933 Recovery = 104.52%						
Cr 267.716†	169667.5	0.972 mg/L	0.0050	0.972 mg/L	0.0050	0.52%
QC value within limits for Cr 267.716 Recovery = 97.25%						
Cu 327.393†	173637.0	0.984 mg/L	0.0041	0.984 mg/L	0.0041	0.42%
QC value within limits for Cu 327.393 Recovery = 98.38%						
Fe 238.204†	1200.8	0.982 mg/L	0.0157	0.982 mg/L	0.0157	1.60%
QC value within limits for Fe 238.204 Recovery = 98.22%						
Mg 279.077†	453.7	1.03 mg/L	0.059	1.03 mg/L	0.059	5.70%
QC value within limits for Mg 279.077 Recovery = 102.72%						
Ni 231.604†	62848.6	0.953 mg/L	0.0038	0.953 mg/L	0.0038	0.40%
QC value within limits for Ni 231.604 Recovery = 95.31%						
Pb 220.353†	12938.8	0.960 mg/L	0.0064	0.96 mg/L	0.0064	0.67%
QC value within limits for Pb 220.353 Recovery = 96.02%						

QC Failed. Retry.

Sequence No.: 9  
 Sample ID: ICB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 9/29/2011 9:49:52 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	558105.7	1.01 mg/L	0.002			0.23%
Y 360.073	312798.9	1.02 mg/L	0.003			0.25%
Al 308.215†	8.6	0.000 mg/L	0.0027	0 mg/L	0.0027	949.01%
QC value within limits for Al 308.215 Recovery = Not calculated						
Ca 317.933†	155.8	0.029 mg/L	0.0018	0.029 mg/L	0.0018	6.37%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cr 267.716†	101.3	0.001 mg/L	0.0000	0.001 mg/L	0.0000	0.95%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	286.8	0.002 mg/L	0.0004	0.002 mg/L	0.0004	25.75%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	11.6	0.009 mg/L	0.0024	0.009 mg/L	0.0024	25.65%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	6.3	0.014 mg/L	0.0125	0.014 mg/L	0.0125	87.42%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	15.5	0.000 mg/L	0.0003	0 mg/L	0.0003	112.80%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-18.2	-0.001 mg/L	0.0025	-0.001 mg/L	0.0025	186.99%
QC value within limits for Pb 220.353 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 10  
 Sample ID: CRI  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 9  
 Date Collected: 9/29/2011 9:53:37 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	551572.0	1.00	mg/L	0.004			0.36%
Y 360.073	317811.2	1.03	mg/L	0.004			0.40%
Al 308.215†	2279.2	0.076	mg/L	0.0014	0.076	mg/L	2.24%
QC value within limits for Al 308.215 Recovery = 76.07%							
Ca 317.933†	369.5	0.069	mg/L	0.0023	0.069	mg/L	3.41%
QC value greater than the upper limit for Ca 317.933 Recovery = 137.4%							
Cr 267.716†	818.5	0.005	mg/L	0.0002	0.005	mg/L	3.21%
QC value within limits for Cr 267.716 Recovery = 94%							
Cu 327.393†	1034.8	0.006	mg/L	0.0007	0.006	mg/L	8.43%
QC value within limits for Cu 327.393 Recovery = 117.6%							
Fe 238.204†	24.7	0.02	mg/L	0.0020	0.02	mg/L	8.35%
QC value greater than the upper limit for Fe 238.204 Recovery = 135.93%							
Mg 279.077†	26.2	0.059	mg/L	0.0276	0.059	mg/L	46.65%
QC value within limits for Mg 279.077 Recovery = 118.4%							
Ni 231.604†	854.6	0.013	mg/L	0.0003	0.013	mg/L	2.27%
QC value within limits for Ni 231.604 Recovery = 130%							
Pb 220.353†	115.0	0.009	mg/L	0.0004	0.009	mg/L	4.16%
QC value within limits for Pb 220.353 Recovery = 85%							

QC Failed. Continue with analysis.

Sequence No.: 11  
 Sample ID: ICSA  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 9/29/2011 9:57:39 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	520545.7	0.945	mg/L	0.0032			0.33%
Y 360.073	287470.4	0.933	mg/L	0.0029			0.31%
Al 308.215†	2505778.2	83.616	mg/L	0.422	83.616	mg/L	0.50%
QC value within limits for Al 308.215 Recovery = 83.62%							
Ca 317.933†	597771.9	111.11	mg/L	0.8	111.11	mg/L	0.70%
QC value within limits for Ca 317.933 Recovery = 111.11%							
Cr 267.716†	-2711.6	-0.005	mg/L	0.0002	-0.005	mg/L	4.28%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	-3979.0	-0.002	mg/L	0.0003	-0.002	mg/L	4.60%
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 238.204†	123859.4	101.84	mg/L	0.7	101.84	mg/L	0.73%
QC value within limits for Fe 238.204 Recovery = 101.84%							
Mg 279.077†	45760.6	103.534	mg/L	0.8	103.534	mg/L	0.80%
QC value within limits for Mg 279.077 Recovery = 103.53%							
Ni 231.604†	-1594.7	-0.005	mg/L	0.0004	-0.005	mg/L	3.66%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	540.3	0.003	mg/L	0.0022	0.003	mg/L	23.17%
QC value within limits for Pb 220.353 Recovery = Not calculated							

All analyte(s) passed QC.



Sequence No.: 12  
 Sample ID: ICSAB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 11  
 Date Collected: 9/29/2011 10:01:50 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc. Units	Std.Dev.	
Sc 361.383	516522.1	0.938	mg/L	0.0009			0.10%
Y 360.073	285445.9	0.926	mg/L	0.0002			0.03%
Al 308.215†	2576680.3	85.982	mg/L	0.040	85.982	0.040	0.05%
QC value within limits for Al 308.215 Recovery = 85.98%							
Ca 317.933†	589351.5	109.551	mg/L	0.3	109.551	0.3	0.26%
QC value within limits for Ca 317.933 Recovery = 109.55%							
Cr 267.716†	179248.0	1.039	mg/L	0.001	1.039	0.001	0.11%
QC value within limits for Cr 267.716 Recovery = 103.85%							
Cu 327.393†	182474.8	1.056	mg/L	0.000	1.056	0.000	0.04%
QC value within limits for Cu 327.393 Recovery = 105.57%							
Fe 238.204†	123570.7	101.604	mg/L	0.3	101.604	0.3	0.32%
QC value within limits for Fe 238.204 Recovery = 101.6%							
Mg 279.077†	45251.5	102.383	mg/L	0.3	102.383	0.3	0.30%
QC value within limits for Mg 279.077 Recovery = 102.38%							
Ni 231.604†	68696.9	1.063	mg/L	0.003	1.063	0.003	0.20%
QC value within limits for Ni 231.604 Recovery = 106.34%							
Pb 220.353†	14764.3	1.057	mg/L	0.000	1.057	0.000	0.03%
QC value within limits for Pb 220.353 Recovery = 105.69%							

All analyte(s) passed QC.

Sequence No.: 13  
 Sample ID: PBW09/26/11[199162]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 12  
 Date Collected: 9/29/2011 10:06:03 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: PBW09/26/11[199162]

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc. Units	Std.Dev.	
Sc 361.383	554666.8	1.01	mg/L	0.000			0.02%
Y 360.073	311162.7	1.01	mg/L	0.000			0.01%
Al 308.215†	1265.5	0.042	mg/L	0.0034	0.042	0.0034	7.97%
Ca 317.933†	224.7	0.042	mg/L	0.0085	0.042	0.0085	7.21%
Cr 267.716†	102.7	0.001	mg/L	0.0005	0.001	0.0005	76.64%
Cu 327.393†	419.6	0.002	mg/L	0.0006	0.002	0.0006	22.54%
Fe 238.204†	13.7	0.011	mg/L	0.0113	0.011	0.0113	9.96%
Mg 279.077†	23.5	0.053	mg/L	0.0273	0.053	0.0273	17.85%
Ni 231.604†	44.7	0.001	mg/L	0.0003	0.001	0.0003	37.70%
Pb 220.353†	-23.8	-0.002	mg/L	0.0020	-0.002	0.0020	105.71%

Sequence No.: 14  
 Sample ID: LCSW09/26/11[199163]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 13  
 Date Collected: 9/29/2011 10:10:08 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: LCSW09/26/11[199163]

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc. Units	Std.Dev.	
Sc 361.383	537112.1	0.975	mg/L	0.0018			0.18%
Y 360.073	299150.4	0.971	mg/L	0.0016			0.16%
Al 308.215†	28901.9	0.964	mg/L	0.0004	0.964	0.0004	0.04%
Ca 317.933†	6089.6	1.135	mg/L	0.007	1.135	0.007	0.51%
Cr 267.716†	89668.2	0.514	mg/L	0.0019	0.514	0.0019	0.30%
Cu 327.393†	96135.0	0.545	mg/L	0.0028	0.545	0.0028	0.43%
Fe 238.204†	1402.3	1.153	mg/L	0.005	1.153	0.005	0.35%
Mg 279.077†	277.8	0.628	mg/L	0.016	0.628	0.016	1.27%
Ni 231.604†	34529.4	0.525	mg/L	0.0020	0.525	0.0020	0.33%

Pb 220.353† 6990.9 0.518 mg/L 0.0023 0.518 mg/L 0.0023 0.38%

Sequence No.: 15

Sample ID: 1109409-01(L) [199164]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 14

Date Collected: 9/29/2011 10:14:18 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1109409-01(L) [199164]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	554658.6	1.01 mg/L	0.001				0.07%
Y 360.073	309121.9	1.00 mg/L	0.001				0.06%
Al 308.215†	151.5	0.005 mg/L	0.0030		0.005 mg/L	0.0030	58.96%
Ca 317.933†	58416.2	10.9 mg/L	0.01		10.9 mg/L	0.01	0.08%
Cr 267.716†	2557.8	0.014 mg/L	0.0002		0.014 mg/L	0.0002	1.53%
Cu 327.393†	2529.8	0.014 mg/L	0.0001		0.014 mg/L	0.0001	0.78%
Fe 238.204†	557.4	0.455 mg/L	0.0032		0.455 mg/L	0.0032	0.70%
Mg 279.077†	841.5	1.91 mg/L	0.005		1.91 mg/L	0.005	0.24%
Ni 231.604†	11390.9	0.172 mg/L	0.0013		0.172 mg/L	0.0013	0.75%
Pb 220.353†	-23.3	-0.001 mg/L	0.0025		-0.001 mg/L	0.0025	146.79%

Sequence No.: 16

Sample ID: 1109409-02(L) [199165]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 15

Date Collected: 9/29/2011 10:19:06 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1109409-02(L) [199165]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	561781.9	1.02 mg/L	0.003				0.30%
Y 360.073	312306.2	1.01 mg/L	0.002				0.22%
Al 308.215†	1109.5	0.036 mg/L	0.0029		0.036 mg/L	0.0029	7.80%
Ca 317.933†	110153.1	20.5 mg/L	0.11		20.5 mg/L	0.11	0.56%
Cr 267.716†	6418.1	0.036 mg/L	0.0002		0.036 mg/L	0.0002	0.50%
Cu 327.393†	17300.7	0.097 mg/L	0.0005		0.097 mg/L	0.0005	0.50%
Fe 238.204†	125.3	0.097 mg/L	0.0005		0.097 mg/L	0.0005	0.50%
Mg 279.077†	1039.1	2.35 mg/L	0.028		2.35 mg/L	0.028	1.20%
Ni 231.604†	6071.0	0.091 mg/L	0.0002		0.091 mg/L	0.0002	0.24%
Pb 220.353†	-50.0	-0.002 mg/L	0.0018		-0.002 mg/L	0.0018	49.43%

Sequence No.: 17

Sample ID: 1109409-03(L) [199166]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 16

Date Collected: 9/29/2011 10:23:55 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1109409-03(L) [199166]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	546304.6	0.992 mg/L	0.0020				0.20%
Y 360.073	303768.5	0.986 mg/L	0.0021				0.21%
Al 308.215†	1069.3	0.035 mg/L	0.0059		0.035 mg/L	0.0059	16.57%
Ca 317.933†	108731.3	20.2 mg/L	0.09		20.2 mg/L	0.09	0.43%
Cr 267.716†	2862.3	0.016 mg/L	0.0002		0.016 mg/L	0.0002	1.42%
Cu 327.393†	10556.8	0.059 mg/L	0.0002		0.059 mg/L	0.0002	0.26%
Fe 238.204†	145.6	0.113 mg/L	0.0012		0.113 mg/L	0.0012	1.02%
Mg 279.077†	1406.6	3.18 mg/L	0.019		3.18 mg/L	0.019	0.60%
Ni 231.604†	60458.0	0.917 mg/L	0.0023		0.917 mg/L	0.0023	0.25%
Pb 220.353†	20.3	0.003 mg/L	0.0004		0.003 mg/L	0.0004	27.65%

Sequence No.: 18  
 Sample ID: 1109409-04(L) [199167]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 17  
 Date Collected: 9/29/2011 10:28:45 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109409-04(L) [199167]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	543720.8	0.987	mg/L	0.0027			0.27%	
Y 360.073	300624.6	0.976	mg/L	0.0023			0.24%	
Al 308.215†	2272.5	0.076	mg/L	0.0025	0.076	mg/L	0.0025	3.25%
Ca 317.933†	175175.9	32.5	mg/L	0.07	32.5	mg/L	0.07	0.21%
Cr 267.716†	1142.0	0.006	mg/L	0.0005	0.006	mg/L	0.0005	7.69%
Cu 327.393†	1119.5	0.005	mg/L	0.0005	0.005	mg/L	0.0005	8.20%
Fe 238.204†	10658.4	8.75	mg/L	0.027	8.75	mg/L	0.027	0.31%
Mg 279.077†	1343.3	3.05	mg/L	0.011	3.05	mg/L	0.011	0.35%
Ni 231.604†	19368.6	0.291	mg/L	0.0025	0.291	mg/L	0.0025	0.84%
Pb 220.353†	-24.4	0.001	mg/L	0.0028	0.001	mg/L	0.0028	157.06%

Sequence No.: 19  
 Sample ID: 1109409-04MS(L) [199168]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 18  
 Date Collected: 9/29/2011 10:33:30 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109409-04MS(L) [199168]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	540131.9	0.981	mg/L	0.0006			0.06%	
Y 360.073	300841.6	0.976	mg/L	0.0002			0.02%	
Al 308.215†	51853.3	1.732	mg/L	0.0049	1.732	mg/L	0.0049	0.28%
Ca 317.933†	167852.4	31.177	mg/L	0.11	31.177	mg/L	0.11	0.34%
Cr 267.716†	37550.2	0.214	mg/L	0.0001	0.214	mg/L	0.0001	0.03%
Cu 327.393†	52031.1	0.293	mg/L	0.0002	0.293	mg/L	0.0002	0.08%
Fe 238.204†	11553.5	9.48	mg/L	0.025	9.48	mg/L	0.025	0.26%
Mg 279.077†	1282.4	2.909	mg/L	0.004	2.909	mg/L	0.004	0.13%
Ni 231.604†	37246.3	0.563	mg/L	0.0003	0.563	mg/L	0.0003	0.03%
Pb 220.353†	3511.2	0.263	mg/L	0.0021	0.263	mg/L	0.0021	0.83%

Sequence No.: 20  
 Sample ID: 1109409-04MSD(L) [199169]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 19  
 Date Collected: 9/29/2011 10:38:16 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109409-04MSD(L) [199169]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	548902.4	0.997	mg/L	0.0015			0.15%	
Y 360.073	305393.2	0.991	mg/L	0.0017			0.17%	
Al 308.215†	52362.3	1.748	mg/L	0.0010	1.748	mg/L	0.0010	0.05%
Ca 317.933†	168135.4	31.239	mg/L	0.02	31.239	mg/L	0.02	0.05%
Cr 267.716†	35629.0	0.205	mg/L	0.0005	0.205	mg/L	0.0005	0.25%
Cu 327.393†	53686.4	0.306	mg/L	0.0008	0.306	mg/L	0.0008	0.26%
Fe 238.204†	11683.8	9.607	mg/L	0.032	9.607	mg/L	0.032	0.34%
Mg 279.077†	1282.4	2.897	mg/L	0.021	2.897	mg/L	0.021	0.73%
Ni 231.604†	38375.2	0.586	mg/L	0.0008	0.586	mg/L	0.0008	0.10%
Pb 220.353†	3523.0	0.258	mg/L	0.0034	0.258	mg/L	0.0034	1.34%

Sequence No.: 21  
 Sample ID: 1109409-04PSPK(L) [199167]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 20  
 Date Collected: 9/29/2011 10:43:02 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109409-04PSPK(L) [199167]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	

Sc 361.383	533145.6	0.968 mg/L	0.0040			0.41%
Y 360.073	297774.0	0.966 mg/L	0.0041			0.43%
Al 308.215†	51828.6	1.732 mg/L	0.0182	1.732 mg/L	0.0182	1.05%
Ca 317.933†	148112.7	27.5 mg/L	0.31	27.5 mg/L	0.31	1.12%
Cr 267.716†	366612.0	2.10 mg/L	0.005	2.1 mg/L	0.005	0.24%
Cu 327.393†	374004.9	2.12 mg/L	0.004	2.12 mg/L	0.004	0.20%
Fe 238.204†	10910.2	8.95 mg/L	0.053	8.95 mg/L	0.053	0.59%
Mg 279.077†	1884.8	4.27 mg/L	0.040	4.27 mg/L	0.040	0.95%
Ni 231.604†	150539.9	2.28 mg/L	0.005	2.28 mg/L	0.005	0.21%
Pb 220.353†	28004.1	2.08 mg/L	0.009	2.08 mg/L	0.009	0.44%

Sequence No.: 22

Sample ID: 1109409-05 (L) [199170]

Analyst:

Initial Sample Wt:

Dilution: 1.0X

Autosampler Location: 21

Date Collected: 9/29/2011 10:47:38 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1109409-05 (L) [199170]

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
Sc 361.383	536241.8	0.974	mg/L	0.0034			0.35%	
Y 360.073	299368.9	0.972	mg/L	0.0032			0.33%	
Al 308.215†	14458.3	0.483	mg/L	0.0030	0.483	mg/L	0.0030	0.63%
Ca 317.933†	78178.1	14.5	mg/L	0.08	14.5	mg/L	0.08	0.58%
Cr 267.716†	1178.1	0.006	mg/L	0.0001	0.006	mg/L	0.0001	1.97%
Cu 327.393†	1764.3	0.009	mg/L	0.0008	0.009	mg/L	0.0008	8.01%
Fe 238.204†	1567.3	1.28	mg/L	0.002	1.28	mg/L	0.002	0.19%
Mg 279.077†	2831.7	6.41	mg/L	0.045	6.41	mg/L	0.045	0.71%
Ni 231.604†	391.5	0.005	mg/L	0.0002	0.005	mg/L	0.0002	2.41%
Pb 220.353†	13.2	0.003	mg/L	0.0018	0.003	mg/L	0.0018	184.93%

Sequence No.: 23

Sample ID: CCV

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 8

Date Collected: 9/29/2011 10:52:22 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
Sc 361.383	537142.3	0.975	mg/L	0.0031			0.32%	
Y 360.073	299102.0	0.971	mg/L	0.0022			0.23%	
Al 308.215†	33363.6	1.114	mg/L	0.0027	1.114	mg/L	0.0027	0.19%
QC value greater than the upper limit for Al 308.215 Recovery = 111.4%								
Ca 317.933†	63566.9	11.814	mg/L	0.07	11.814	mg/L	0.07	0.56%
QC value within limits for Ca 317.933 Recovery = 107.4%								
Cr 267.716†	175575.5	1.007	mg/L	0.002	1.007	mg/L	0.002	0.24%
QC value within limits for Cr 267.716 Recovery = 100.71%								
Cu 327.393†	180943.3	1.027	mg/L	0.003	1.027	mg/L	0.003	0.31%
QC value within limits for Cu 327.393 Recovery = 102.66%								
Fe 238.204†	1147.1	0.947	mg/L	0.0030	0.947	mg/L	0.0030	0.32%
QC value within limits for Fe 238.204 Recovery = 94.65%								
Mg 279.077†	431.2	0.976	mg/L	0.0165	0.976	mg/L	0.0165	1.70%
QC value within limits for Mg 279.077 Recovery = 97.57%								
Ni 231.604†	64891.9	0.988	mg/L	0.0034	0.988	mg/L	0.0034	0.35%
QC value within limits for Ni 231.604 Recovery = 98.75%								
Pb 220.353†	13474.9	0.998	mg/L	0.0002	0.998	mg/L	0.0002	0.02%
QC value within limits for Pb 220.353 Recovery = 99.8%								

QC Failed. Retry

Sequence No.: 24  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 9/29/2011 10:56:07 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	541874.2	0.984 mg/L	0.0023			0.23%
Y 360.073	302270.3	0.981 mg/L	0.0015			0.15%
Al 308.215†	32729.9	1.093 mg/L	0.0020	1.093 mg/L	0.0020	0.14%
QC value within limits for Al 308.215 Recovery = 109.28%						
Ca 317.933†	63608.9	11.821 mg/L	0.05	11.821 mg/L	0.05	0.46%
QC value within limits for Ca 317.933 Recovery = 107.47%						
Cr 267.716†	176308.1	1.011 mg/L	0.000	1.011 mg/L	0.000	0.01%
QC value within limits for Cr 267.716 Recovery = 101.13%						
Cu 327.393†	181260.8	1.028 mg/L	0.000	1.028 mg/L	0.000	0.03%
QC value within limits for Cu 327.393 Recovery = 102.84%						
Fe 238.204†	1141.7	0.942 mg/L	0.0024	0.942 mg/L	0.0024	0.25%
QC value within limits for Fe 238.204 Recovery = 94.21%						
Mg 279.077†	424.9	0.962 mg/L	0.0075	0.962 mg/L	0.0075	0.78%
QC value within limits for Mg 279.077 Recovery = 96.16%						
Ni 231.604†	65043.2	0.99 mg/L	0.0022	0.99 mg/L	0.0022	0.22%
QC value within limits for Ni 231.604 Recovery = 98.98%						
Pb 220.353†	13489.7	0.999 mg/L	0.0014	0.999 mg/L	0.0014	0.14%
QC value within limits for Pb 220.353 Recovery = 99.91%						

All analyte(s) passed QC.

Sequence No.: 25  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 9/29/2011 10:59:39 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	534040.5	0.970 mg/L	0.0012			0.12%
Y 360.073	297972.8	0.967 mg/L	0.0008			0.08%
Al 308.215†	31260.7	1.044 mg/L	0.0018	1.044 mg/L	0.0018	0.12%
QC value within limits for Al 308.215 Recovery = 104.38%						
Ca 317.933†	64692.6	12.023 mg/L	0.06	12.023 mg/L	0.06	0.52%
QC value within limits for Ca 317.933 Recovery = 109.3%						
Cr 267.716†	179009.4	1.027 mg/L	0.000	1.027 mg/L	0.000	0.03%
QC value within limits for Cr 267.716 Recovery = 102.68%						
Cu 327.393†	183338.5	1.04 mg/L	0.001	1.04 mg/L	0.001	0.07%
QC value within limits for Cu 327.393 Recovery = 104.02%						
Fe 238.204†	1176.1	0.971 mg/L	0.0036	0.971 mg/L	0.0036	0.37%
QC value within limits for Fe 238.204 Recovery = 97.05%						
Mg 279.077†	429.5	0.972 mg/L	0.0077	0.972 mg/L	0.0077	0.79%
QC value within limits for Mg 279.077 Recovery = 97.19%						
Ni 231.604†	66297.7	1.009 mg/L	0.001	1.009 mg/L	0.001	0.10%
QC value within limits for Ni 231.604 Recovery = 100.89%						
Pb 220.353†	13735.7	1.017 mg/L	0.003	1.017 mg/L	0.003	0.29%
QC value within limits for Pb 220.353 Recovery = 101.73%						

All analyte(s) passed QC.

Sequence No.: 26  
 Sample ID: CCB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 9/29/2011 11:04:20 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity				Conc. Units	Std.Dev.	
Sc 361.383	545300.6		0.990 mg/L	0.0025			0.25%
Y 360.073	306399.6		0.994 mg/L	0.0021			0.21%
Al 308.215†	-18.8		-0.001 mg/L	0.0017	-0.001 mg/L	0.0017	263.46%
QC value within limits for Al 308.215 Recovery = Not calculated							
Ca 317.933†	69.7		0.013 mg/L	0.0002	0.013 mg/L	0.0002	1.82%
QC value within limits for Ca 317.933 Recovery = Not calculated							
Cr 267.716†	187.0		0.001 mg/L	0.0004	0.001 mg/L	0.0004	34.74%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	250.5		0.001 mg/L	0.0007	0.001 mg/L	0.0007	48.32%
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 238.204†	6.9		0.006 mg/L	0.0053	0.006 mg/L	0.0053	92.09%
QC value within limits for Fe 238.204 Recovery = Not calculated							
Mg 279.077†	1.1		0.003 mg/L	0.0069	0.003 mg/L	0.0069	277.17%
QC value within limits for Mg 279.077 Recovery = Not calculated							
Ni 231.604†	37.2		0.001 mg/L	0.0000	0.001 mg/L	0.0000	1.10%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-26.1		-0.002 mg/L	0.0004	-0.002 mg/L	0.0004	22.03%
QC value within limits for Pb 220.353 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 27  
 Sample ID: 1109409-05DUP(L) [199180]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 22  
 Date Collected: 9/29/2011 11:08:23 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109409-05DUP(L) [199180]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity				Conc. Units	Std.Dev.	
Sc 361.383	537614.7		0.976 mg/L	0.0002			0.02%
Y 360.073	301119.2		0.977 mg/L	0.0009			0.09%
Al 308.215†	17070.8		0.570 mg/L	0.0032	0.57 mg/L	0.0032	0.55%
Ca 317.933†	77232.5		14.3 mg/L	0.03	14.3 mg/L	0.03	0.21%
Cr 267.716†	996.7		0.005 mg/L	0.0005	0.005 mg/L	0.0005	8.65%
Cu 327.393†	2003.8		0.010 mg/L	0.0008	0.01 mg/L	0.0008	6.99%
Fe 238.204†	1703.7		1.39 mg/L	0.006	1.39 mg/L	0.006	0.43%
Mg 279.077†	2823.2		6.39 mg/L	0.056	6.39 mg/L	0.056	0.88%
Ni 231.604†	295.6		0.003 mg/L	0.0003	0.003 mg/L	0.0003	6.87%
Pb 220.353†	-4.1		0.001 mg/L	0.0022	0.001 mg/L	0.0022	728.43%

Duplicate Check: 1109409-05DUP(L) [199180]

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Sc 361.383					
Y 360.073					
Al 308.215†	-0.001	0.570	0.003	mg/L	16.6
Ca 317.933†	0.013	14.346	0.031	mg/L	1.2
Cr 267.716†	0.001	0.005	0.000	mg/L	18.4
Cu 327.393†	0.001	0.010	0.001	mg/L	13.8
Fe 238.204†	0.006	1.394	0.006	mg/L	8.4
Mg 279.077†	0.003	6.392	0.056	mg/L	0.3
Ni 231.604†	0.001	0.003	0.000	mg/L	37.6
Pb 220.353†	-0.002	0.001	0.002	mg/L	63.5

Sequence No.: 28  
Sample ID: 1109409-05DIL(L) [199180]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 23  
Date Collected: 9/29/2011 11:13:08 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109409-05DIL(L) [199180]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	546354.7	0.992	mg/L	0.0020			0.20%
Y 360.073	307551.7	0.998	mg/L	0.0020			0.20%
Al 308.215†	4219.9	0.141	mg/L	0.0017	0.141	0.0017	1.24%
Ca 317.933†	17335.6	3.22	mg/L	0.154	3.22	0.154	4.79%
Cr 267.716†	96.0	0.000	mg/L	0.0002	0	0.0002	32.59%
Cu 327.393†	894.5	0.005	mg/L	0.0011	0.005	0.0011	21.43%
Fe 238.204†	375.5	0.307	mg/L	0.0068	0.307	0.0068	2.24%
Mg 279.077†	644.9	1.46	mg/L	0.041	1.46	0.041	2.79%
Ni 231.604†	-25.4	-0.001	mg/L	0.0001	-0.001	0.0001	38.42%
Pb 220.353†	-38.6	-0.002	mg/L	0.0016	-0.002	0.0016	55.25%

Sequence No.: 29  
Sample ID: 1109409-06(L) [199181]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 24  
Date Collected: 9/29/2011 11:17:53 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109409-06(L) [199181]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	543566.2	0.987	mg/L	0.0003			0.03%
Y 360.073	304012.7	0.987	mg/L	0.0001			0.01%
Al 308.215†	2903.9	0.099	mg/L	0.0045	0.099	0.0045	4.68%
Ca 317.933†	58757.8	10.9	mg/L	0.05	10.9	0.05	0.50%
Cr 267.716†	4622.6	0.026	mg/L	0.0002	0.026	0.0002	0.76%
Cu 327.393†	75625.4	0.428	mg/L	0.0008	0.428	0.0008	0.18%
Fe 238.204†	12578.3	10.3	mg/L	0.01	10.3	0.01	0.12%
Mg 279.077†	614.4	1.40	mg/L	0.008	1.4	0.008	0.57%
Ni 231.604†	46776.8	0.709	mg/L	0.0016	0.709	0.0016	0.22%
Pb 220.353†	1.6	0.001	mg/L	0.0037	0.001	0.0037	177.84%

Sequence No.: 30  
Sample ID: 1109409-10(L) [199182]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 25  
Date Collected: 9/29/2011 11:22:40 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109409-10(L) [199182]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	534816.4	0.971	mg/L	0.0041			0.42%
Y 360.073	298007.0	0.967	mg/L	0.0045			0.46%
Al 308.215†	8574.6	0.283	mg/L	0.0034	0.283	0.0034	1.17%
Ca 317.933†	353316.1	65.6	mg/L	0.01	65.6	0.01	0.01%
Cr 267.716†	318.6	0.000	mg/L	0.0003	0	0.0003	15.86%
Cu 327.393†	1380.0	0.005	mg/L	0.0002	0.005	0.0002	2.13%
Fe 238.204†	8524.4	6.98	mg/L	0.028	6.98	0.028	0.40%
Mg 279.077†	1467.6	3.33	mg/L	0.014	3.33	0.014	0.41%
Ni 231.604†	169.8	-0.003	mg/L	0.0000	-0.003	0.0000	1.45%
Pb 220.353†	37.9	0.007	mg/L	0.0004	0.007	0.0004	14.59%

Sequence No.: 31  
Sample ID: 1109409-11(L) [199183]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 26  
Date Collected: 9/29/2011 11:27:28 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109409-11(L) [199183]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	

Sc 361.383	535926.7	0.973	mg/L	0.0026			0.27%
Y 360.073	299350.4	0.972	mg/L	0.0030			0.30%
Al 308.215†	1679.9	0.056	mg/L	0.0033	0.056	mg/L	0.0033 5.96%
Ca 317.933†	159662.9	29.7	mg/L	0.16	29.7	mg/L	0.16 0.55%
Cr 267.716†	640.9	0.003	mg/L	0.0005	0.003	mg/L	0.0005 13.08%
Cu 327.393†	1385.6	0.006	mg/L	0.0008	0.006	mg/L	0.0008 10.54%
Fe 238.204†	9841.8	8.08	mg/L	0.004	8.08	mg/L	0.004 0.05%
Mg 279.077†	1227.2	2.78	mg/L	0.003	2.78	mg/L	0.003 0.11%
Ni 231.604†	18344.6	0.276	mg/L	0.0014	0.276	mg/L	0.0014 0.51%
Pb 220.353†	-3.8	0.002	mg/L	0.0029	0.002	mg/L	0.0029 026.92%

Sequence No.: 32

Sample ID: PBS09/29/11[199259]

Analyst:

Initial Sample Wt:

Dilution:.4X

Autosampler Location: 27

Date Collected: 9/29/2011 1:31:54 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: PBS09/29/11[199259]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	531011.6	0.964	mg/L	0.0070			0.72%
Y 360.073	293621.4	0.953	mg/L	0.0077			0.80%
Al 308.215†	554.6	0.019	mg/L	0.0033	0.0076	mg/L	0.0083 17.84%
Ca 317.933†	334.0	0.062	mg/L	0.0007	0.0248	mg/L	0.0017 1.07%
Cr 267.716†	3097.6	0.018	mg/L	0.0001	0.0072	mg/L	0.0003 0.76%
Cu 327.393†	-649.0	-0.004	mg/L	0.0004	-0.0016	mg/L	0.0010 11.29%
Fe 238.204†	44.2	0.036	mg/L	0.0048	0.0144	mg/L	0.0121 13.29%
Mg 279.077†	-0.1	0.000	mg/L	0.0230	0	mg/L	0.0574 084.34%
Ni 231.604†	420.5	0.006	mg/L	0.0002	0.0024	mg/L	0.0004 2.72%
Pb 220.353†	75.2	0.006	mg/L	0.0001	0.0024	mg/L	0.0002 1.42%

Sequence No.: 33

Sample ID: LCSS(581)09/29/11[199260]

Analyst:

Initial Sample Wt:

Dilution:.4X

Autosampler Location: 28

Date Collected: 9/29/2011 1:36:01 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: LCSS(581)09/29/11[199260]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	523922.5	0.951	mg/L	0.0022			0.23%
Y 360.073	288900.7	0.938	mg/L	0.0017			0.18%
Al 308.215†	216471.6	7.246	mg/L	0.0198	2.8984	mg/L	0.049 0.27%
Ca 317.933†	1443584.0	268.178	mg/L	2.1	107.2712	mg/L	5.4 0.80%
Cr 267.716†	125532.8	0.726	mg/L	0.0029	0.2904	mg/L	0.007 0.41%
Cu 327.393†	22496.7	0.137	mg/L	0.0109	0.0548	mg/L	0.0271 7.36%
Fe 238.204†	7755.1	6.445	mg/L	0.007	2.578	mg/L	0.02 0.10%
Mg 279.077†	5664.5	12.813	mg/L	0.04	5.1252	mg/L	0.11 0.33%
Ni 231.604†	-1990.5	-0.009	mg/L	0.0006	-0.0036	mg/L	0.0016 3.73%
Pb 220.353†	223174.3	16.527	mg/L	0.01	6.6108	mg/L	0.02 0.07%

Sequence No.: 34

Sample ID: 1109536-01(PC) [199261]

Analyst:

Initial Sample Wt:

Dilution:.4X

Autosampler Location: 29

Date Collected: 9/29/2011 1:40:20 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1109536-01(PC) [199261]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	504892.6	0.917	mg/L	0.0003			0.04%
Y 360.073	277940.9	0.902	mg/L	0.0002			0.02%
Al 308.215†	684743.0	22.84	mg/L	0.031	9.136	mg/L	0.077 0.13%
Ca 317.933†	1095698.6	204	mg/L	0.2	81.6	mg/L	0.5 0.11%
Cr 267.716†	8414999.9	48.2	mg/L	0.08	19.28	mg/L	0.2 0.17%
Cu 327.393†	2389.9	0.005	mg/L	0.0006	0.002	mg/L	0.0015 4.28%
Fe 238.204†	1872.4	1.47	mg/L	0.014	0.588	mg/L	0.035 0.90%
Mg 279.077†	6161.5	13.9	mg/L	0.03	5.56	mg/L	0.07 0.19%
Ni 231.604†	537.2	-0.009	mg/L	0.0006	-0.0036	mg/L	0.0015 7.17%
Pb 220.353†	3305632.2	245	mg/L	0.3	98	mg/L	0.7 0.11%

00187



Sequence No.: 35  
 Sample ID: 1109536-01MS(PC) [199262]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 4X

Autosampler Location: 30  
 Date Collected: 9/29/2011 1:45:29 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109536-01MS(PC) [199262]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	501920.6	0.912	mg/L	0.0063			0.69%
Y 360.073	275475.6	0.894	mg/L	0.0051			0.57%
Al 308.215†	698969.4	23.32	mg/L	0.129	9.328	0.323	0.55%
Ca 317.933†	1201815.8	223	mg/L	0.8	89.2	1.9	0.35%
Cr 267.716†	7021606.2	40.3	mg/L	0.08	16.12	0.2	0.20%
Cu 327.393†	4696.4	0.017	mg/L	0.0009	0.0068	0.0023	3.34%
Fe 238.204†	1538.9	1.19	mg/L	0.004	0.476	0.010	0.33%
Mg 279.077†	6065.4	13.7	mg/L	0.04	5.48	0.11	0.31%
Ni 231.604†	536.6	-0.011	mg/L	0.0007	-0.0044	0.0018	7.97%
Pb 220.353†	2794229.6	207	mg/L	0.6	82.8	1.4	0.27%

Sequence No.: 36  
 Sample ID: 1109536-01MSD(PC) [199263]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 4X

Autosampler Location: 31  
 Date Collected: 9/29/2011 1:50:29 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1109536-01MSD(PC) [199263]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	508768.2	0.924	mg/L	0.0053			0.58%
Y 360.073	281170.6	0.913	mg/L	0.0052			0.57%
Al 308.215†	712016.1	23.75	mg/L	0.155	9.5	0.388	0.65%
Ca 317.933†	1341930.1	249	mg/L	0.4	99.6	1.0	0.16%
Cr 267.716†	6864726.1	39.4	mg/L	0.15	15.76	0.39	0.39%
Cu 327.393†	7533.1	0.033	mg/L	0.0006	0.0132	0.0015	1.31%
Fe 238.204†	2176.7	1.71	mg/L	0.017	0.684	0.043	0.97%
Mg 279.077†	6312.3	14.3	mg/L	0.02	5.72	0.05	0.15%
Ni 231.604†	519.9	-0.013	mg/L	0.0007	-0.0052	0.0018	8.68%
Pb 220.353†	2702207.1	200	mg/L	0.8	80	2.0	0.40%

Sequence No.: 37  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 9/29/2011 1:55:26 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	529676.4	0.962	mg/L	0.0010			0.10%
Y 360.073	290545.5	0.943	mg/L	0.0002			0.02%
Al 308.215†	30757.0	1.027	mg/L	0.0073	1.027	0.0073	0.58%
QC value within limits for Al 308.215 Recovery = 102.7%							
Ca 317.933†	64710.1	12.026	mg/L	0.06	12.026	0.06	0.53%
QC value within limits for Ca 317.933 Recovery = 109.33%							
Cr 267.716†	185149.4	1.062	mg/L	0.004	1.062	0.004	0.35%
QC value within limits for Cr 267.716 Recovery = 106.2%							
Cu 327.393†	182194.3	1.034	mg/L	0.005	1.034	0.005	0.48%
QC value within limits for Cu 327.393 Recovery = 103.37%							
Fe 238.204†	1160.3	0.957	mg/L	0.0021	0.957	0.0021	0.21%
QC value within limits for Fe 238.204 Recovery = 95.74%							
Mg 279.077†	434.2	0.983	mg/L	0.0325	0.983	0.0325	3.31%
QC value within limits for Mg 279.077 Recovery = 98.25%							
Ni 231.604†	66680.2	1.015	mg/L	0.003	1.015	0.003	0.33%
QC value within limits for Ni 231.604 Recovery = 101.47%							
Pb 220.353†	14752.4	1.093	mg/L	0.000	1.093	0.000	0.04%
QC value within limits for Pb 220.353 Recovery = 109.27%							

All analyte(s) passed QC.

Sequence No.: 38  
 Sample ID: CCB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 9/29/2011 2:04:58 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	530972.5	0.964 mg/L	0.0052			0.54%
Y 360.073	296275.4	0.962 mg/L	0.0058			0.61%
Al 308.215†	137.2	0.005 mg/L	0.0052	0.005 mg/L	0.0052	113.81%
QC value within limits for Al 308.215 Recovery = Not calculated						
Ca 317.933†	153.1	0.028 mg/L	0.0008	0.028 mg/L	0.0008	2.70%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cr 267.716†	929.7	0.005 mg/L	0.0005	0.005 mg/L	0.0005	9.10%
QC value greater than the upper limit for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	-339.9	-0.002 mg/L	0.0000	-0.002 mg/L	0.0000	2.15%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	1.2	0.001 mg/L	0.0000	0.001 mg/L	0.0000	3.78%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	10.3	0.023 mg/L	0.0117	0.023 mg/L	0.0117	49.97%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	6.6	0.000 mg/L	0.0008	0 mg/L	0.0008	829.87%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	372.2	0.028 mg/L	0.0009	0.028 mg/L	0.0009	3.32%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated						

QC Failed. Retry.

Sequence No.: 39  
 Sample ID: CCB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 9/29/2011 2:08:24 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	533302.0	0.969 mg/L	0.0009			0.09%
Y 360.073	296454.9	0.962 mg/L	0.0003			0.04%
Al 308.215†	98.9	0.003 mg/L	0.0020	0.003 mg/L	0.0020	60.77%
QC value within limits for Al 308.215 Recovery = Not calculated						
Ca 317.933†	84.5	0.016 mg/L	0.0001	0.016 mg/L	0.0001	0.67%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cr 267.716†	749.7	0.004 mg/L	0.0002	0.004 mg/L	0.0002	4.33%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	-476.6	-0.003 mg/L	0.0003	-0.003 mg/L	0.0003	9.74%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	0.4	0.000 mg/L	0.0020	0 mg/L	0.0020	567.20%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	10.1	0.023 mg/L	0.0075	0.023 mg/L	0.0075	32.99%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	0.0	0.0 mg/L	0.0004	0 mg/L	0.0004	728.22%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	116.1	0.009 mg/L	0.0022	0.009 mg/L	0.0022	11.74%
QC value within limits for Pb 220.353 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 40
Sample ID: 1109536-01PSPK(PC) [199261]
Analyst:
Initial Sample Wt:
Dilution:1.0X

Autosampler Location: 12
Date Collected: 9/29/2011 2:12:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1109536-01PSPK(PC) [199261]

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc., Calib Units, Std.Dev., Sample Conc., Units, Std.Dev., RSD. Rows include Sc, Y, Al, Ca, Cr, Cu, Fe, Mg, Ni, Pb.

Sequence No.: 41
Sample ID: 1105226-01(PC) [199264]
Analyst:
Initial Sample Wt:
Dilution:1.0X

Autosampler Location: 13
Date Collected: 9/29/2011 2:17:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1105226-01(PC) [199264]

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc., Calib Units, Std.Dev., Sample Conc., Units, Std.Dev., RSD. Rows include Sc, Y, Al, Ca, Cr, Cu, Fe, Mg, Ni, Pb.

Sequence No.: 42
Sample ID: 1105226-01DUP(PC) [199265]
Analyst:
Initial Sample Wt:
Dilution:1.0X

Autosampler Location: 14
Date Collected: 9/29/2011 2:22:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1105226-01DUP(PC) [199265]

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc., Calib Units, Std.Dev., Sample Conc., Units, Std.Dev., RSD. Rows include Sc, Y, Al, Ca, Cr, Cu, Fe, Mg, Ni, Pb.

Duplicate Check: 1105226-01DUP(PC) [199265]

Table with 6 columns: Analyte, Expected Conc., Measured Conc., Std. Dev., Units, Difference (%). Rows include Al, Ca.

Cr 267.716†	0.016	0.002	0.000	mg/L
Cu 327.393†	-0.028	-0.024	0.000	mg/L
Fe 238.204†	1.53	1.282	0.001	mg/L
Mg 279.077†	27.8	22.063	0.081	mg/L
Ni 231.604†	-0.018	-0.014	0.001	mg/L
Pb 220.353†	0.934	0.697	0.004	mg/L

Sequence No.: 43  
 Sample ID: 1105226-01DIL(PC) [199265]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 15  
 Date Collected: 9/29/2011 2:27:29 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1105226-01DIL(PC) [199265]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	540820.8	0.982	mg/L	0.0005			0.05%	
Y 360.073	300983.5	0.977	mg/L	0.0008			0.08%	
Al 308.215†	81580.5	2.717	mg/L	0.0230	2.717	mg/L	0.0230	0.85%
Ca 317.933†	449740.9	83.5	mg/L	0.46	83.5	mg/L	0.46	0.55%
Cr 267.716†	384.2	0.000	mg/L	0.0002	0	mg/L	0.0002	10.95%
Cu 327.393†	-270.4	-0.005	mg/L	0.0005	-0.005	mg/L	0.0005	28.88%
Fe 238.204†	369.3	0.279	mg/L	0.0058	0.279	mg/L	0.0058	1.96%
Mg 279.077†	2193.6	4.97	mg/L	0.017	4.97	mg/L	0.017	0.35%
Ni 231.604†	196.5	-0.004	mg/L	0.0000	-0.004	mg/L	0.0000	1.89%
Pb 220.353†	2120.6	0.163	mg/L	0.0013	0.163	mg/L	0.0013	0.81%

Sequence No.: 44  
 Sample ID: 1105226-02 (PC) [199266]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 16  
 Date Collected: 9/29/2011 2:32:20 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1105226-02 (PC) [199266]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	491628.3	0.893	mg/L	0.0074			0.83%	
Y 360.073	283714.9	0.921	mg/L	0.0070			0.76%	
Al 308.215†	183994.7	6.163	mg/L	0.0672	6.163	mg/L	0.0672	1.10%
Ca 317.933†	3327435.0	618	mg/L	3.4	618	mg/L	3.4	0.56%
Cr 267.716†	12580.2	0.044	mg/L	0.0093	0.044	mg/L	0.0093	12.93%
Cu 327.393†	-1776.8	-0.050	mg/L	0.0000	-0.05	mg/L	0.0000	0.69%
Fe 238.204†	24601.6	19.9	mg/L	0.02	19.9	mg/L	0.02	0.10%
Mg 279.077†	170229.9	385	mg/L	0.3	385	mg/L	0.3	0.08%
Ni 231.604†	19528.2	0.238	mg/L	0.0030	0.238	mg/L	0.0030	1.11%
Pb 220.353†	269.8	0.099	mg/L	0.0038	0.099	mg/L	0.0038	18.17%

Sequence No.: 45  
 Sample ID: 1105226-03 (PC) [199267]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 17  
 Date Collected: 9/29/2011 2:36:40 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1105226-03 (PC) [199267]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Sc 361.383	490765.9	0.891	mg/L	0.0023			0.25%	
Y 360.073	287145.7	0.932	mg/L	0.0033			0.35%	
Al 308.215†	268518.6	8.973	mg/L	0.0517	8.973	mg/L	0.0517	0.57%
Ca 317.933†	2693323.8	500	mg/L	2.0	500	mg/L	2.0	0.40%
Cr 267.716†	6192.8	0.014	mg/L	0.0000	0.014	mg/L	0.0000	0.00%
Cu 327.393†	-1367.3	-0.038	mg/L	0.0017	-0.038	mg/L	0.0017	21.76%
Fe 238.204†	9196.9	7.34	mg/L	0.037	7.34	mg/L	0.037	0.49%
Mg 279.077†	124882.7	283	mg/L	1.4	283	mg/L	1.4	0.49%
Ni 231.604†	2937.9	-0.002	mg/L	0.0001	-0.002	mg/L	0.0001	0.06%
Pb 220.353†	257.5	0.081	mg/L	0.0017	0.081	mg/L	0.0017	9.06%

Sequence No.: 46  
Sample ID: 1109508-01 (PC) [199268]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 18  
Date Collected: 9/29/2011 2:40:57 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109508-01 (PC) [199268]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	543807.5	0.988	mg/L	0.0035			0.35%
Y 360.073	300033.7	0.974	mg/L	0.0033			0.34%
Al 308.215†	117544.4	3.926	mg/L	0.0126	3.926	0.0126	0.32%
Ca 317.933†	6515.5	1.21	mg/L	0.114	1.21	0.114	9.46%
Cr 267.716†	2569.4	0.014	mg/L	0.0006	0.014	0.0006	3.88%
Cu 327.393†	7768.5	0.043	mg/L	0.0002	0.043	0.0002	0.53%
Fe 238.204†	8933.5	7.34	mg/L	0.030	7.34	0.030	0.40%
Mg 279.077†	757.1	1.72	mg/L	0.054	1.72	0.054	3.14%
Ni 231.604†	872.0	0.013	mg/L	0.0008	0.013	0.0008	6.26%
Pb 220.353†	674.3	0.051	mg/L	0.0006	0.051	0.0006	1.17%

Sequence No.: 47  
Sample ID: 1109508-02 (PC) [199269]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 19  
Date Collected: 9/29/2011 2:45:00 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109508-02 (PC) [199269]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	528294.1	0.959	mg/L	0.0006			0.07%
Y 360.073	293200.2	0.952	mg/L	0.0008			0.08%
Al 308.215†	70185.6	2.336	mg/L	0.0024	2.336	0.0024	0.10%
Ca 317.933†	619159.8	115	mg/L	0.1	115	0.1	0.06%
Cr 267.716†	6581.5	0.035	mg/L	0.0002	0.035	0.0002	0.58%
Cu 327.393†	2129.2	0.008	mg/L	0.0006	0.008	0.0006	4.69%
Fe 238.204†	12968.5	10.6	mg/L	0.04	10.6	0.04	0.41%
Mg 279.077†	956.1	2.17	mg/L	0.023	2.17	0.023	1.08%
Ni 231.604†	788.4	0.003	mg/L	0.0003	0.003	0.0003	2.20%
Pb 220.353†	7320.5	0.550	mg/L	0.0046	0.55	0.0046	0.85%

Sequence No.: 48  
Sample ID: 1109508-03 (PC) [199270]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 20  
Date Collected: 9/29/2011 2:49:43 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109508-03 (PC) [199270]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	511621.8	0.929	mg/L	0.0036			0.39%
Y 360.073	283958.1	0.922	mg/L	0.0033			0.36%
Al 308.215†	17037859.9	568.8	mg/L	0.32	568.8	0.32	0.06%
Ca 317.933†	126968.6	23.4	mg/L	0.20	23.4	0.20	0.87%
Cr 267.716†	13963.8	0.056	mg/L	0.0008	0.056	0.0008	1.00%
Cu 327.393†	9808.6	0.005	mg/L	0.0006	0.005	0.0006	1.13%
Fe 238.204†	19629.3	15.8	mg/L	0.18	15.8	0.18	1.11%
Mg 279.077†	12270.4	27.7	mg/L	0.36	27.7	0.36	1.31%
Ni 231.604†	2100.1	-0.004	mg/L	0.0008	-0.004	0.0008	2.44%
Pb 220.353†	1840.1	0.254	mg/L	0.0019	0.254	0.0019	1.30%

Sequence No.: 49  
Sample ID: 1109536-01 (PC) [199261]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 21  
Date Collected: 9/29/2011 2:54:04 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1109536-01 (PC) [199261]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	

Sc 361.383	551647.5	1.00 mg/L	0.006			0.57%
Y 360.073	307719.7	0.999 mg/L	0.0055			0.55%
Al 308.215†	86044.9	2.871 mg/L	0.0217	2.871 mg/L	0.0217	0.76%
Ca 317.933†	129105.4	24.0 mg/L	0.35	24 mg/L	0.35	1.44%
Cr 267.716†	976152.8	5.60 mg/L	0.040	5.6 mg/L	0.040	0.72%
Cu 327.393†	487.7	0.002 mg/L	0.0007	0.002 mg/L	0.0007	24.17%
Fe 238.204†	208.9	0.164 mg/L	0.0036	0.164 mg/L	0.0036	2.14%
Mg 279.077†	740.2	1.68 mg/L	0.012	1.68 mg/L	0.012	0.73%
Ni 231.604†	33.9	-0.002 mg/L	0.0007	-0.002 mg/L	0.0007	125.71%
Pb 220.353†	387061.8	28.7 mg/L	0.21	28.7 mg/L	0.21	0.73%

Sequence No.: 50  
 Sample ID: CRI  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 9  
 Date Collected: 9/29/2011 3:05:54 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	552691.2	1.00 mg/L		0.006				0.58%
Y 360.073	317115.5	1.03 mg/L		0.006				0.58%
Al 308.215†	2789.3	0.093 mg/L		0.0047	0.093 mg/L		0.0047	5.10%
QC value within limits for Al 308.215 Recovery = 93.1%								
Ca 317.933†	334.4	0.062 mg/L		0.0019	0.062 mg/L		0.0019	2.66%
QC value within limits for Ca 317.933 Recovery = 124.4%								
Cr 267.716†	888.0	0.005 mg/L		0.0003	0.005 mg/L		0.0003	5.87%
QC value within limits for Cr 267.716 Recovery = 102%								
Cu 327.393†	1186.0	0.007 mg/L		0.0009	0.007 mg/L		0.0009	11.61%
QC value greater then the upper limit for Cu 327.393 Recovery = 134.8%								
Fe 238.204†	18.4	0.015 mg/L		0.0061	0.015 mg/L		0.0061	28.65%
QC value within limits for Fe 238.204 Recovery = 101.41%								
Mg 279.077†	27.3	0.062 mg/L		0.0027	0.062 mg/L		0.0027	4.37%
QC value within limits for Mg 279.077 Recovery = 123.6%								
Ni 231.604†	821.6	0.013 mg/L		0.0003	0.013 mg/L		0.0003	2.08%
QC value within limits for Ni 231.604 Recovery = 125%								
Pb 220.353†	128.6	0.01 mg/L		0.0046	0.01 mg/L		0.0046	48.56%
QC value within limits for Pb 220.353 Recovery = 95%								

QC Failed. Continue with analysis.

Sequence No.: 51  
 Sample ID: ICSA  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 9/29/2011 3:09:57 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	501970.2	0.912 mg/L		0.0022				0.24%
Y 360.073	276898.2	0.899 mg/L		0.0024				0.27%
Al 308.215†	2538261.7	84.7 mg/L		0.059	84.7 mg/L		0.059	0.07%
QC value within limits for Al 308.215 Recovery = 84.7%								
Ca 317.933†	580959.0	107.987 mg/L		0.5	107.987 mg/L		0.5	0.48%
QC value within limits for Ca 317.933 Recovery = 107.99%								
Cr 267.716†	-2594.3	-0.004 mg/L		0.0006	-0.004 mg/L		0.0006	9.32%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-4581.6	-0.005 mg/L		0.0000	-0.005 mg/L		0.0000	6.57%
QC value less then the lower limit for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	124735.6	102.559 mg/L		0.2	102.559 mg/L		0.2	0.18%
QC value within limits for Fe 238.204 Recovery = 102.56%								
Mg 279.077†	45121.4	102.087 mg/L		0.3	102.087 mg/L		0.3	0.28%
QC value within limits for Mg 279.077 Recovery = 102.09%								
Ni 231.604†	-1969.5	-0.011 mg/L		0.0003	-0.011 mg/L		0.0003	4.91%
QC value less then the lower limit for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	601.8	0.007 mg/L		0.0028	0.007 mg/L		0.0028	102.59%

QC value within limits for Pb 220.353 Recovery = Not calculated  
 QC Failed. Continue with analysis.

Sequence No.: 52  
 Sample ID: ICSAB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 11  
 Date Collected: 9/29/2011 3:14:24 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	482266.3	0.876 mg/L	0.0028			0.32%
Y 360.073	268214.3	0.870 mg/L	0.0026			0.30%
Al 308.215†	2596308.8	86.637 mg/L	0.786	86.637 mg/L	0.786	0.91%
QC value within limits for Al 308.215 Recovery = 86.64%						
Ca 317.933†	582676.2	108.311 mg/L	0.1	108.311 mg/L	0.1	0.13%
QC value within limits for Ca 317.933 Recovery = 108.31%						
Cr 267.716†	179915.4	1.042 mg/L	0.002	1.042 mg/L	0.002	0.23%
QC value within limits for Cr 267.716 Recovery = 104.23%						
Cu 327.393†	183506.5	1.062 mg/L	0.003	1.062 mg/L	0.003	0.33%
QC value within limits for Cu 327.393 Recovery = 106.16%						
Fe 238.204†	125674.1	103.332 mg/L	0.4	103.332 mg/L	0.4	0.37%
QC value within limits for Fe 238.204 Recovery = 103.33%						
Mg 279.077†	44787.4	101.331 mg/L	0.3	101.331 mg/L	0.3	0.30%
QC value within limits for Mg 279.077 Recovery = 101.33%						
Ni 231.604†	68677.2	1.063 mg/L	0.003	1.063 mg/L	0.003	0.18%
QC value within limits for Ni 231.604 Recovery = 106.31%						
Pb 220.353†	14721.0	1.054 mg/L	0.001	1.054 mg/L	0.001	0.06%
QC value within limits for Pb 220.353 Recovery = 105.37%						

All analyte(s) passed QC.

Sequence No.: 53  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 9/29/2011 3:18:47 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	503477.4	0.914 mg/L	0.0009			0.10%
Y 360.073	279193.3	0.906 mg/L	0.0008			0.09%
Al 308.215†	30876.2	1.031 mg/L	0.0030	1.031 mg/L	0.0030	0.23%
QC value within limits for Al 308.215 Recovery = 103.09%						
Ca 317.933†	62419.9	11.601 mg/L	0.08	11.601 mg/L	0.08	0.73%
QC value within limits for Ca 317.933 Recovery = 105.46%						
Cr 267.716†	175349.5	1.006 mg/L	0.004	1.006 mg/L	0.004	0.42%
QC value within limits for Cr 267.716 Recovery = 100.58%						
Cu 327.393†	180203.5	1.022 mg/L	0.004	1.022 mg/L	0.004	0.39%
QC value within limits for Cu 327.393 Recovery = 102.24%						
Fe 238.204†	1264.4	1.043 mg/L	0.001	1.043 mg/L	0.001	0.06%
QC value within limits for Fe 238.204 Recovery = 104.28%						
Mg 279.077†	459.0	1.039 mg/L	0.018	1.039 mg/L	0.018	1.69%
QC value within limits for Mg 279.077 Recovery = 103.86%						
Ni 231.604†	64735.2	0.985 mg/L	0.0048	0.985 mg/L	0.0048	0.49%
QC value within limits for Ni 231.604 Recovery = 98.51%						
Pb 220.353†	13405.9	0.993 mg/L	0.0035	0.993 mg/L	0.0035	0.35%
QC value within limits for Pb 220.353 Recovery = 99.29%						

All analyte(s) passed QC.

Sequence No.: 54  
 Sample ID: CCB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 9/29/2011 3:24:43 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	540674.3	0.982 mg/L	0.0007			0.07%
Y 360.073	303275.6	0.984 mg/L	0.0011			0.11%
Al 308.215†	-77.8	-0.003 mg/L	0.0035	-0.003 mg/L	0.0035	132.90%
QC value within limits for Al 308.215 Recovery = Not calculated						
Ca 317.933†	59.7	0.011 mg/L	0.0004	0.011 mg/L	0.0004	3.37%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cr 267.716†	19.6	0.000 mg/L	0.0001	0 mg/L	0.0001	93.09%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	196.7	0.001 mg/L	0.0000	0.001 mg/L	0.0000	2.96%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	5.8	0.005 mg/L	0.0050	0.005 mg/L	0.0050	104.46%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	10.3	0.023 mg/L	0.0025	0.023 mg/L	0.0025	10.77%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	-4.0	0.000 mg/L	0.0008	0 mg/L	0.0008	299.75%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	11.7	0.001 mg/L	0.0027	0.001 mg/L	0.0027	311.41%
QC value within limits for Pb 220.353 Recovery = Not calculated						

All analyte(s) passed QC.



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## Metals Digestion Logs

*Environmental Quality Services, Inc.*

**Environmental Quality Services, Inc.  
METALS DIGESTION LOGBOOK**

Initials: RA  
Prep Date: 9/26/2011  
TEMP: \_\_\_\_\_

Print Date: 10/14/2011

ICP Spike: \_\_\_\_\_  
LCSW Standard: \_\_\_\_\_  
LCSS Standard: \_\_\_\_\_  
HNO3 LOT#: \_\_\_\_\_  
HCL LOT#: \_\_\_\_\_  
H2O2 LOT#: \_\_\_\_\_

Method 3010A \_\_\_\_\_  
Method 3050B \_\_\_\_\_  
Method 7300 \_\_\_\_\_

Sample Custody	Matrix	PrepID	pH	Initial Weight (g) / Initial Volume (mL)	Final Volume (mL)	Sample Type	Standard Code	DIGESTION TIME	
								In	Out
PBW-78	L	199162		50	50	B		9:30:00 AM	12:05:00 PM
LCSW-02	L	199163		50	50	Q			
1109409-01	L	199164		50	50	S			
1109409-02	L	199165		50	50	S			
1109409-03	L	199166		50	50	S			
1109409-04	L	199167		50	50	S			
1109409-04MS	L	199168		50	50	M			
1109409-04MSD	L	199169		50	50	N			
1109409-05	L	199170		50	50	S			
1109409-05DUP	L	199180		50	50	D			
1109409-06	L	199181		50	50	S			
1109409-10	L	199182		50	50	S			
1109409-11	L	199183		50	50	S			
1109396-01	L	199184		20	50	S			
1109396-02	L	199185		20	50	S			
1109396-03	L	199186		20	50	S			
1109396-04	L	199187		20	50	S			
1109396-05	L	199188		20	50	S			
1109396-06	L	199189		20	50	S			
PBS-01	S	199190		0.5	50	B		1:30:00 AM	2:35:00 AM
PBS-01MS	S	199191		0.5	50	M			
LCSS(060)-00	S	199193		0.209	50	Q			
1109412-01	S	199194		0.496	50	S			
1109412-01MS	S	199195		0.506	50	M			
1109412-01MSD	S	199196		0.49	50	N			
1109412-02	S	199197		0.492	50	S		2:30:00 AM	5:00:00 AM
1109412-02DUP	S	199198		0.507	50	D			
1109412-03	S	199199		0.509	50	S			
1109412-04	S	199200		0.502	50	S			
1109412-05	S	199201		0.502	50	S			
1109412-06	S	199202		0.492	50	S			
1109412-07	S	199203		0.5	50	S			
1109412-08	S	199204		0.509	50	S			
PBS-01	S	199205		2	50	B		2:30:00 AM	
1109456-01	OL	199206		2.009	50	S			
1109456-02	OL	199239		2.014	50	S			
1109456-03	OL	199240		2.012	50	S			
1109458-01	OL	199241		2.007	50	S			
1109458-01DUP	OL	199242		2.001	50	D			

**Environmental Quality Services, Inc.  
METALS DIGESTION LOGBOOK**

Initials: RA \_\_\_\_\_  
 Prep Date: 9/26/2011 \_\_\_\_\_  
 TEMP: \_\_\_\_\_

Print Date: 10/14/2011

ICP Spike: \_\_\_\_\_  
 LCSW Standard: \_\_\_\_\_  
 LCSS Standard: \_\_\_\_\_  
 HNO3 LOT#: \_\_\_\_\_  
 HCL LOT#: \_\_\_\_\_  
 H2O2 LOT#: \_\_\_\_\_

Method 3010A \_\_\_\_\_  
 Method 3050B \_\_\_\_\_  
 Method 7300 \_\_\_\_\_

Sample Custody	Matrix	PrepID	pH	Initial Weight (g) / Initial Volume (mL)	Final Volume (mL)	Sample Type	Standard Code	DIGESTION TIME	
								In	Out
1109461-01	OL	199243		2.017	50	S			

GC/MS-SV ANALYSIS CHECK-OFF SHEET

COCH#: 1109409

\* → rvd pkg = 11/13/11

Please check-off all sections, initial and date below, and return with all QC Packages.

QC Pass/Meet Criteria?		Goldman - Level 4	method 625 8270
<input type="checkbox"/> YES	<input type="checkbox"/> NO	<b>HOLDING TIME INFORMATION:</b> SW846 extraction and analytical holding times met? (7/40 days for Water & 14/40 days for Soil) >> QC Use Only. Dates - Collected Received: 9/22/11 Extracted: 9/28 Analyzed 9/28/11	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	<b>SAMPLE INFORMATION:</b> Analyzed as per the required protocols	#7, 8, 9, 12 - aqueous samples
<input type="checkbox"/> YES	<input type="checkbox"/> NO	All cross-offs made and initialed and dated.	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	Were sample concentrations in exceedence of the highest Calibration Factor (E)? >> QC Use Only - List samples:	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	Were analytical dilutions performed (DL)? >> QC Use Only - List samples:	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	Were re-analyses performed (RE)? >> QC Use Only - List samples:	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 2 - SURROGATE RECOVERY INFORMATION:</b> %Recovery for ALL Blanks and MSB must meet criteria.	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	2 out of 3 Acid AND/OR 2 out of 3 Base %R for ALL Samples, MS/MSD meet QC criteria?	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 3 (MSB) - MATRIX SPIKE BLANK (Required for LEVEL-4, CAT B, CLP only)</b> All %Recoveries must meet QC criteria	MSB06
<input type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 3 - MATRIX SPIKE/MATRIX SPIKE DUPLICATE:</b> MS/MSD - Batch QC	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	MS/MSD - All spike %Recoveries fell within specified QC limits	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	MS/MSD - All spike %RPDs fell within specified QC limits	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	MS/MSD - <u>Site Specific QC</u> - All spike %Recoveries fell within specified QC limits.	07 MS/SD
<input type="checkbox"/> YES	<input type="checkbox"/> NO	MS/MSD - All spike %RPDs fell within specified QC limits	
		>> QC Use Only. NOTE OUTLIERS BELOW: ( ) out of ( ) spike recoveries and ( ) out of ( ) %RPDs fell outside QC limits	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<b>QC FORM 4 - METHOD BLANKS:</b> SBK06 - Blank Contamination?(QC Limits = sample conc must be >10x blank conc) Common Lab Contaminants bis(2 ethylhexyl)phthalate - Di-n-octyl phthalate -	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 5 - TUNE SPECIFICATION:</b> SW846 DFTPP QC Criteria - ALL %Relative Abundance must pass specified QC limits.	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	SW846 DFTPP Clock Criteria - all samples run before 12 hours for 8000, 24 hours for 600 series	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 6 - INITIAL CALIBRATION:</b> C2732 - 9/9/11 SW846 All required SPCC's meet minimum RRF of 0.05 and required CCC's meet %RSD of < 30%	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 7 - CONTINUING CALIBRATION:</b> C 2743 - 9/28/11 SW846 All required SPCC's meet minimum RRF of 0.05 and required CCC's meet %D of < 20%.	
<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<b>QC FORM 8 - INTERNAL STANDARD:</b> Area/Retention Time Shift for ALL Blanks, Samples, MSB, MS/MSD must meet criteria.	

General Comments:

Laboratory Reviewer's Initials: \_\_\_\_\_ Date: \_\_\_\_\_

Data/QC Reviewer's Initials: RE Date: 10/13/11

>>QC USE ONLY: Following the review, please arrange the QC package in the following sequence:  
 (1) QC forms 2-5,8 (2) Sample Raw Data (3) Form 6 followed by raw data, Form 7 followed by raw data  
 (4) Raw Data for DFTPP Tune, BLK, MSB,MS,MSD (5) Extraction and Analytical Logbook Copies

write a level 4 case memo - to be added to the report -



COC#: 5E+05 1109409

Please check-off all sections, initial and date below, and return with all QC Packages.

QC Pass/Meet Criteria?		12 aq samples Ni, Cr, Cu #5, #6, #10 / Ni, 1-4, 11
<input checked="" type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>HOLDING TIMES:</b> SW846 digestion and analytical holding times met? (6 mos./ 6 mos. for Water & Soil) >> QC Use Only: Dates - Collected: 9/21 Received: 9/22 Digested: 9/26/11 Analyzed: 9/29
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>INITIAL CALIBRATION:</b> Calibration performed once daily or every 24 hours? 6 cal s + ds set ✓ Correlation coefficient for all elements >0.995?
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>SAMPLES &amp; COVER PAGE:</b> Analyzed as per the required protocols? Cover Page listing all samples included in QC package?
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORM 2A - INITIAL AND CONTINUING CALIBRATION VERIFICATION</b> C4202 ICV - %Recovery for all associated elements must be 90-110%. CCV - %Recovery for all associated elements must be 90-110%. >> QC USE ONLY: Note associated CCV numbers: Cr, Cu - ICV
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORM 2B - CRDL STANDARD FOR ICP (CRI) - Initial &amp; Final</b> Ni, Cr, Cu - <del>ICV</del> AVERA ✓ CRI run at both the beginning and end of analytical run? CRI - must be analyzed at 2x CRDL (excludes: Al, Ba, Ca, Fe, Mg, Na, K)
<input type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>QC FORM 3 - BLANKS</b> PB (199162) C4202-13 all clear ICB - absolute value of all associated elements must be <CRDL. CCB - absolute values must be <CRDL for all CCB associated with samples. >> QC USE ONLY: Note associated CCB numbers. PREP BLANKS (PBW, PBS) absolute values of the associated elements must be <CRDL QC Criteria: PB(W/S) must be <CRDL. for PB >CRDL, samples must be >10x PB. for PB High negatives, samples must be >10x CRDL
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORM 4 - ICP INTERFERENCE CHECK SAMPLE - Initial &amp; Final</b> ICSA & ICSAB run at both the beginning and end of analytical run? ICSA - (values: Al, Ca, Mg=500ppm, Fe=200ppm) %Recovery must be 80-120% ICSAB - (values: Ag, Cd, Ni, Pb, Zn=1.0ppm, Ba, Be, Co, Cr, Cu, Mn, V=0.5ppm) %Rec. must be 80-120%
<input checked="" type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>QC FORMS 5A, 5B - MATRIX SPIKE (MS) &amp; POST DIGESTION SPIKE (PSPK)</b> 1109409-4 MS/5B FORM 5A - MS/MSD %Recovery must be 75-125%, where sample concentration is <4x spike value NOTE: If %Recoveries in MS not met, a Post Digestion Spike must be performed: FORM 5B - POST SPK %Recovery must be 75-125% for all elements that failed the MS >> QC USE ONLY: Note ID of Spiked sample: Ni = 54.3% re / post spike - ok
<input type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORM 6 - DUPLICATE ANALYSIS</b> 1109409-05 - Dup = %RPD must be <20%, when the elements in the samples are >5x CRDL. >> QC USE ONLY: Note ID of Duplicate sample: 01 in MSD v ✓ Ni - RPD - is out
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORM 7 - LABORATORY CONTROL SAMPLE (LCSW, LCSS)</b> C4202-14 LCSW - ALL %Recoveries must be 80-120% for water samples LCSS - ALL results must fall within Specified EPA Limits for soil samples
<input checked="" type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>QC FORM 8 - SERIAL DILUTIONS</b> #5 - serial IDL - Serial Dilutions must be performed for all matrices at a 5x dilution. %Difference must be <10%, when the element concentration is >50x IDL? >> QC USE ONLY: Note ID of Diluted sample: all ok
<input checked="" type="checkbox"/> YES ( ) NO	<input checked="" type="checkbox"/> YES ( ) NO	<b>QC FORMS 9, 11A, 12:</b> FORM 9 - Instrument Detection Limits (Quarterly) - Included in QC Package? FORM 11A - ICP Interlelement correction Factors (Annually) - Included in QC Package? FORM 12 - ICP Linear Ranges (Quarterly) - Included in QC Package?
<input checked="" type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>QC FORM 13 - PREPARATION LOG</b> ALL samples and associated QC (PB, LCS, MS, MSD, DUP) listed on the preparation log?
<input checked="" type="checkbox"/> YES ( ) NO	<input type="checkbox"/> YES ( ) NO	<b>QC FORM 14 - ANALYSIS RUN LOG</b> ALL samples and QC associated with the analytical batch listed on the analysis run log?
General Comments: raw data checks - C4202 - ICV, CRA - ✓		
Laboratory Reviewer's Initials: _____ Date: _____		
Data/QC Reviewer's Initials: RE Date: 10/14/11		
>>QC USE ONLY: Following the review, please arrange the QC package in the following sequence: (1) QC forms Cover-14 (2) RAW DATA analytical batches arranged by date (3) Logbook Copies		

levely  
case narrative  
written -  
add to  
data pkg / report

## **Analytical Data Package for:**

**Goldman Environmental Consultants  
60 Brooks Avenue  
Braintree, MA 02184**

**Project: WATTS - Wyandanch, NY**

**EQS Custody Numbers: 1204168**

**Dates Received: 04/12/2012**

**Sample Results & QC Package**

**Prepared by:**



*Environmental Quality Services, Inc.  
208 Route 109, Farmingdale, NY 11735  
Phone - 631.249.1456 Fax - 631.249.8344*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

**Laboratory Identifier: 1204168**

Received: 4/12/2012 14:46

Sampled by: M Bradley/ M. Wilson

**Client: Goldman Environmental Consultants**

60 Brooks Avenue

Braintree,

MA 02184

**Project: WATTS**

248 Wyandanch Ave

Wyandanch,

NY

**Manager: Matt Wilson**

Respectfully submitted,

---

*Juan R. Cuba - Technical Director*

NYS Lab ID # 10969

NJ Lab ID # PH0645

CT Lab ID # PH0645

PA Lab ID # 68-0053

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Quality Services, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

Environmental Quality Services, Inc.  
208 Route 109 Suite 101  
Farmingdale, NY 11735  
631-249-1456

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the following case narratives. Release of the data contained in this hard copy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Adlene A. Schork  
Signature

QC Manager  
Title

6/18/12  
Date



# TABLE OF CONTENTS

- I. *General Information*
  - Chain of Custody Documents
  - Sample Identification Cross Reference Table
  - Data Package Summary Forms (ASP Forms)
  - Case Narratives
  - Methodology Summary
  - Data Reporting Qualifiers
  - Sample Calculation Examples
- II. *Sample Results*
- III. *QC Data*
  - Semivolatile Data***
    - Semivolatile QC Data
    - Semivolatile Sample Data
    - Semivolatile Standards Data
    - Semivolatile Raw QC Data
    - Semivolatile Extraction Logs / Analysis Logs
  - Metals Data***
    - Metals Sample Data
    - Metals Raw QC Data
    - Metals Digestion Logs

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

## General Information

*Environmental Quality Services, Inc.*



# CHAIN OF CUSTODY

208 Route 109, Suite 101 Farmingdale, NY 11735  
(T) 631-249-1456 (F) 631-249-8344  
www.eqservices.org

12-04168

1204168



Rec'd Date: 04/12/12 14:46

Page 1 of 2

Client Information			Project Information																	
Company Name <b>EQS</b>	Project Name <b>WNTS</b>	Address <b>60 Brooks Drive</b>	Street <b>215 Wyandanch Ave</b>	City <b>Wyandanch</b>	State <b>NY</b>															
City <b>BOSTON</b>	State <b>MA</b>	Zip <b>02124</b>	Project # <b>444-7410</b>	Zip <b>11794</b>																
Project Contact <b>Michael Dill</b>	Sampler's Name <b>MICHAEL WILSON</b>	Phone # <b>781-356-9440</b>	Sampler's Signature <i>[Signature]</i>	Zip <b>02124</b>																
E-mail <b>mwilson@eqs.com</b>	Sampler's Signature <i>[Signature]</i>	Fax #	Sample Collection																	
LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Date	Time	WVVol (Air Volume in Liters)	Sample Containers														
						Total # of bottles	None	5	NaOH	HNO3	H2SO4	NaOH	OTHER							
1	MP-2	L	4-2-12	1602	1															
2	MP-3	L	4-2-12	1430	1															
3	MP-4	L	4-2-12	1515	1															
4	MP-5	L	4-2-12	1425	1															
5	MP-10	L	4-2-12	1753	1															
6	MP-12	L	4-2-12	1724	1															
7	MP-20	L	4-2-12	1715	1															
8	MP-21	L	4-2-12	1625	1															
9	MP-25	L	4-2-12	1555	1															
10	MP-26	L	4-2-12	1500	1															

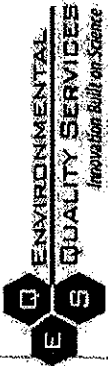
LAB USE ONLY		Comments / Remarks
<input checked="" type="checkbox"/> TBA <input type="checkbox"/> NAHP <input type="checkbox"/> TCL <input type="checkbox"/> STARS <input type="checkbox"/> DTCL <input type="checkbox"/> PAH <input type="checkbox"/> DTCL <input type="checkbox"/> 6270 <input type="checkbox"/> 625 <input type="checkbox"/> DTCL <input type="checkbox"/> STARS <input type="checkbox"/> PAH <input type="checkbox"/> DTCL <input type="checkbox"/> DEPH <input type="checkbox"/> DRO <input type="checkbox"/> GRO <input type="checkbox"/> 8100 <input type="checkbox"/> MISOH1500 <input type="checkbox"/> METALS <input type="checkbox"/> TOTAL <input type="checkbox"/> DTCL <input type="checkbox"/> RCRA <input type="checkbox"/> DTCLP <input type="checkbox"/> Mercury <input type="checkbox"/> Hardness <input type="checkbox"/> Lead <input type="checkbox"/> Flash <input type="checkbox"/> pH <input type="checkbox"/> Reactivity <input type="checkbox"/> TSS <input type="checkbox"/> O&G <input type="checkbox"/> 1664 <input type="checkbox"/> TPH <input type="checkbox"/> 1664 <input type="checkbox"/> Cyanide <input type="checkbox"/> COD <input type="checkbox"/> BOD	TIC: <input type="checkbox"/> +10 <input type="checkbox"/> +15 <input type="checkbox"/> +25 <input type="checkbox"/> +99	

<input checked="" type="checkbox"/> CLP Category A (Level-1) <input type="checkbox"/> CLP Category B (Level-4) <input type="checkbox"/> ASP QC Package (Level-4) <input type="checkbox"/> Other <input type="checkbox"/> EDD Format	<input type="checkbox"/> Results Only (Level-1) <input type="checkbox"/> Results plus Misc. QC (Level-2) <input type="checkbox"/> Results plus ALL QC (Level-3) <input type="checkbox"/> MA QC Package (Level 1MA) <input type="checkbox"/> NJ QC Package (Level 3NJ) (EDD Formats: Excel, pdf, EQU'S, GIS, GISKEY, SPDES, ASCII, TAGM, OENJ)	EQS COC Review Check List (LAB USE ONLY) <input type="checkbox"/> Task Log In and Initial Review <input type="checkbox"/> Final Review and Approval <input type="checkbox"/> Complete and Invoiced
---	--	---

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by:	Date / Time:	Received By:	Date / Time:
1 <i>[Signature]</i>	4/2/12 15:40	2 <i>[Signature]</i>	4/2/12
3 <i>[Signature]</i>	3	4 <i>[Signature]</i>	4
5 <i>[Signature]</i>	5		

LAB USE ONLY	Standard 7-10 Business Days	Turnaround Time (Business Days)		Data Deliverable Information	
		1 Day RUSH	2 Day RUSH	CLP Category A (Level-1)	CLP Category B (Level-4)
1	5 Day RUSH	1	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	4 Day RUSH	2	3	<input type="checkbox"/>	<input type="checkbox"/>
3	3 Day RUSH	3	4	<input type="checkbox"/>	<input type="checkbox"/>
4	2 Day RUSH	4	5	<input type="checkbox"/>	<input type="checkbox"/>
5	1 Day RUSH	5		<input type="checkbox"/>	<input type="checkbox"/>



# CHAIN OF CUSTODY

208 Route 109, Suite 101 Farmingdale, NY 11735  
(T) 631-249-1456 (F) 631-249-8344

www.esqservices.org

12-04168 (Place EOS Lab ID Label here) page 2 of 2

**Client Information**  
 Company Name: GEC  
 Address: 1245  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Contact: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

**Project Information**  
 Project Name: Watts  
 Street: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler's Name: \_\_\_\_\_  
 Sampler's Signature: \_\_\_\_\_

LAB SAMPLE # (LAB USE ONLY)	Sample Information		Sample Collection				Sample Containers							Matrix Code										
	Sample ID	Sample Type	Matrix Code	Date	Time	WVVol (Air Volume in Liters)	Total # of bottles	None	H2O	HNO3	H2SO4	NaOH	HNO3		H2SO4	OTHER								
	<u>FIELD DWP</u>	<u>DWP</u>	<u>MS</u>																					
<u>11</u>	<u>FIELD DWP</u>	<u>DWP</u>	<u>MS</u>		<u>1555</u>																			
	<u>FIELD DWP</u>	<u>DWP</u>	<u>MS</u>		<u>1724</u>																			
	<u>MS</u>	<u>MW23(9)</u>	<u>MS</u>		<u>1555</u>																			
	<u>MS</u>	<u>MW12(6)</u>	<u>MS</u>		<u>1724</u>																			
	<u>MS</u>	<u>DWP MW17(6)</u>	<u>MS</u>		<u>1430</u>																			
	<u>MS</u>	<u>DWP MW3(2)</u>	<u>MS</u>		<u>1430</u>																			
<u>12</u>	<u>FIELD DWP</u>	<u>DWP</u>	<u>MS</u>		<u>1515</u>																			

**Turnaround Time (Business Days)**  
 Standard 7-10 Business Days  
 5 Day RUSH  
 4 Day RUSH  
 3 Day RUSH  
 2 Day RUSH  
 1 Day RUSH

**LAB USE ONLY**  
 IAT Approved By/Date: \_\_\_\_\_  
 Results Only (Level-1)  
 Results plus Misc. QC (Level-2)  
 Results plus ALL QC (Level-3)  
 MA QC Package (LevelMA)  
 NJ QC Package (LevelNJ)  
 (EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Aqcl, TAGM, OENJ)  
 CLP Category A (Level-1)  
 CLP Category B (Level-4)  
 ASP QC Package (Level-4)  
 Other: \_\_\_\_\_  
 EDD Format: \_\_\_\_\_

**EOS COC Review Check List (LAB USE ONLY)**  
 Task Log In and Initial Review Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Final Review and Approval Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Complete and Invoiced Init: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**Sample custody must be documented below, each time samples change possession, with a signature, date, and time.**

Relinquished by:	Date / Time:	Received By:	Date / Time:
<u>Matthew Neil</u>	<u>12/4/12 10:40</u>	<u>[Signature]</u>	<u>2</u>
<u>0006</u>	<u>3</u>	<u>[Signature]</u>	<u>4</u>
<u>5</u>	<u>5</u>	<u>[Signature]</u>	<u>5</u>

**COOLER INFORMATION**  
 On Ice  Sample Receipt Discrepancy (attach information)  Preserved where applicable  
 Cooler Temp: \_\_\_\_\_

**ENVIRONMENTAL QUALITY SERVICES, INC.**  
**SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY**

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE COLLECTED	DATE RECEIVED	Analytical Requirements							
					V	SV	GC	GCV	MET	WC	OFF	
1204168-01	MW-2	L	4/2/2012	4/12/2012						X		
1204168-02	MW-3	L	4/2/2012	4/12/2012						X		
1204168-02MS	MW-3	L	4/2/2012	4/12/2012						X		
1204168-02MS	MW-3	L	4/2/2012	4/12/2012						X		
1204168-03	MW-4	L	4/2/2012	4/12/2012						X		
1204168-04	MW-5R	L	4/2/2012	4/12/2012						X		
1204168-05	MW-10	L	4/2/2012	4/12/2012						X		
1204168-06	MW-12	L	4/2/2012	4/12/2012						X		
1204168-06MS	MW-12	L	4/2/2012	4/12/2012						X		
1204168-06MS	MW-12	L	4/2/2012	4/12/2012						X		
1204168-07	MW-20	L	4/2/2012	4/12/2012		X						
1204168-08	MW-21	L	4/2/2012	4/12/2012		X						
1204168-09	MW-23	L	4/2/2012	4/12/2012		X						
1204168-09MS	MW-23	L	4/2/2012	4/12/2012		X						
1204168-09MS	MW-23	L	4/2/2012	4/12/2012		X						
1204168-10	MW-26R	L	4/2/2012	4/12/2012						X		
1204168-11	field Blank Dup	L	4/2/2012	4/12/2012						X		
1204168-12	Field Blank Dup	L	4/2/2012	4/12/2012						X		

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA) - 8270  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1204168-07	L	4/2/2012	4/12/2012	04/13/12	04/23/2012	1	C2854-6459
1204168-08	L	4/2/2012	4/12/2012	04/13/12	04/23/2012	1	C2854-6460
1204168-09	L	4/2/2012	4/12/2012	04/13/12	04/23/2012	1	C2854-6461
1204168-09MS	L	4/2/2012	4/12/2012	04/13/12	04/23/2012	1	C2854-6462
1204168-09MSD	L	4/2/2012	4/12/2012	04/13/12	04/23/2012	1	C2854-6463

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
METALS - CU+CR  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1204168-11	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-30

ASP FORM/LABORATORY CHRONICLE  
SAMPLE PREPARATION AND ANALYSIS SUMMARY  
METALS - NI+CR+CU  
ANALYSIS

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1204168-05	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-22
1204168-06	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-25
1204168-06MS	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-26
1204168-06MSD	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-27
1204168-10	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-29



**ASP FORM/LABORATORY CHRONICLE**  
**SAMPLE PREPARATION AND ANALYSIS SUMMARY**  
**METALS - NICKEL**  
**ANALYSIS**

LAB SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED	DILUTION FACTOR	FILE ID
1204168-01	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-15
1204168-02	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-16
1204168-02MS	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-17
1204168-02MSD	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-18
1204168-03	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-20
1204168-04	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-21
1204168-12	L	4/2/2012	4/12/2012	04/19/12	04/23/12	1	C4281-31

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Case Narrative

### SEMIVOLATILES ANALYSIS GCMS-SV

#### INTRODUCTION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures.

All required QA/QC parameters met acceptable limits unless otherwise noted.

#### HOLDING TIME INFORMATION

All analyses were performed within required holding times.

#### SAMPLE INFORMATION

Samples were analyzed as per the required protocols. No analytical problems were encountered.

#### SURROGATE RECOVERY INFORMATION

All surrogate recoveries met QC criteria with the exception of sample 1204168-09, which could possibly be due to matrix interference. There was no additional sample to re-extract and no further action taken.

#### MATRIX SPIKE BLANK

Hexachloroethane was slightly below the QC limits of 40% (37.2%). The spike recoveries for the remaining 19 compounds of the matrix spike blank were within QC limits.

#### MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample 1204168-09 was utilized for the MS/MSD analyses. Two spike recoveries for pentachlorophenol were higher than the upper QC limits. The remaining 38 compounds were within the spike recovery QC limits. All %RPDs were within QC limits.

#### METHOD BLANK

The method blank associated with these samples did not contain target compounds at or above the QC limits.

#### TUNE PERFORMANCE

All Tune (DFTPP) specifications met QC criteria.

#### CALIBRATION INFORMATION

Initial Calibration:

All required minimum RRFs and maximum %RSD requirements have been met in accordance with the Method, with the exception of pentachlorophenol and 2,4-Dinitrophenol. After taking out two

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Case Narrative

points of the initial calibration curve, the pentachlorophenol %RSD was within QC limits.

Average Response was used as the method of quantitation with the exception of the following compounds whose %RSD was >15%. For these compounds, linear regression was used, which demands qualifying results as estimated:

Benzoic acid (coefficient 0.949)  
Hexachlorocyclopentadiene (coefficient 0.949)  
2,4-Dinitrophenol (coefficient 0.974)  
2,3,4,6-Tetrachlorophenol (coefficient 0.997)  
4-Nitrophenol (coefficient 0.998)  
2,4-Dinitrotoluene (coefficient 0.998)  
2,3,4,6-Tetrachlorophenol (coefficient 0.997)  
4,6-Dinitro-2-methylphenol (coefficient 0.972)  
2,4,6-Tribromophenol (coefficient 0.984)  
Pentachlorophenol (coefficient 0.941)

Continuing Calibration: All required minimum RRFs and maximum %D requirements have been met in accordance with the Method except 2,4-Dinitrophenol.

## INTERNAL STANDARDS

All area responses and retention times fell within acceptable ranges.

The data from these samples correlates with historical data from this site.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Case Narrative

### METALS ANALYSIS - ICP

Analytical Batch: C4281

### SAMPLE INFORMATION

Samples were analyzed in accordance with protocols based on SW846 Methodologies, using accepted QA/QC procedures. All required QA/QC parameters met acceptable limits unless otherwise noted below.

### HOLDING TIME INFORMATION

All analyses were performed within required holding times.

### INITIAL & CONTINUING CALIBRATION VERIFICATION INFORMATION

#### Initial Calibration Verification (ICV):

All recoveries for the ICV associated with the samples were within QC limits.

#### Continuing Calibration Verification (CCV):

All recoveries for the CCV associated with the samples were within QC limits.

### LOQ STANDARD INFORMATION

#### Level of Quantitation Standard (CRI):

An initial and final CRI sample was analyzed at the required levels.

### BLANK INFORMATION

#### Initial Calibration Blank (ICB):

All concentrations for the ICB associated with the samples met QC criteria.

#### Continuing Calibration Blank (CCB):

All concentrations for the CCB associated with the samples met QC criteria.

#### Preparation Blank (PB):

The Preparation Blank associated with the samples did not contain any target elements at or above the QC limits.

### INTERFERENCE CHECK SAMPLE INFORMATION

#### Initial Interference Check Sample (ICSA):

All recoveries for the Initial and Final ICSA associated with the samples were within QC limits.

#### Initial Interference Check Sample (ICSAB):

All recoveries for the Initial and Final ICSAB associated with the samples were within QC limits.

### MATRIX SPIKE & POST DIGESTION SPIKE INFORMATION

Site Specific QC Samples 1204168-02 and 1204168-06 were utilized for the matrix spike analyses.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Case Narrative

All spike recoveries for sample 1204168-02 fell within QC limits; all spike recoveries for sample 1204168-06 fell within QC limits, with the exception of Nickel.

A Post Digestion spike was performed for both samples. The Nickel recovery was outside control limits for 1204168-06, indicating matrix interference.

## DUPLICATE SAMPLE INFORMATION

Site specific QC Samples 1204168-02MSD and 1204168-06MSD were utilized for the Duplicate (DUP) analyses. All %RPD met QC criteria.

## LABORATORY CONTROL SAMPLE INFORMATION

All recoveries for the LCSW associated with the samples fell within QC limits with the exception of copper, which was only slightly higher than the upper limit (121%).

## SERIAL DILUTION SAMPLE INFORMATION

Batch QC Sample 1204247-01DIL was utilized for the Serial Dilution (DIL) analysis. All %Differences met QC criteria.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## METHODOLOGY SUMMARY ORGANICS

### **AQUEOUS METHODOLOGIES:**

### **REFERENCE 1**

Base Neutral, Acids Extraction	EPA 3510C
Pesticides/PCBs Extraction	EPA 3510C
Purgeable Organics by GC/MS	EPA 8260B, EPA 624
Base/Neutral, Acids by GC/MS	EPA 8270C, EPA 625
BTEX - Benzene, Toluene, Ethylbenzene, Xylenes	EPA 8260B, EPA 624
Pesticides by GC	EPA 608, EPA 8081A
PCB's by GC	EPA 608, EPA 8082

### **NON-AQUEOUS METHODOLOGIES:**

### **REFERENCE 2**

Base Neutral, Acids Extraction	EPA 3550B
Pesticides/PCBs Extraction	EPA 3550B
Purgeable Organics by GC/MS	EPA 8260B
Base/Neutral, Acids Extractions by GC/MS	EPA 8270C
BTEX-Benzene, Toluene, Ethylbenzene, Xylenes	EPA 8260B
Pesticides by GC	EPA 8081A
PCB's by GC	EPA 8082

### **MISCELLANEOUS:**

### **REFERENCE 1 & 2**

Chlorinated Herbicides by GC	EPA 8151A, EPA 8321
Gas Chromatography Analysis	EPA 8000A
Diesel Range Organics, Aqueous Extraction	EPA 3510C (Modified)
Diesel Range Organics, Non-aqueous Extraction	EPA 3550B (Modified)
Diesel Range Organics, Analysis	EPA 8015B (Modified)

Florisil Column Clean-up	EPA 3620A
Gel-Permeation Clean-up	EPA 3640A
Sulfur Clean-up	EPA 3660A

### **AIR AND EMISSIONS:**

### **REFERENCE 4**

PCB'S	NIOSH 5503
Purgeable Aromatics	NIOSH 1003, NIOSH 1501

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## METHODOLOGY SUMMARY INORGANICS- METALS

	<u>REFERENCE 1</u>	<u>REFERENCE 2</u>
Aluminum	EPA 200.7 Rev 4.4,	EPA 6010B
Antimony	EPA 200.7 Rev 4.4,	EPA 6010B
Arsenic	EPA 200.7 Rev 4.4,	EPA 6010B
Barium	EPA 200.7 Rev 4.4,	EPA 6010B
Beryllium	EPA 200.7 Rev 4.4,	EPA 6010B
Cadmium	EPA 200.7 Rev 4.4,	EPA 6010B
Calcium	EPA 200.7 Rev 4.4,	EPA 6010B
Chromium	EPA 200.7 Rev 4.4,	EPA 6010B
Cobalt	EPA 200.7 Rev 4.4,	EPA 6010B
Copper	EPA 200.7 Rev 4.4,	EPA 6010B
Iron	EPA 200.7 Rev 4.4,	EPA 6010B
Lead	EPA 200.7 Rev 4.4,	EPA 6010B
Magnesium	EPA 200.7 Rev 4.4,	EPA 6010B
Manganese	EPA 200.7 Rev 4.4,	EPA 6010B
Mercury	EPA 245.1 Rev 3.0,	EPA 7470A, EPA 7471A
Molybdenum	EPA 200.7 Rev 4.4,	EPA 6010B
Nickel	EPA 200.7 Rev 4.4,	EPA 6010B
Potassium	EPA 200.7 Rev 4.4,	EPA 6010B
Selenium	EPA 200.7 Rev 4.4,	EPA 6010B
Silver	EPA 200.7 Rev 4.4,	EPA 6010B
Sodium	EPA 200.7 Rev 4.4,	EPA 6010B
Thallium	EPA 200.7 Rev 4.4,	EPA 6010B
Tin	EPA 200.7 Rev 4.4,	EPA 6010B
Titanium	EPA 200.7 Rev 4.4,	EPA 6010B
Vanadium	EPA 200.7 Rev 4.4,	EPA 6010B
Zinc	EPA 200.7 Rev 4.4,	EPA 6010B
Lead in Dust Wipes	EPA 6010B	
Lead in Paint	EPA 6010B	

### MISCELLANEOUS:

Boron	EPA 200.7 Rev 4.4,	EPA 6010B
-------	--------------------	-----------

### ANALYTICAL LISTS:

	<u>REFERENCE 1</u>	<u>REFERENCE 2</u>
Priority Pollutant Metals (13)	EPA 200.7	6010B/ 7470A
TCL Metals (23)	EPA 200.7	6010B/ 7470A
RCRA Metals (8)	EPA 200.7	6010B/ 7470A

### SAMPLE PREPARATION:

ICP Sample Preparation (Aqueous)	EPA 3005A, EPA 3010A, EPA 3031, EPA 3040A,
ICP Sample Preparation (Non-Aqueous)	EPA 3050B EPA 7470A (Aqueous), EPA 7471A (Non-Aqueous)
Mercury Sample Preparation	EPA 7471A (Non-Aqueous)
Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## METHODOLOGY SUMMARY INORGANICS- GENERAL CHEMISTRY

<b>ANALYSES</b>	<b><u>REFERENCE 2</u></b>	<b><u>REFERENCE 3</u></b>
Biochemical Oxygen Demand		SM 18-21 5210 B
Color		SM 18-21 2120 B
Total Dissolved Solids		SM 18-21 2540C
Total Suspended Solids		SM 18-21 2540 D
Total Solids		SM 18-21 2540 B
Temperature		SM 2550 B
Acidity		SM 18-21 2310B.4a
Alkalinity		SM 18-21 2320B
Ammonia		SM 18 4500-NH3 E
Bromide		SM 15 P.S44
Chloride		SM 18-21 4500-CI-B
Chlorine Demand		SM 2350
Residual Chlorine		SM 18-21 4500-CI-B
Chemical Oxygen Demand		HACH 8000 SM 18-21 4500-CN C,E, EPA 9014
Cyanide (Total & Amenable) (Aqueous)		
Cyanide (Total & Amenable) (Non-Aqueous)	EPA 9010B	
Dissolved Oxygen		SM 18-21 5210B
Fluoride		SM 18-21 4500-F-C SM 18-4500-NH3 E, SM18-21 4500-N Org B or C
Total Kjeldahl Nitrogen		SM 18-21 4500-NO3 D SM-18-21 4500-NO3 E SM 18-21 4500-NO2 B
Nitrate		SM 4500-H B
Nitrite		
Hydrogen Ion (pH) (Aqueous)		
Hydrogen Ion (pH) (Non-Aqueous)	EPA 9040B, EPA 9045C	
Oil & Grease (HEM) (Non-Aqueous)	EPA 9071 (Solvent: Hexane)	
Orthophosphate		SM 18-21 4500-P E
Phosphorus		SM 18-21 4500-P E
Settleable Solids		SM 18-21 2450 F
Silica, Dissolved		EPA 6010B EPA 120.1 Rev. 1982, SM-18-21 2510B
Specific Conductance		SM 15 426 C
Sulfate		SM 18 4500-S E, EPA 9030B
Sulfide		SM 18-21 SM 5540 C
Surfactants (MBAS)		
Total Petroleum Hydrocarbons	<b><u>REFERENCE 1</u></b>	
Oil & Grease (HEM) (Aqueous)	EPA 1664A	
Hardness	EPA 1664A	
Oil & Grease (HEM) (Aqueous)	EPA 200.7, Rev 4.4	
Phenols	EPA 9070(Solvent: Hexane) EPA 420.1 Rev. 1978	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## MISCELLANEOUS ANALYSES

## REFERENCE 2

## REFERENCE 3

Ignitability	EPA 1010	
Corrosivity	EPA 9040B, EPA 9045C	
Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	
Hexavalent Chromium	EPA 7196A	SM 18-19 3500-Cr D
Free Liquids	EPA 9095A	
Reactivity	SW-846 Ch7 Sec. 7.3	

## METHODOLOGY SUMMARY REFERENCES

1. USEPA020, *Methods for Chemical Analysis of Water and Waste.*
2. USEPA SW 846, *Test Methods for Evaluating Solid Waste, Third Edition.*
3. *Standard Method for Examination of Water and Wastewater, 18 Edition 1992.*
4. *Niosh Manual of Analytical Methods (4th ed.) 1994, 2003.*

*\*revised 02/03/2012\**

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL).  
All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

## INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

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

M - (Method) qualifiers are as follows:

- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- P - ICP
- T - Titrimetric

## OTHER QUALIFIERS

- ND - Not Detected
- NA - Not Applicable
- NR - Not Required
- \* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)
- x - Outside Expected Range

**CALCULATIONS:**

**Volatile Organics:**

$$\text{Water Concentration (ppb)} = \text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor}}{\text{Total Solids (\%)} / 100}$$

**Semivolatile Organics:**

$$\text{Water Concentration (ppb)} = \text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (mL)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (1mL)}}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ppb)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (g)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (1mL)}}}{\text{Total Solids (\%)} / 100}$$

where:

M.I.E.V = Method Initial Extraction Volume (1000mL)

A.I.E.V = Actual Initial Extraction Volume (mL or g)

M.F.E.V = Method Final Extraction Volume (1mL)

A.F.E.V = Actual Final Extraction Volume (mL)

NOTE: GPC was not performed on the Semivolatile soil samples

**GC Organics:**

$$\text{Water Concentration (ppb)} = \frac{\text{Raw Concentration (ug/L solvent)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (mL)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (10mL)}}}{100 \text{ mL}}$$

$$\text{Soil Concentration (ppb)} = \frac{\text{Raw Concentration (ug/L solvent)} \times \text{Analytical Dilution Factor} \times \frac{\text{M.I.E.V. (1000mL)}}{\text{A.I.E.V. (g)}} \times \frac{\text{A.F.E.V. (mL)}}{\text{M.F.E.V. (10mL)}}}{\text{Total Solids (\%)} / 100} \times 100 \text{ mL}$$

where:

M.I.E.V = Method Initial Extraction Volume (1000mL)

A.I.E.V = Actual Initial Extraction Volume (mL or g)

M.F.E.V = Method Final Extraction Volume (10mL)

A.F.E.V = Actual Final Extraction Volume (mL)

NOTE: GPC was not performed on the GC soil samples

**Inorganic Metals:**

$$\text{Water Concentration (ppm)} = \text{Raw Concentration (mg/L)} \times \frac{\text{Final Digestion Volume (mL)}}{\text{Initial Digestion Volume (mL)}} \times \text{Analytical Dilution Factor}$$

$$\text{Soil Concentration (ppm)} = \frac{\text{Raw Concentration (mg/L)} \times \text{Final Digestion Volume (mL)} \times \frac{100}{\text{Total Solids (\%)}} \times \text{Analytical Dilution Factor}}{\text{Initial Digestion Volume (g)}}$$

$$\text{Wipe Concentration (ug/wipe)} = \text{Raw Concentration (mg/L)} \times \frac{\text{Final Digestion Volume (mL)}}{\text{Initial Digestion Volume (mL)}} \times \text{Analytical Dilution Factor}$$

**General Chemistry:**

$$\text{Cyanide Water Concentration (ppm)} = \frac{\text{Cyanide (ppm)} \times \text{Manual Dilution Factor}}{\text{Weight}}$$

$$\text{Cyanide Soil Concentration (ppm)} = \frac{\text{Cyanide (ppm)} \times \text{Manual Dilution Factor}}{\text{Total Solids (\%)} / 100} \times \text{Weight}$$

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## Sample Results

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample:** 1204168-7

Client Sample ID: MW-20

Collected: 4/2/2012 17:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2854-6459	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2854-6459	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2854-6459	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2854-6459	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2854-6459	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2854-6459	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2854-6459	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2854-6459	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2854-6459	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2854-6459	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2854-6459	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2854-6459	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2854-6459	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2854-6459	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2854-6459	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2854-6459	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2854-6459	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2854-6459	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2854-6459	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2854-6459	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2854-6459	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2854-6459	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2854-6459	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2854-6459	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2854-6459	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2854-6459	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2854-6459	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2854-6459	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2854-6459	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2854-6459	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2854-6459	0.93	ND	ug/L	U
62-53-3	Aniline	C2854-6459	0.23	ND	ug/L	U

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-7**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 17:15

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2854-6459	0.84	ND	ug/L	U
92-87-5	Benzidine	C2854-6459	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2854-6459	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2854-6459	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2854-6459	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2854-6459	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2854-6459	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2854-6459	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2854-6459	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2854-6459	1.33	ND	ug/L	U
86-74-8	Carbazole	C2854-6459	1.08	ND	ug/L	U
218-01-9	Chrysene	C2854-6459	0.95	ND	ug/L	U
	Cresols	C2854-6459	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2854-6459	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2854-6459	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2854-6459	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2854-6459	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2854-6459	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2854-6459	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2854-6459	0.86	ND	ug/L	U
86-73-7	Fluorene	C2854-6459	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2854-6459	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2854-6459	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2854-6459	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2854-6459	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2854-6459	0.95	ND	ug/L	U
78-59-1	Isophorone	C2854-6459	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2854-6459	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2854-6459	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2854-6459	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2854-6459	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2854-6459	0.91	ND	ug/L	U

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-7**

Client Sample ID: MW-20

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 17:15

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2854-6459	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2854-6459	0.90	ND	ug/L	U
108-95-2	Phenol	C2854-6459	0.25	ND	ug/L	U
129-00-0	Pyrene	C2854-6459	1.01	ND	ug/L	U
110-86-1	Pyridine	C2854-6459	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2854-6459	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2854-6459	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2854-6459	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2854-6459	1.44	ND	ug/L	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2854-6459	67.5 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2854-6459	45.3 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2854-6459	24.8 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2854-6459	46.7 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2854-6459	15.2 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2854-6459	79.5 %	( 33 - 141)	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-8**

Client Sample ID: MW-21

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s): 4/13/2012

Type: Grab

Collected: 4/2/2012 16:35

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2854-6460	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2854-6460	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2854-6460	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2854-6460	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2854-6460	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2854-6460	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2854-6460	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2854-6460	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2854-6460	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2854-6460	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2854-6460	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2854-6460	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2854-6460	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2854-6460	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2854-6460	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2854-6460	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2854-6460	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2854-6460	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2854-6460	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2854-6460	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2854-6460	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2854-6460	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2854-6460	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2854-6460	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2854-6460	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2854-6460	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2854-6460	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2854-6460	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2854-6460	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2854-6460	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2854-6460	0.93	ND	ug/L	U
62-53-3	Aniline	C2854-6460	0.23	ND	ug/L	U



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-8**

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 16:35

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2854-6460	0.84	ND	ug/L	U
92-87-5	Benidine	C2854-6460	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2854-6460	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2854-6460	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2854-6460	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2854-6460	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2854-6460	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2854-6460	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2854-6460	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2854-6460	1.33	ND	ug/L	U
86-74-8	Carbazole	C2854-6460	1.08	ND	ug/L	U
218-01-9	Chrysene	C2854-6460	0.95	ND	ug/L	U
	Cresols	C2854-6460	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2854-6460	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2854-6460	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2854-6460	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2854-6460	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2854-6460	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2854-6460	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2854-6460	0.86	ND	ug/L	U
86-73-7	Fluorene	C2854-6460	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2854-6460	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2854-6460	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2854-6460	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2854-6460	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2854-6460	0.95	ND	ug/L	U
78-59-1	Isophorone	C2854-6460	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2854-6460	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2854-6460	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2854-6460	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2854-6460	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2854-6460	0.91	ND	ug/L	U

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-8**

Client Sample ID: MW-21

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 16:35

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2854-6460	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2854-6460	0.90	ND	ug/L	U
108-95-2	Phenol	C2854-6460	0.25	ND	ug/L	U
129-00-0	Pyrene	C2854-6460	1.01	ND	ug/L	U
110-86-1	Pyridine	C2854-6460	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2854-6460	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2854-6460	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2854-6460	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2854-6460	1.44	ND	ug/L	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2854-6460	63.2 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2854-6460	42.5 %	( 43 - 116)	*
367-12-4	2-FLUOROPHENOL	C2854-6460	23.3 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2854-6460	41.7 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2854-6460	14.8 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2854-6460	77.1 %	( 33 - 141)	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9**

Client Sample ID: MW-23

Collected: 4/2/2012 15:55

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2854-6461	0.92	ND	ug/L	U
95-50-1	1,2-Dichlorobenzene	C2854-6461	0.71	ND	ug/L	U
122-66-7	1,2-Diphenylhydrazine	C2854-6461	0.87	ND	ug/L	U
541-73-1	1,3-Dichlorobenzene	C2854-6461	0.82	ND	ug/L	U
106-46-7	1,4-Dichlorobenzene	C2854-6461	0.74	ND	ug/L	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2854-6461	1.07	ND	ug/L	U
95-95-4	2,4,5-Trichlorophenol	C2854-6461	0.59	ND	ug/L	U
88-06-2	2,4,6-Trichlorophenol	C2854-6461	0.75	ND	ug/L	U
120-83-2	2,4-Dichlorophenol	C2854-6461	0.98	ND	ug/L	U
105-67-9	2,4-Dimethylphenol	C2854-6461	1.03	ND	ug/L	U
51-28-5	2,4-Dinitrophenol	C2854-6461	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2854-6461	0.62	ND	ug/L	U
606-20-2	2,6-Dinitrotoluene	C2854-6461	0.98	ND	ug/L	U
91-58-7	2-Chloronaphthalene	C2854-6461	0.92	ND	ug/L	U
95-57-8	2-Chlorophenol	C2854-6461	0.63	ND	ug/L	U
91-57-6	2-Methylnaphthalene	C2854-6461	0.82	ND	ug/L	U
95-48-7	2-Methylphenol	C2854-6461	0.50	ND	ug/L	U
88-74-4	2-Nitroaniline	C2854-6461	0.77	ND	ug/L	U
88-75-5	2-Nitrophenol	C2854-6461	1.03	ND	ug/L	U
106-44-5	3+4-Methylphenol	C2854-6461	0.17	ND	ug/L	U
91-94-1	3,3'-Dichlorobenzidine	C2854-6461	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2854-6461	0.60	ND	ug/L	U
534-52-1	4,6-Dinitro-2-methylphenol	C2854-6461	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2854-6461	0.85	ND	ug/L	U
59-50-7	4-Chloro-3-methylphenol	C2854-6461	0.53	ND	ug/L	U
106-47-8	4-Chloroaniline	C2854-6461	0.47	ND	ug/L	U
7005-72-3	4-Chlorophenyl phenyl ether	C2854-6461	0.92	ND	ug/L	U
100-01-6	4-Nitroaniline	C2854-6461	1.07	ND	ug/L	U
100-02-7	4-Nitrophenol	C2854-6461	2.04	ND	ug/L	U
83-32-9	Acenaphthene	C2854-6461	1.02	ND	ug/L	U
208-96-8	Acenaphthylene	C2854-6461	0.93	ND	ug/L	U
62-53-3	Aniline	C2854-6461	0.23	ND	ug/L	U

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

### Sample: 1204168-9

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s): 4/13/2012

## Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2854-6461	0.84	ND	ug/L	U
92-87-5	Benzidine	C2854-6461	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2854-6461	1.03	ND	ug/L	U
50-32-8	Benzo(a)pyrene	C2854-6461	0.91	ND	ug/L	U
205-99-2	Benzo(b)fluoranthene	C2854-6461	0.92	ND	ug/L	U
191-24-2	Benzo(g,h,i)perylene	C2854-6461	1.05	ND	ug/L	U
207-08-9	Benzo(k)fluoranthene	C2854-6461	1.04	ND	ug/L	U
65-85-0	Benzoic acid	C2854-6461	10.3	ND	ug/L	U
100-51-6	Benzyl alcohol	C2854-6461	0.48	ND	ug/L	U
85-68-7	Butyl benzyl phthalate	C2854-6461	1.33	ND	ug/L	U
86-74-8	Carbazole	C2854-6461	1.08	ND	ug/L	U
218-01-9	Chrysene	C2854-6461	0.95	ND	ug/L	U
	Cresols	C2854-6461	0.67	ND	ug/L	U
84-74-2	Di-n-butyl phthalate	C2854-6461	0.97	ND	ug/L	U
117-84-0	Di-n-octyl phthalate	C2854-6461	1.11	ND	ug/L	U
53-70-3	Dibenz(a,h)anthracene	C2854-6461	0.87	ND	ug/L	U
132-64-9	Dibenzofuran	C2854-6461	0.80	ND	ug/L	U
84-66-2	Diethyl phthalate	C2854-6461	1.07	ND	ug/L	U
131-11-3	Dimethyl phthalate	C2854-6461	1.02	ND	ug/L	U
206-44-0	Fluoranthene	C2854-6461	0.86	ND	ug/L	U
86-73-7	Fluorene	C2854-6461	0.91	ND	ug/L	U
118-74-1	Hexachlorobenzene	C2854-6461	0.73	ND	ug/L	U
87-68-3	Hexachlorobutadiene	C2854-6461	1.05	ND	ug/L	U
77-47-4	Hexachlorocyclopentadiene	C2854-6461	0.38	ND	ug/L	U
67-72-1	Hexachloroethane	C2854-6461	0.99	ND	ug/L	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2854-6461	0.95	ND	ug/L	U
78-59-1	Isophorone	C2854-6461	0.70	ND	ug/L	U
621-64-7	N-Nitrosodi-n-propylamine	C2854-6461	0.74	ND	ug/L	U
62-75-9	N-Nitrosodimethylamine	C2854-6461	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2854-6461	1.10	ND	ug/L	U
91-20-3	Naphthalene	C2854-6461	0.87	ND	ug/L	U
98-95-3	Nitrobenzene	C2854-6461	0.91	ND	ug/L	U

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9**

Client Sample ID: MW-23

Collected: 4/2/2012 15:55

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2854-6461	0.81	ND	ug/L	U
85-01-8	Phenanthrene	C2854-6461	0.90	ND	ug/L	U
108-95-2	Phenol	C2854-6461	0.25	ND	ug/L	U
129-00-0	Pyrene	C2854-6461	1.01	ND	ug/L	U
110-86-1	Pyridine	C2854-6461	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2854-6461	0.95	ND	ug/L	U
111-44-4	bis(2-Chloroethyl)ether	C2854-6461	0.57	ND	ug/L	U
108-60-1	bis(2-Chloroisopropyl)ether	C2854-6461	0.77	ND	ug/L	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2854-6461	1.44	ND	ug/L	U

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2854-6461	78.8 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2854-6461	36.8 %	( 43 - 116)	*
367-12-4	2-FLUOROPHENOL	C2854-6461	15.6 %	( 21 - 110)	*
4165-60-0	NITROBENZENE-D5	C2854-6461	31.8 %	( 35 - 114)	*
13127-88-3	PHENOL-D6	C2854-6461	10.6 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2854-6461	70.2 %	( 33 - 141)	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

### Sample: 1204168-9MS

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

## Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2854-6462	0.92	16.4	ug/L	
95-50-1	1,2-Dichlorobenzene	C2854-6462	0.71	16.8	ug/L	
122-66-7	1,2-Diphenylhydrazine	C2854-6462	0.87	26.5	ug/L	
541-73-1	1,3-Dichlorobenzene	C2854-6462	0.82	16.7	ug/L	
106-46-7	1,4-Dichlorobenzene	C2854-6462	0.74	16.6	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	C2854-6462	1.07	47.2	ug/L	
95-95-4	2,4,5-Trichlorophenol	C2854-6462	0.59	32.0	ug/L	
88-06-2	2,4,6-Trichlorophenol	C2854-6462	0.75	27.1	ug/L	
120-83-2	2,4-Dichlorophenol	C2854-6462	0.98	19.9	ug/L	
105-67-9	2,4-Dimethylphenol	C2854-6462	1.03	18.8	ug/L	
51-28-5	2,4-Dinitrophenol	C2854-6462	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2854-6462	0.62	32.8	ug/L	
606-20-2	2,6-Dinitrotoluene	C2854-6462	0.98	30.7	ug/L	
91-58-7	2-Chloronaphthalene	C2854-6462	0.92	20.0	ug/L	
95-57-8	2-Chlorophenol	C2854-6462	0.63	15.0	ug/L	
91-57-6	2-Methylnaphthalene	C2854-6462	0.82	18.2	ug/L	
95-48-7	2-Methylphenol	C2854-6462	0.50	15.7	ug/L	
88-74-4	2-Nitroaniline	C2854-6462	0.77	29.3	ug/L	
88-75-5	2-Nitrophenol	C2854-6462	1.03	16.8	ug/L	
106-44-5	3+4-Methylphenol	C2854-6462	0.17	15.3	ug/L	
91-94-1	3,3'-Dichlorobenzidine	C2854-6462	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2854-6462	0.60	19.2	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	C2854-6462	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2854-6462	0.85	29.1	ug/L	
59-50-7	4-Chloro-3-methylphenol	C2854-6462	0.53	26.0	ug/L	
106-47-8	4-Chloroaniline	C2854-6462	0.47	15.6	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	C2854-6462	0.92	27.0	ug/L	
100-01-6	4-Nitroaniline	C2854-6462	1.07	25.9	ug/L	
100-02-7	4-Nitrophenol	C2854-6462	2.04	20.7	ug/L	
83-32-9	Acenaphthene	C2854-6462	1.02	24.3	ug/L	
208-96-8	Acenaphthylene	C2854-6462	0.93	23.6	ug/L	
62-53-3	Aniline	C2854-6462	0.23	13.4	ug/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9MS**

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2854-6462	0.84	30.8	ug/L	
92-87-5	Benzidine	C2854-6462	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2854-6462	1.03	31.7	ug/L	
50-32-8	Benzo(a)pyrene	C2854-6462	0.91	33.3	ug/L	
205-99-2	Benzo(b)fluoranthene	C2854-6462	0.92	31.7	ug/L	
191-24-2	Benzo(g,h,i)perylene	C2854-6462	1.05	36.3	ug/L	
207-08-9	Benzo(k)fluoranthene	C2854-6462	1.04	30.6	ug/L	
65-85-0	Benzoic acid	C2854-6462	10.3	48.1	ug/L	
100-51-6	Benzyl alcohol	C2854-6462	0.48	15.2	ug/L	
85-68-7	Butyl benzyl phthalate	C2854-6462	1.33	30.2	ug/L	
86-74-8	Carbazole	C2854-6462	1.08	33.0	ug/L	
218-01-9	Chrysene	C2854-6462	0.95	30.2	ug/L	
	Cresols	C2854-6462	0.67	31.0	ug/L	
84-74-2	Di-n-butyl phthalate	C2854-6462	0.97	31.2	ug/L	
117-84-0	Di-n-octyl phthalate	C2854-6462	1.11	27.4	ug/L	
53-70-3	Dibenz(a,h)anthracene	C2854-6462	0.87	38.6	ug/L	
132-64-9	Dibenzofuran	C2854-6462	0.80	25.9	ug/L	
84-66-2	Diethyl phthalate	C2854-6462	1.07	31.1	ug/L	
131-11-3	Dimethyl phthalate	C2854-6462	1.02	29.1	ug/L	
206-44-0	Fluoranthene	C2854-6462	0.86	31.5	ug/L	
86-73-7	Fluorene	C2854-6462	0.91	28.0	ug/L	
118-74-1	Hexachlorobenzene	C2854-6462	0.73	28.9	ug/L	
87-68-3	Hexachlorobutadiene	C2854-6462	1.05	16.1	ug/L	
77-47-4	Hexachlorocyclopentadiene	C2854-6462	0.38	23.6	ug/L	
67-72-1	Hexachloroethane	C2854-6462	0.99	17.1	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	C2854-6462	0.95	37.8	ug/L	
78-59-1	Isophorone	C2854-6462	0.70	23.2	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	C2854-6462	0.74	17.2	ug/L	
62-75-9	N-Nitrosodimethylamine	C2854-6462	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2854-6462	1.10	35.2	ug/L	
91-20-3	Naphthalene	C2854-6462	0.87	17.7	ug/L	
98-95-3	Nitrobenzene	C2854-6462	0.91	17.1	ug/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

### Sample: 1204168-9MS

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2854-6462	0.81	54.5	ug/L	
85-01-8	Phenanthrene	C2854-6462	0.90	30.4	ug/L	
108-95-2	Phenol	C2854-6462	0.25	6.65	ug/L	
129-00-0	Pyrene	C2854-6462	1.01	29.9	ug/L	
110-86-1	Pyridine	C2854-6462	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2854-6462	0.95	16.8	ug/L	
111-44-4	bis(2-Chloroethyl)ether	C2854-6462	0.57	16.5	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	C2854-6462	0.77	16.8	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	C2854-6462	1.44	30.0	ug/L	

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2854-6462	108.0 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2854-6462	52.9 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2854-6462	27.7 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2854-6462	46.7 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2854-6462	18.8 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2854-6462	87.5 %	( 33 - 141)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9MS**

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	C2854-6462	41.0 %	( 39 - 98 )	
95-50-1	1,2-DICHLOROBENZENE	C2854-6462	42.0 %	( 32 - 129 )	
106-46-7	1,4-DICHLOROBENZENE	C2854-6462	41.5 %	( 36 - 97 )	
121-14-2	2,4-DINITROTOLUENE	C2854-6462	82.0 %	( 24 - 96 )	
95-57-8	2-CHLOROPHENOL	C2854-6462	37.5 %	( 27 - 123 )	
91-57-6	2-METHYLNAPHTHALENE	C2854-6462	45.5 %	( 28 - 104 )	
59-50-7	4-CHLORO-3-METHYLPHENOL	C2854-6462	65.0 %	( 23 - 97 )	
100-02-7	4-NITROPHENOL	C2854-6462	51.8 %	( 10 - 80 )	
83-32-9	ACENAPHTHENE	C2854-6462	60.8 %	( 46 - 118 )	
208-96-8	ACENAPHTHYLENE	C2854-6462	59.0 %	( 33 - 145 )	
50-32-8	BENZO(A)PYRENE	C2854-6462	83.3 %	( 17 - 163 )	
132-64-9	DIBENZOFURAN	C2854-6462	64.8 %	( 30 - 98 )	
78-59-1	ISOPHORONE	C2854-6462	58.0 %	( 21 - 196 )	
621-64-7	N-NITROSODI-N-PROPYLAMINE	C2854-6462	43.0 %	( 41 - 116 )	
91-20-3	NAPHTHALENE	C2854-6462	44.3 %	( 21 - 133 )	
87-86-5	PENTACHLOROPHENOL	C2854-6462	136.0 %	( 09 - 103 )	*
108-95-2	PHENOL	C2854-6462	16.6 %	( 12 - 110 )	
129-00-0	PYRENE	C2854-6462	74.8 %	( 26 - 127 )	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

### Sample: 1204168-9MSD

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2854-6463	0.92	17.7	ug/L	
95-50-1	1,2-Dichlorobenzene	C2854-6463	0.71	16.1	ug/L	
122-66-7	1,2-Diphenylhydrazine	C2854-6463	0.87	26.3	ug/L	
541-73-1	1,3-Dichlorobenzene	C2854-6463	0.82	15.7	ug/L	
106-46-7	1,4-Dichlorobenzene	C2854-6463	0.74	16.3	ug/L	
58-90-2	2,3,4,6-Tetrachlorophenol	C2854-6463	1.07	45.1	ug/L	
95-95-4	2,4,5-Trichlorophenol	C2854-6463	0.59	33.3	ug/L	
88-06-2	2,4,6-Trichlorophenol	C2854-6463	0.75	28.9	ug/L	
120-83-2	2,4-Dichlorophenol	C2854-6463	0.98	23.6	ug/L	
105-67-9	2,4-Dimethylphenol	C2854-6463	1.03	21.6	ug/L	
51-28-5	2,4-Dinitrophenol	C2854-6463	4.51	ND	ug/L	U
121-14-2	2,4-Dinitrotoluene	C2854-6463	0.62	32.2	ug/L	
606-20-2	2,6-Dinitrotoluene	C2854-6463	0.98	31.0	ug/L	
91-58-7	2-Chloronaphthalene	C2854-6463	0.92	23.0	ug/L	
95-57-8	2-Chlorophenol	C2854-6463	0.63	16.6	ug/L	
91-57-6	2-Methylnaphthalene	C2854-6463	0.82	21.3	ug/L	
95-48-7	2-Methylphenol	C2854-6463	0.50	18.5	ug/L	
88-74-4	2-Nitroaniline	C2854-6463	0.77	30.5	ug/L	
88-75-5	2-Nitrophenol	C2854-6463	1.03	19.4	ug/L	
106-44-5	3+4-Methylphenol	C2854-6463	0.17	17.8	ug/L	
91-94-1	3,3'-Dichlorobenzidine	C2854-6463	0.68	ND	ug/L	U
99-09-2	3-Nitroaniline	C2854-6463	0.60	20.5	ug/L	
534-52-1	4,6-Dinitro-2-methylphenol	C2854-6463	0.82	ND	ug/L	U
101-55-3	4-Bromophenyl phenyl ether	C2854-6463	0.85	29.1	ug/L	
59-50-7	4-Chloro-3-methylphenol	C2854-6463	0.53	26.6	ug/L	
106-47-8	4-Chloroaniline	C2854-6463	0.47	16.7	ug/L	
7005-72-3	4-Chlorophenyl phenyl ether	C2854-6463	0.92	28.2	ug/L	
100-01-6	4-Nitroaniline	C2854-6463	1.07	26.6	ug/L	
100-02-7	4-Nitrophenol	C2854-6463	2.04	18.9	ug/L	J
83-32-9	Acenaphthene	C2854-6463	1.02	26.6	ug/L	
208-96-8	Acenaphthylene	C2854-6463	0.93	25.9	ug/L	
62-53-3	Aniline	C2854-6463	0.23	13.9	ug/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

### Sample: 1204168-9MSD

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

## Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
120-12-7	Anthracene	C2854-6463	0.84	30.3	ug/L	
92-87-5	Benzidine	C2854-6463	28.5	ND	ug/L	U
56-55-3	Benzo(a)anthracene	C2854-6463	1.03	30.9	ug/L	
50-32-8	Benzo(a)pyrene	C2854-6463	0.91	32.9	ug/L	
205-99-2	Benzo(b)fluoranthene	C2854-6463	0.92	30.7	ug/L	
191-24-2	Benzo(g,h,i)perylene	C2854-6463	1.05	36.1	ug/L	
207-08-9	Benzo(k)fluoranthene	C2854-6463	1.04	30.9	ug/L	
65-85-0	Benzoic acid	C2854-6463	10.3	41.7	ug/L	
100-51-6	Benzyl alcohol	C2854-6463	0.48	17.9	ug/L	
85-68-7	Butyl benzyl phthalate	C2854-6463	1.33	29.4	ug/L	
86-74-8	Carbazole	C2854-6463	1.08	31.9	ug/L	
218-01-9	Chrysene	C2854-6463	0.95	29.7	ug/L	
	Cresols	C2854-6463	0.67	36.3	ug/L	
84-74-2	Di-n-butyl phthalate	C2854-6463	0.97	30.6	ug/L	
117-84-0	Di-n-octyl phthalate	C2854-6463	1.11	26.6	ug/L	
53-70-3	Dibenz(a,h)anthracene	C2854-6463	0.87	38.5	ug/L	
132-64-9	Dibenzofuran	C2854-6463	0.80	27.3	ug/L	
84-66-2	Diethyl phthalate	C2854-6463	1.07	30.6	ug/L	
131-11-3	Dimethyl phthalate	C2854-6463	1.02	29.3	ug/L	
206-44-0	Fluoranthene	C2854-6463	0.86	30.9	ug/L	
86-73-7	Fluorene	C2854-6463	0.91	28.8	ug/L	
118-74-1	Hexachlorobenzene	C2854-6463	0.73	28.9	ug/L	
87-68-3	Hexachlorobutadiene	C2854-6463	1.05	17.2	ug/L	
77-47-4	Hexachlorocyclopentadiene	C2854-6463	0.38	24.8	ug/L	
67-72-1	Hexachloroethane	C2854-6463	0.99	16.6	ug/L	
193-39-5	Indeno(1,2,3-cd)pyrene	C2854-6463	0.95	37.7	ug/L	
78-59-1	Isophorone	C2854-6463	0.70	27.0	ug/L	
621-64-7	N-Nitrosodi-n-propylamine	C2854-6463	0.74	19.8	ug/L	
62-75-9	N-Nitrosodimethylamine	C2854-6463	0.73	ND	ug/L	U
86-30-6	N-Nitrosodiphenylamine	C2854-6463	1.10	35.1	ug/L	
91-20-3	Naphthalene	C2854-6463	0.87	19.5	ug/L	
98-95-3	Nitrobenzene	C2854-6463	0.91	18.6	ug/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9MSD**

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Analytical Results

Cas No	Analyte	File ID	MDL	Result	Units	Q
87-86-5	Pentachlorophenol	C2854-6463	0.81	51.0	ug/L	
85-01-8	Phenanthrene	C2854-6463	0.90	29.6	ug/L	
108-95-2	Phenol	C2854-6463	0.25	7.67	ug/L	
129-00-0	Pyrene	C2854-6463	1.01	29.1	ug/L	
110-86-1	Pyridine	C2854-6463	0.37	ND	ug/L	U
111-91-1	bis(2-Chloroethoxy)methane	C2854-6463	0.95	19.5	ug/L	
111-44-4	bis(2-Chloroethyl)ether	C2854-6463	0.57	16.7	ug/L	
108-60-1	bis(2-Chloroisopropyl)ether	C2854-6463	0.77	17.5	ug/L	
117-81-7	bis(2-Ethylhexyl)phthalate	C2854-6463	1.44	29.2	ug/L	

### Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2854-6463	104.0 %	( 10 - 123)	
321-60-8	2-FLUOROBIPHENYL	C2854-6463	62.8 %	( 43 - 116)	
367-12-4	2-FLUOROPHENOL	C2854-6463	28.9 %	( 21 - 110)	
4165-60-0	NITROBENZENE-D5	C2854-6463	50.3 %	( 35 - 114)	
13127-88-3	PHENOL-D6	C2854-6463	21.6 %	( 10 - 110)	
1718-51-0	TERPHENYL-D14	C2854-6463	86.3 %	( 33 - 141)	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Semivolatile Compounds - EPA 8270C

**Sample: 1204168-9MSD**

Client Sample ID: MW-23

Matrix: Liquid

Type: Grab

Collected: 4/2/2012 15:55

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/13/2012

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
120-82-1	1,2,4-TRICHLOROBENZENE	C2854-6463	44.3 %	( 39 - 98 )	
95-50-1	1,2-DICHLOROBENZENE	C2854-6463	40.3 %	( 32 - 129 )	
106-46-7	1,4-DICHLOROBENZENE	C2854-6463	40.8 %	( 36 - 97 )	
121-14-2	2,4-DINITROTOLUENE	C2854-6463	80.5 %	( 24 - 96 )	
95-57-8	2-CHLOROPHENOL	C2854-6463	41.5 %	( 27 - 123 )	
91-57-6	2-METHYLNAPHTHALENE	C2854-6463	53.3 %	( 28 - 104 )	
59-50-7	4-CHLORO-3-METHYLPHENOL	C2854-6463	66.5 %	( 23 - 97 )	
100-02-7	4-NITROPHENOL	C2854-6463	47.3 %	( 10 - 80 )	
83-32-9	ACENAPHTHENE	C2854-6463	66.5 %	( 46 - 118 )	
208-96-8	ACENAPHTHYLENE	C2854-6463	64.8 %	( 33 - 145 )	
50-32-8	BENZO(A)PYRENE	C2854-6463	82.3 %	( 17 - 163 )	
132-64-9	DIBENZOFURAN	C2854-6463	68.3 %	( 30 - 98 )	
78-59-1	ISOPHORONE	C2854-6463	67.5 %	( 21 - 196 )	
621-64-7	N-NITROSODI-N-PROPYLAMINE	C2854-6463	49.5 %	( 41 - 116 )	
91-20-3	NAPHTHALENE	C2854-6463	48.8 %	( 21 - 133 )	
87-86-5	PENTACHLOROPHENOL	C2854-6463	128.0 %	( 09 - 103 )	*
108-95-2	PHENOL	C2854-6463	19.2 %	( 12 - 110 )	
129-00-0	PYRENE	C2854-6463	72.8 %	( 26 - 127 )	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Metals by Method SW846 6010/EPA 200.7

**Sample: 1204168-11**

Client Sample ID: field Blank Dup

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 17:24

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	<b>0.047</b>	mg/L	
7440-50-8	Copper	0.0034	<b>0.64</b>	mg/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Metals by Method SW846 6010/EPA 200.7

### Sample: 1204168-5

Client Sample ID: MW-10

Collected: 4/2/2012 14:53

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	0.024	mg/L	
7440-50-8	Copper	0.0034	0.021	mg/L	
7440-02-0	Nickel	0.0014	0.0088	mg/L	

### Sample: 1204168-6

Client Sample ID: MW-12

Collected: 4/2/2012 17:24

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	0.045	mg/L	
7440-50-8	Copper	0.0034	0.83	mg/L	
7440-02-0	Nickel	0.0014	1.73	mg/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Metals by Method SW846 6010/EPA 200.7

### Sample: 1204168-6MS

Client Sample ID: MW-12

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 17:24

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	0.25	mg/L	
7440-50-8	Copper	0.0034	1.09	mg/L	
7440-02-0	Nickel	0.0014	0.61	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4281-26	124.0	( 75 - 125)	
7440-50-8	Copper	C4281-26	107.0	( 75 - 125)	
7440-02-0	Nickel	C4281-26	122.0	( 75 - 125)	

### Sample: 1204168-6MSD

Client Sample ID: MW-12

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 17:24

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	0.24	mg/L	
7440-50-8	Copper	0.0034	1.09	mg/L	
7440-02-0	Nickel	0.0014	0.61	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-47-3	Chromium	C4281-27	122.0	( 75 - 125)	
7440-50-8	Copper	C4281-27	104.0	( 75 - 125)	
7440-02-0	Nickel	C4281-27	123.0	( 75 - 125)	



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Metals by Method SW846 6010/EPA 200.7

**Sample: 1204168-10**

Client Sample ID: MW-26R

Collected: 4/2/2012 15:00

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-47-3	Chromium	0.0012	<b>0.0025</b>	mg/L	
7440-50-8	Copper	0.0034	<b>0.020</b>	mg/L	
7440-02-0	Nickel	0.0014	<b>0.0019</b>	mg/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Nickel, Total by Method SW846 6010

### Sample: 1204168-1

Client Sample ID: MW-2

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 16:02

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.24	mg/L	

### Sample: 1204168-2

Client Sample ID: MW-3

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 14:30

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.11	mg/L	

### Sample: 1204168-2MS

Client Sample ID: MW-3

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 14:30

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.57	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-02-0	Nickel	C4281-17	113.0	( 75- 125)	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Nickel, Total by Method SW846 6010

### Sample: 1204168-2MSD

Client Sample ID: MW-3

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 14:30

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.60	mg/L	

### Matrix Spike Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
7440-02-0	Nickel	C4281-18	120.0	( 75 - 125)	

### Sample: 1204168-3

Client Sample ID: MW-4

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 15:15

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.31	mg/L	

### Sample: 1204168-4

Client Sample ID: MW-5R

Matrix: Liquid

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

Type: Grab

Collected: 4/2/2012 14:25

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	0.22	mg/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale NY 11735  
Phone - 631-249-1456 Fax - 631-249-8344

6/18/2012

## Nickel, Total by Method SW846 6010

**Sample: 1204168-12**

Client Sample ID: Field Blank Dup

Collected: 4/2/2012 15:15

Matrix: Liquid

Type: Grab

Remarks:

Analyzed Date: 4/23/2012

Preparation Date(s) : 4/19/2012

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7440-02-0	Nickel	0.0014	1.13	mg/L	

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## QC Data Summary

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Data**

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile QC Data**

*Environmental Quality Services, Inc.*

## WATER SEMI-VOLATILE SYSTEM MONITORING COMPOUND REC

Lab Name: Environmental Quality Services Contract: WYANDANCCustody No.: 1204168 Case No.: NA SAS No.: NA SDG No.: \_\_\_\_\_Level (Low/Med): Low

LAB SAMPLE ID	LAB FILE ID	SMC 1 #	SMC 2 #	SMC 3 #	SMC 4 #	SMC 5 #	SMC 6 #	TOTAL OUT
1204168-09MSD	CA2854-6463	28.9	21.6	50.3	62.8	104	86.3	0
1204168-09MS	CA2854-6462	27.7	18.8	46.7	52.9	108	87.5	0
1204168-09	CA2854-6461	15.6 *	10.6	31.8 *	36.8 *	78.8	70.2	3
1204168-08	CA2854-6460	23.3	14.8	41.7	42.5 *	63.2	77.1	1
1204168-07	CA2854-6459	24.8	15.2	46.7	45.3	67.5	79.5	0

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound Diluted Out

SMC1 = 2-FLUOROPHENOL

SMC2 = PHENOL-D6

SMC3 = NITROBENZENE-D5

SMC4 = 2-FLUOROBIPHENYL

SMC5 = 2,4,6-TRIBROMOPHENOL

SMC6 = TERPHENYL-D14

QC LIMITS:

(21.0-110)

(10.0-110)

(35.0-114)

(43.0-116)

(10.0-123)

(33.0-141)

00050



**3C-MSB  
WATER SEMI-VOLATILE MATRIX SPIKE BLANK RECOVERY**

Lab Name: Environmental Quality Services

Contract: \_\_\_\_\_

Lab Code: EQS Case No.: NA

SAS No.: NA SGD No.: \_\_\_\_\_

Blank Sample ID: SBLK-65

Matrix Spike ID: MSB-49

Method Blank Sample No.: A42-181

Matrix Spike Blank File ID: C2854-6458 4/23/2012 4:09:00 PM

COMPOUND	SPIKE ADDED PPB	BLANK CONCENTRATION PPB	MSB CONCENTRATION PPB	MSB % RECOVERY #	QC LIMITS % RECOVERY
Phenol	40.0	0	5.18	12.9	(12.0-110)
2-Chlorophenol	40.0	0	15.0	37.5	(27.0-123)
1,4-Dichlorobenzene	40.0	0.87	15.8	37.2	(36.0-97.0)
1,2-Dichlorobenzene	40.0	0	16.1	40.3	(32.0-129)
Di-n-propylnitrosamine	40.0	0	17.0	42.5	(41.0-116)
Hexachloroethane	40.0	0	14.9	37.2 *	(40.0-113)
Isophorone	40.0	0	21.1	52.8	(21.0-196)
1,2,4-Trichlorobenzene	40.0	0	16.0	40.1	(39.0-98.0)
Naphthalene	40.0	0	17.2	43.0	(21.0-133)
Hexachlorobutadiene	40.0	0	15.5	38.8	(24.0-116)
4-Chloro-3-methylphenol	40.0	0	18.1	45.3	(23.0-97.0)
2-Methylnaphthalene	40.0	0	17.0	42.4	(28.0-104)
2,6-Dinitrotoluene	40.0	0	25.4	63.4	(50.0-158)
Acenaphthylene	40.0	0	18.9	47.4	(33.0-145)
Acenaphthene	40.0	0	19.3	48.3	(46.0-118)
4-Nitrophenol	40.0	0	6.27	15.7	(10.0-80.0)
2,4-Dinitrotoluene	40.0	0	26.8	67.1	(24.0-96.0)
Dibenzofuran	40.0	0	20.4	51.1	(30.0-98.0)
Pyrene	40.0	0	28.4	71.0	(26.0-127)
Benzo[a]pyrene	40.0	0	31.0	77.4	(17.0-163)

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

\* Values outside of QC limits

Spike Recovery: 1 out of 20 outside limits.

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Environmental Quality Services

Contract: \_\_\_\_\_

Lab Code: EQS Case No.: NASAS No.: NA

SGD No.: \_\_\_\_\_

Matrix Spike - EPA Sample No.: 1204168-09Matrix Spike File ID: C2854-6462 4/23/2012 6:08:00 PMMatrix Spike Duplicate File ID: C2854-6463 4/23/2012 6:37:00 PM

ANALYTE	Spike Added ppb	CONCENTRATIONS			% RECOVERIES			QC LIMITS	
		SAMPLE ppb	MS ppb	MSD ppb	MS %	MSD %	RPD %	RPD %	RECOVERIES %
Phenol	40.0	0	6.65	7.67	16.6	19.2	14.2	25.0	(12.0-110)
2-Chlorophenol	40.0	0	15.0	16.6	37.4	41.6	10.7	32.0	(27.0-123)
1,4-Dichlorobenzene	40.0	0	16.6	16.3	41.4	40.8	1.70	23.0	(36.0-97.0)
1,2-Dichlorobenzene	40.0	0	16.8	16.1	41.9	40.3	3.83	30.0	(32.0-129)
Di-n-propylnitrosamine	40.0	0	17.2	19.8	43.0	49.4	13.8	24.0	(41.0-116)
Isophorone	40.0	0	23.2	27.0	58.1	67.5	14.9	28.0	(21.0-196)
1,2,4-Trichlorobenzene	40.0	0	16.4	17.7	41.1	44.3	7.67	30.0	(39.0-98.0)
Naphthalene	40.0	0	17.7	19.6	44.3	48.9	9.93	25.0	(21.0-133)
4-Chloro-3-methylphenol	40.0	0	26.0	26.6	65.0	66.6	2.47	25.0	(23.0-97.0)
2-Methylnaphthalene	40.0	0	18.2	21.3	45.5	53.3	15.8	23.0	(28.0-104)
Acenaphthylene	40.0	0	23.6	25.9	59.0	64.8	9.41	23.0	(33.0-145)
Acenaphthene	40.0	0	24.3	26.6	60.7	66.6	9.19	40.0	(46.0-118)
4-Nitrophenol	40.0	3.54	20.7	18.9	42.9	38.3	11.3	45.0	(10.0-80.0)
2,4-Dinitrotoluene	40.0	0	32.8	32.2	81.9	80.5	1.76	40.0	(24.0-96.0)
Dibenzofuran	40.0	0	25.9	27.3	64.8	68.3	5.26	25.0	(30.0-98.0)
Pentachlorophenol	40.0	0	54.5	51.0	136 *	127 *	6.75	36.0	(9.00-103)
Pyrene	40.0	0	29.9	29.1	74.8	72.8	2.68	47.0	(26.0-127)
Benzo[a]pyrene	40.0	0	33.3	32.9	83.3	82.3	1.18	28.0	(17.0-163)

\* Values outside of QC limits

RPD: 0 out of 18 outside limitsSpike Recovery: 2 out of 36 outside limits

COMMENTS: \_\_\_\_\_

## SEMI VOLATILE METHOD BLANK SUMMARY

EPA BLANK ID

-
---

Lab Name: Environmental Quality Services Contract: WYANDANC SDG No. : \_\_\_\_\_Lab Code: EQS Case No. : NA SAS No. : NA

Matrix: \_\_\_\_\_

Lab Sample ID: - \_\_\_\_\_

GC Column: Rtx-5MS - 0.25 mm

Lab File ID: - \_\_\_\_\_

Instrument ID: \_\_\_\_\_

Date Extracted: 4/13/2012Level: LowDate Analyzed: 12/30/1899Time Analyzed : 12:00:00 am

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
MW-20	1204168-07	C2854-6459	04/23/2012 04:39:00 pm
MW-21	1204168-08	C2854-6460	04/23/2012 05:09:00 pm
MW-23	1204168-09	C2854-6461	04/23/2012 05:38:00 pm
MW-23	1204168-09MS	C2854-6462	04/23/2012 06:08:00 pm
MW-23	1204168-09MSD	C2854-6463	04/23/2012 06:37:00 pm

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Lab File ID: C2854-278DFTPP Injection Date: 04/23/2012Instrument ID: C2854DFTPP Injection Time: 11:26:00 amGC Column: Rtx-5MS - 0.25 mm

m/e	ION ABUNDANCE CRITERIA	%RELATIVE ABUNDANCE	RAW ABUNDANCE	PASS/FAIL
51	30.0 - 60.0% of mass 198	47.2	133248	Pass
68	Less than 2% of mass 69	0	0 (1)	Pass
69	0-100% of mass 198	51.3	144576	Pass
70	Less than 2% of mass 69	0.78	1129 (1)	Pass
127	40-60% of mass 198	55.0	155008	Pass
197	Less than 1% of mass 198	0	0	Pass
198	Base peak, 100% relative abundance	100	282048	Pass
199	5-9% of mass 198	6.72	18952	Pass
275	10-30% of mass 198	23.1	65160	Pass
365	Greater than 1% of mass 198	3.31	9349	Pass
441	Present, but less than mass 443	83.1	33432 (2)	Pass
442	40-110% of mass 198	76.3	215232	Pass
443	17-23% of mass 442	18.7	40216 (3)	Pass

1-Value is % mass 69 2-Value is % mass 443 3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD005-01	SSTD005-01	C2854-6450	04/23/2012	11:59:00 am
SSTD010-02	SSTD010-02	C2854-6451	04/23/2012	12:28:00 pm
SSTD020-03	SSTD020-03	C2854-6452	04/23/2012	12:58:00 pm
SSTD040-04	SSTD040-04	C2854-6453	04/23/2012	01:27:00 pm
SSTD080-05	SSTD080-05	C2854-6454	04/23/2012	01:57:00 pm
SSTD020-03	SSTD020-03	C2854-6456	04/23/2012	03:11:00 pm
SBLK-51	SBLK-51	C2854-6457	04/23/2012	03:40:00 pm
MW-20	1204168-07	C2854-6459	04/23/2012	04:39:00 pm
MW-21	1204168-08	C2854-6460	04/23/2012	05:09:00 pm
MW-23	1204168-09	C2854-6461	04/23/2012	05:38:00 pm
MW-23	1204168-09MS	C2854-6462	04/23/2012	06:08:00 pm
MW-23	1204168-09MSD	C2854-6463	04/23/2012	06:37:00 pm

## SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Environmental Quality Services Contract: WYANDANC  
 Lab Code: EQS Case No.: NA SAS No: NA SDG No: \_\_\_\_\_

Lab File ID (Standard): C2854-6456

Date Analyzed: 04/23/2012

Instrument ID: C2854

Time Analyzed: 03:11:00 pm

GC Column: Rtx-5MS - 0.25 mm

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	789210	9.97	616517	13.02	269249	16.07
UPPER LIMIT	1578420	10.47	1233034	13.52	538498	16.57
LOWER LIMIT	394605	9.47	308259	12.52	134625	15.57
EPA SAMPLE NO.						
SBLK-51	828531	9.97	590593	13.01	242766	16.06
1204168-09MS	864825	9.98	689584	13.02	335270	16.07
1204168-09MSD	803516	9.97	639825	13.02	309532	16.07
1204168-09	691180	9.97	502914	13.01	216699	16.07
1204168-08	909495	9.97	654610	13.01	281328	16.07
1204168-07	812664	9.97	592260	13.01	251546	16.07

IS4 (PHN) = Phenathrene

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = + 100% of internal standard area

AREA LOWERLIMIT = -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.

## SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Environmental Quality Services Contract: WYANDANC  
 Lab Code: EQS Case No.: NA SAS No.: NA SDG No.: \_\_\_\_\_

Lab File ID (Standard): C2854-6456

Date Analyzed: 04/23/2012

Instrument ID: C2854

Time Analyzed: 03:11:00 pm

GC Column: Rtx-5MS - 0.25 mm

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	205424	5.46	837314	6.67	459332	8.46
UPPER LIMIT	410848	5.96	1674628	7.17	918664	8.96
LOWER LIMIT	102712	4.96	418657	6.17	229666	7.96
EPA SAMPLE NO.						
SBLK-51	205014	5.46	845221	6.67	473717	8.46
1204168-09MS	224489	5.46	920255	6.67	504526	8.46
1204168-09MSD	207520	5.45	846221	6.67	467215	8.46
1204168-09	172777	5.46	712252	6.67	401779	8.46
1204168-08	228898	5.45	948579	6.67	528134	8.46
1204168-07	203598	5.45	839902	6.67	468375	8.46

IS1 (DCB) = 1,4 Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = + 100% of internal standard area

AREA LOWERLIMIT = -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.

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Sample Data**

*Environmental Quality Services, Inc.*

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA SDG No: \_\_\_\_\_Matrix: (Soil/Water) WaterLab Sample ID: 1204168-07Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6459Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	ND	U
50-32-8	Benzo(a)pyrene	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
62-53-3	Aniline	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
65-85-0	Benzoic acid	ND	U
67-72-1	Hexachloroethane	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
78-59-1	Isophorone	ND	U
83-32-9	Acenaphthene	ND	U
84-66-2	Diethyl phthalate	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
85-01-8	Phenanthrene	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
86-73-7	Fluorene	ND	U
86-74-8	Carbazole	ND	U
87-68-3	Hexachlorobutadiene	ND	U
87-86-5	Pentachlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
91-20-3	Naphthalene	ND	U
91-57-6	2-Methylnaphthalene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
92-87-5	Benzidine	ND	U
95-48-7	2-Methylphenol	ND	U



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-07Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6459Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	ND	U
95-57-8	2-Chlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
98-95-3	Nitrobenzene	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
106-47-8	4-Chloroaniline	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
108-95-2	Phenol	ND	U
110-86-1	Pyridine	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
118-74-1	Hexachlorobenzene	ND	U
120-12-7	Anthracene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
129-00-0	Pyrene	ND	U
131-11-3	Dimethyl phthalate	ND	U
132-64-9	Dibenzofuran	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-20

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-07Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6459Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
208-96-8	Acenaphthylene	ND	U
218-01-9	Chrysene	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U

Data Path : U:\DATA\C\C2854\  
 Data File : C6459.D  
 Acq On : 23 Apr 2012 4:39 pm  
 Operator : JK  
 Sample : 1204168-07  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 11 Sample Multiplier: 1

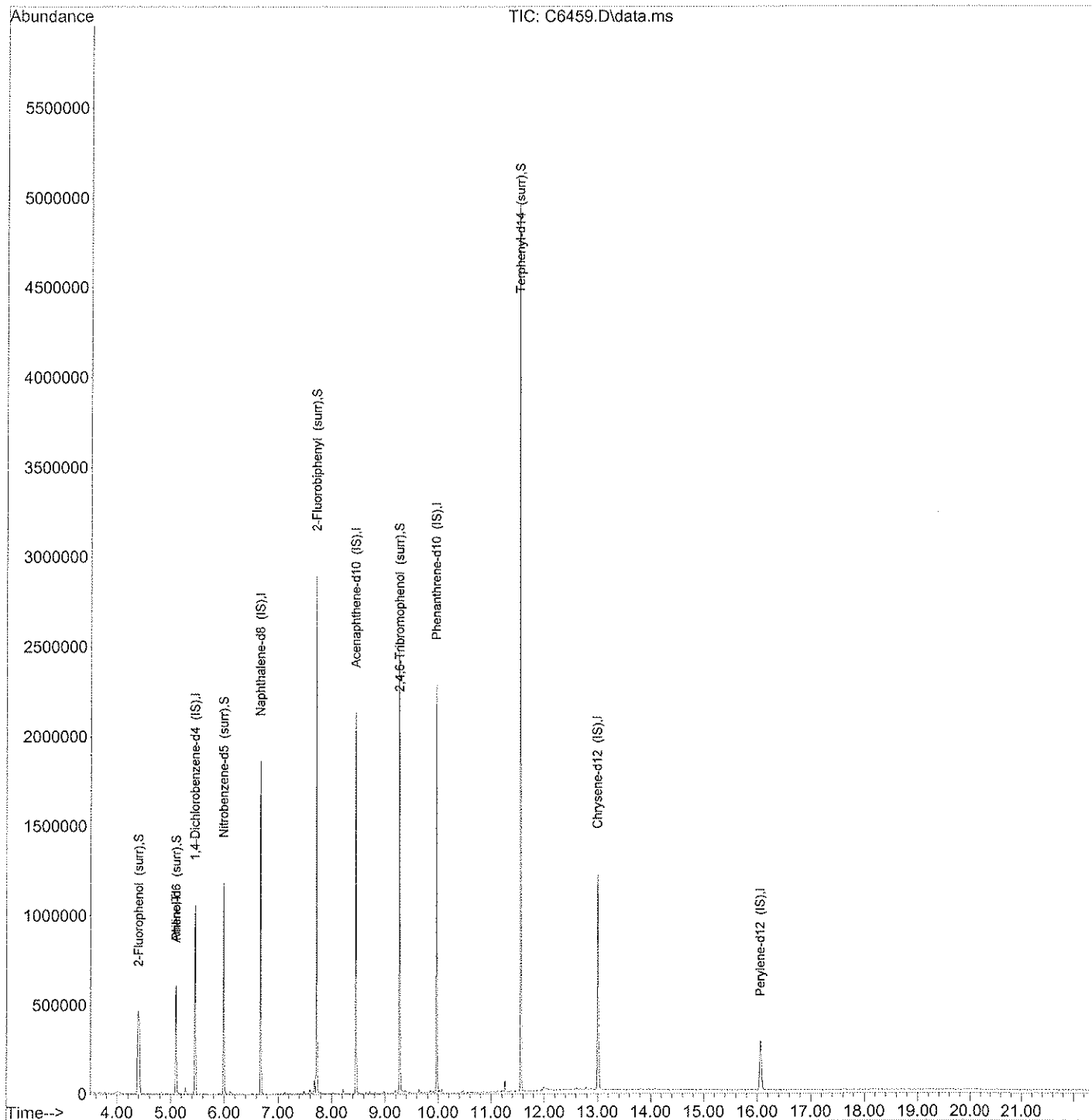
Quant Time: Apr 24 09:22:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

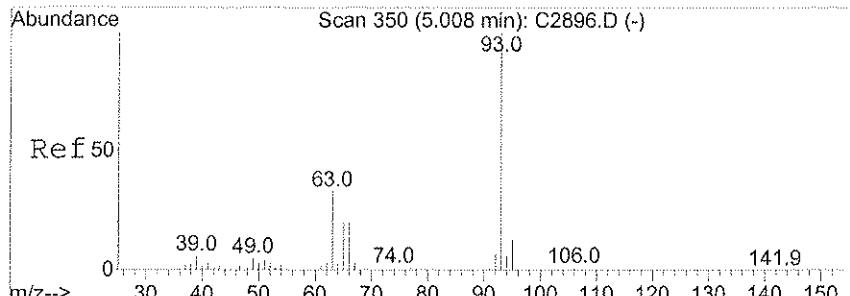
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	5.454	152	203598	40.00	ug/ml	0.00	
19) Naphthalene-d8 (IS)	6.672	136	839902	40.00	ug/ml	0.00	
34) Acenaphthene-d10 (IS)	8.456	164	468375	40.00	ug/ml	0.00	
55) Phenanthrene-d10 (IS)	9.972	188	812664	40.00	ug/ml	0.00	
68) Chrysene-d12 (IS)	13.011	240	592260	40.00	ug/ml	0.00	
77) Perylene-d12 (IS)	16.067	264	251546	40.00	ug/ml	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (surr)	4.396	112	357257	49.52	ug/ml	0.00	
Spiked Amount	200.000	Range	21 - 110	Recovery	=	24.76%	
5) Phenol-d6 (surr)	5.101	99	291241	30.49	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 110	Recovery	=	15.25%	
20) Nitrobenzene-d5 (surr)	5.988	82	409599	46.70	ug/ml	0.00	
Spiked Amount	100.000	Range	35 - 114	Recovery	=	46.70%	
38) 2-Fluorobiphenyl (surr)	7.724	172	838818	45.31	ug/ml	0.00	
Spiked Amount	100.000	Range	43 - 116	Recovery	=	45.31%	
59) 2,4,6-Tribromophenol ...	9.278	330	236065	135.01	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	67.50%	
71) Terphenyl-d14 (surr)	11.564	244	1481244	79.51	ug/ml	0.00	
Spiked Amount	100.000	Range	33 - 141	Recovery	=	79.51%	
Target Compounds							
<del>7) Aniline</del>	<del>5.096</del>	<del>66</del>	<del>17135</del>	<del>4.62</del>	<del>ug/ml</del>	<del>14</del>	<del>14</del>

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6459.D  
 Acq On : 23 Apr 2012 4:39 pm  
 Operator : JK  
 Sample : 1204168-07  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 11 Sample Multiplier: 1

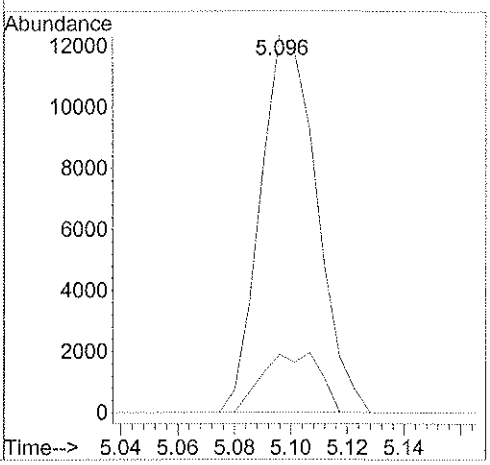
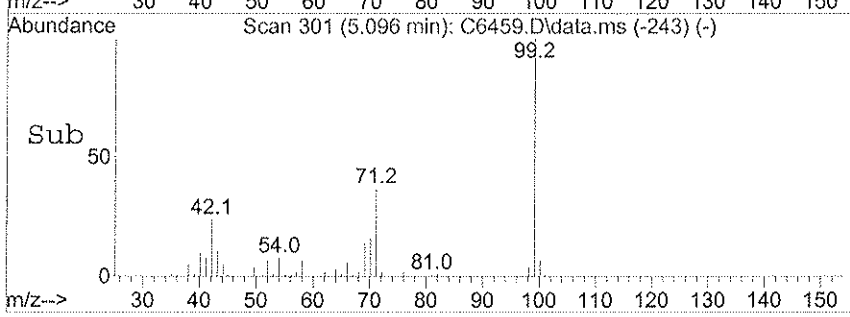
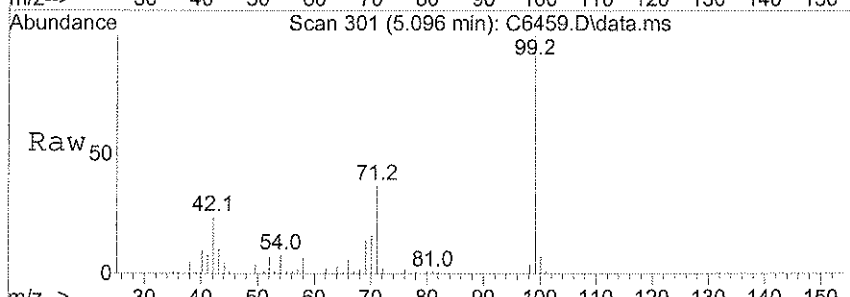
Quant Time: Apr 24 09:22:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration





#7  
 Aniline  
 Concen: 4.62 ug/ml  
 RT: 5.096 min Scan# 301  
 Delta R.T. -0.093 min  
 Lab File: C6459.D  
 Acq: 23 Apr 2012 4:39 pm

Tgt Ion: 66 Resp: 17135  
 Ion Ratio Lower Upper  
 66 100  
 65 15.4 81.8 122.8#



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-08Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6460Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	ND	U
50-32-8	Benzo(a)pyrene	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
62-53-3	Aniline	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
65-85-0	Benzoic acid	ND	U
67-72-1	Hexachloroethane	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
78-59-1	Isophorone	ND	U
83-32-9	Acenaphthene	ND	U
84-66-2	Diethyl phthalate	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
85-01-8	Phenanthrene	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
86-73-7	Fluorene	ND	U
86-74-8	Carbazole	ND	U
87-68-3	Hexachlorobutadiene	ND	U
87-86-5	Pentachlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
91-20-3	Naphthalene	ND	U
91-57-6	2-Methylnaphthalene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
92-87-5	Benzidine	ND	U
95-48-7	2-Methylphenol	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-08Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6460Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	ND	U
95-57-8	2-Chlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
98-95-3	Nitrobenzene	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
106-47-8	4-Chloroaniline	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
108-95-2	Phenol	ND	U
110-86-1	Pyridine	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
118-74-1	Hexachlorobenzene	ND	U
120-12-7	Anthracene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
129-00-0	Pyrene	ND	U
131-11-3	Dimethyl phthalate	ND	U
132-64-9	Dibenzofuran	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-08Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6460Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
208-96-8	Acenaphthylene	ND	U
218-01-9	Chrysene	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U



Data Path : U:\DATA\C\C2854\  
 Data File : C6460.D  
 Acq On : 23 Apr 2012 5:09 pm  
 Operator : JK  
 Sample : 1204168-08  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 24 09:22:38 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

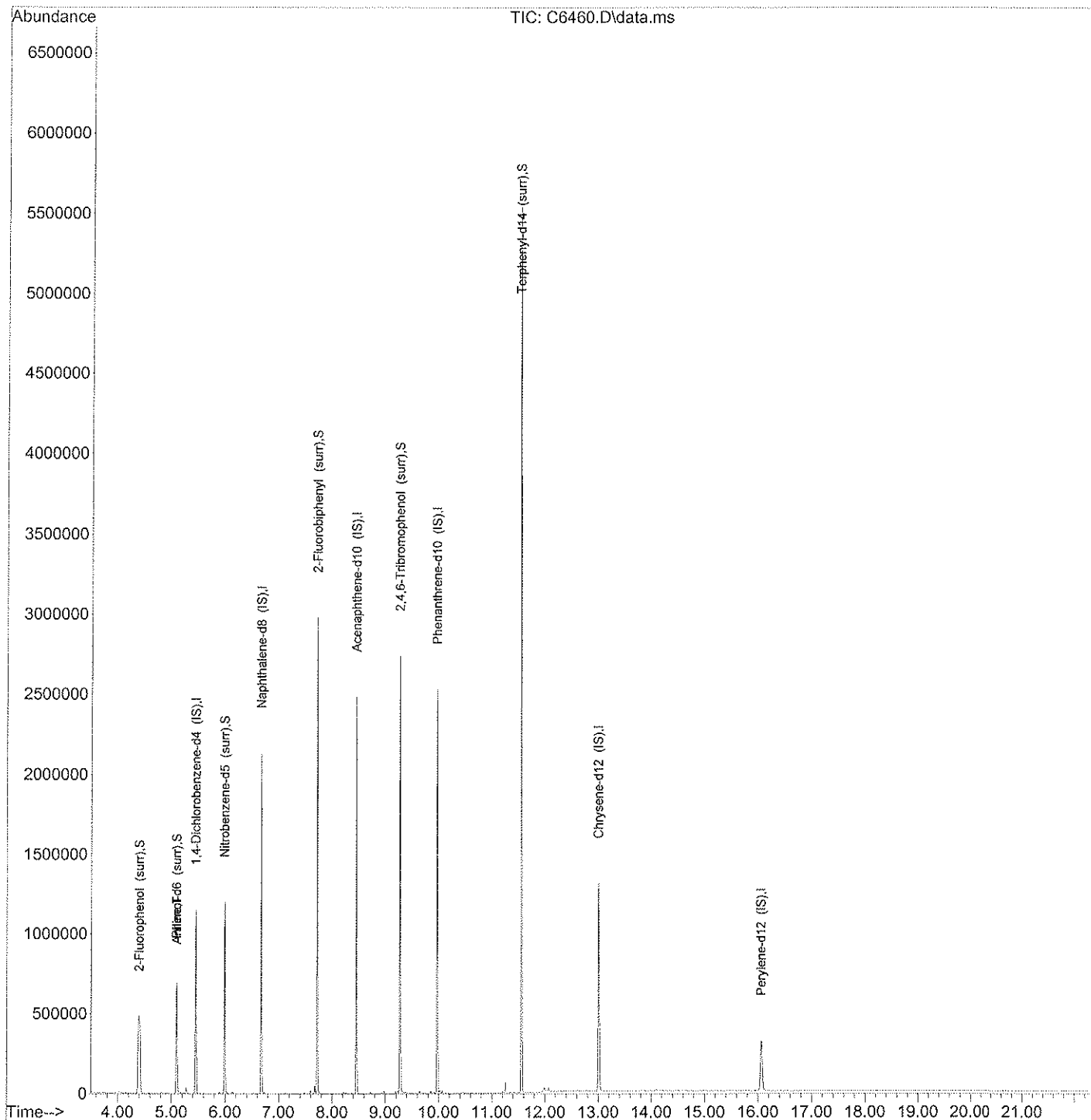
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
-----						
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.454	152	228898	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.672	136	948579	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.456	164	528134	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.973	188	909495	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.012	240	654610	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.067	264	281328	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.397	112	378410	46.66	ug/ml	0.00
Spiked Amount	200.000	Range	21 - 110	Recovery	=	23.33%
5) Phenol-d6 (surr)	5.096	99	318586	29.67	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	14.84%
20) Nitrobenzene-d5 (surr)	5.988	82	412853	41.68	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	41.68%
38) 2-Fluorobiphenyl (surr)	7.724	172	888127	42.55	ug/ml	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	42.55%#
59) 2,4,6-Tribromophenol ...	9.273	330	247420	126.44	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	63.22%
71) Terphenyl-d14 (surr)	11.559	244	1586753	77.06	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	77.06%

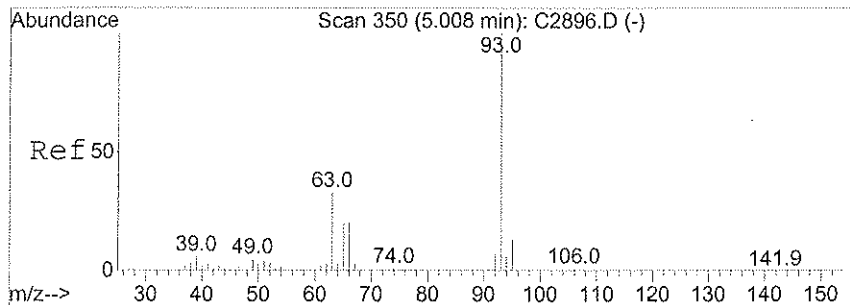
Target Compounds					Qvalue
<del>7) Aniline</del>	<del>5.102</del>	<del>66</del>	<del>17702</del>	<del>4.25 ug/ml</del>	<del>16</del>

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6460.D  
 Acq On : 23 Apr 2012 5:09 pm  
 Operator : JK  
 Sample : 1204168-08  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 12 Sample Multiplier: 1

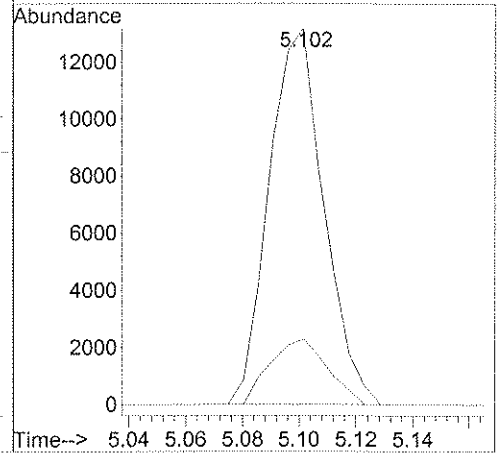
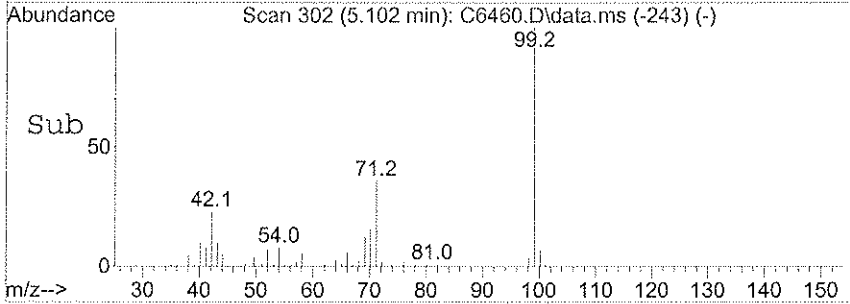
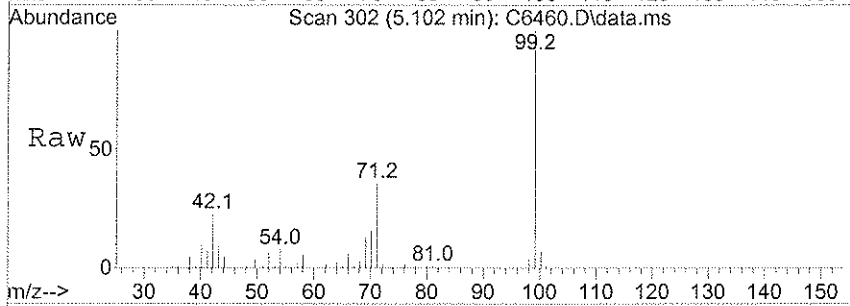
Quant Time: Apr 24 09:22:38 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration





#7  
 Aniline  
 Concen: 4.25 ug/ml  
 RT: 5.102 min Scan# 302  
 Delta R.T. -0.087 min  
 Lab File: C6460.D  
 Acq: 23 Apr 2012 5:09 pm

Tgt Ion: 66 Resp: 17702  
 Ion Ratio Lower Upper  
 66 100  
 65 17.3 81.8 122.8#



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6461Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted: (Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup: (Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	ND	U
50-32-8	Benzo(a)pyrene	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
58-90-2	2,3,4,6-Tetrachlorophenol	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
62-53-3	Aniline	ND	U
62-75-9	N-Nitrosodimethylamine	ND	U
65-85-0	Benzoic acid	ND	U
67-72-1	Hexachloroethane	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
78-59-1	Isophorone	ND	U
83-32-9	Acenaphthene	ND	U
84-66-2	Diethyl phthalate	ND	U
84-74-2	Di-n-butyl phthalate	ND	U
85-01-8	Phenanthrene	ND	U
85-68-7	Butyl benzyl phthalate	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
86-73-7	Fluorene	ND	U
86-74-8	Carbazole	ND	U
87-68-3	Hexachlorobutadiene	ND	U
87-86-5	Pentachlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U
88-74-4	2-Nitroaniline	ND	U
88-75-5	2-Nitrophenol	ND	U
91-20-3	Naphthalene	ND	U
91-57-6	2-Methylnaphthalene	ND	U
91-58-7	2-Chloronaphthalene	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
92-87-5	Benzidine	ND	U
95-48-7	2-Methylphenol	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6461Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	ND	U
95-57-8	2-Chlorophenol	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
98-95-3	Nitrobenzene	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
100-02-7	4-Nitrophenol	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenyl phenyl ether	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
106-44-5	3+4-Methylphenol	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
106-47-8	4-Chloroaniline	ND	U
108-60-1	bis(2-Chloroisopropyl)ether	ND	U
108-95-2	Phenol	ND	U
110-86-1	Pyridine	ND	U
111-44-4	bis(2-Chloroethyl)ether	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
117-84-0	Di-n-octyl phthalate	ND	U
118-74-1	Hexachlorobenzene	ND	U
120-12-7	Anthracene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
122-66-7	1,2-Diphenylhydrazine	ND	U
129-00-0	Pyrene	ND	U
131-11-3	Dimethyl phthalate	ND	U
132-64-9	Dibenzofuran	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09Sample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6461Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
208-96-8	Acenaphthylene	ND	U
218-01-9	Chrysene	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
621-64-7	N-Nitrosodi-n-propylamine	ND	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	U

Data Path : U:\DATA\C\C2854\  
 Data File : C6461.D  
 Acq On : 23 Apr 2012 5:38 pm  
 Operator : JK  
 Sample : 1204168-09  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 13 Sample Multiplier: 1

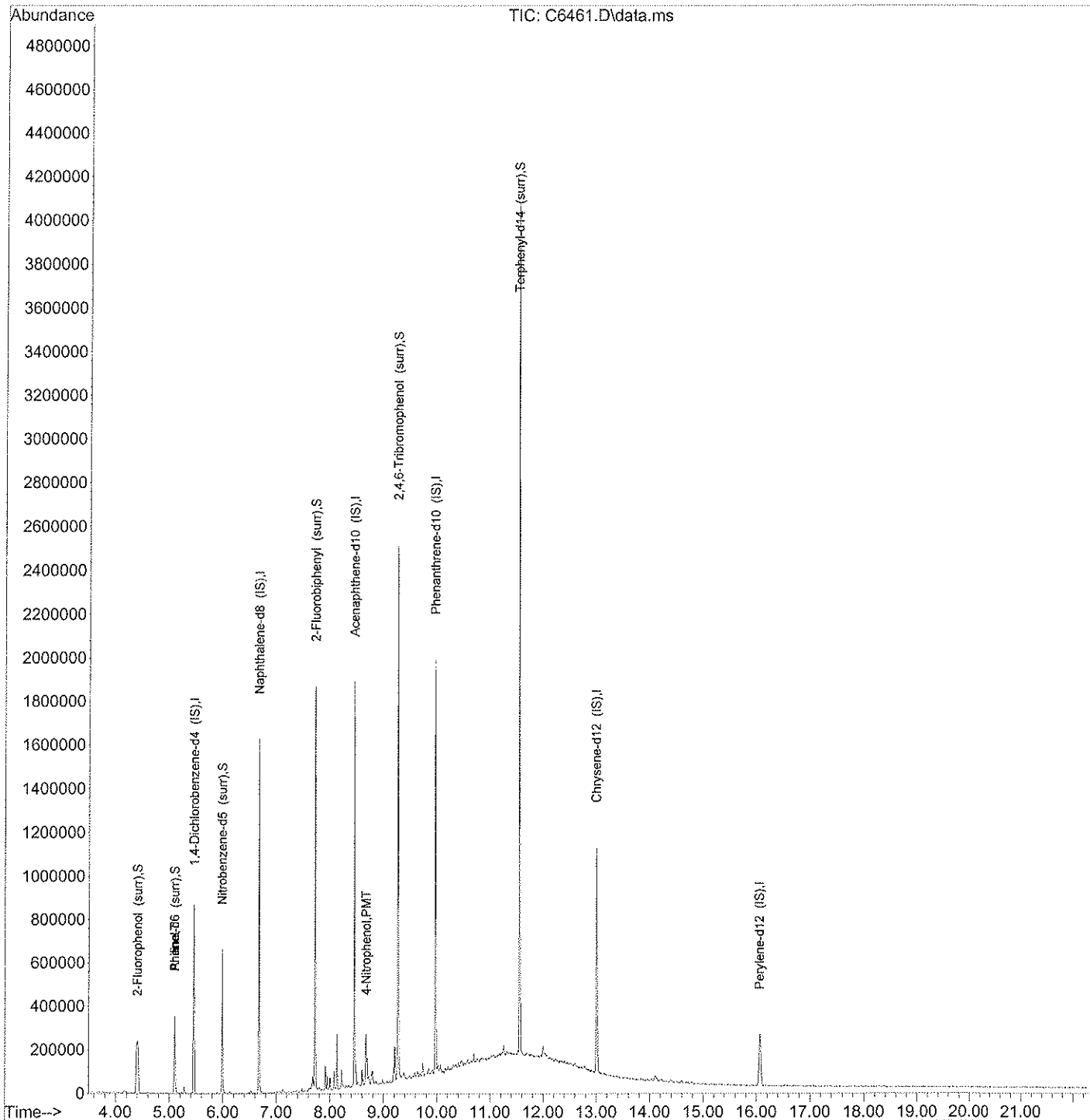
Quant Time: Apr 24 09:22:44 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.459	152	172777	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.672	136	712252	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.456	164	401779	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.973	188	691180	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.012	240	502914	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.067	264	216699	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.402	112	191644	31.30	ug/ml	0.00
Spiked Amount	200.000	Range 21 - 110	Recovery =	15.65%	#	
5) Phenol-d6 (surr)	5.101	99	171023	21.10	ug/ml	0.00
Spiked Amount	200.000	Range 10 - 110	Recovery =	10.55%		
20) Nitrobenzene-d5 (surr)	5.988	82	236184	31.75	ug/ml	0.00
Spiked Amount	100.000	Range 35 - 114	Recovery =	31.75%	#	
38) 2-Fluorobiphenyl (surr)	7.724	172	584344	36.80	ug/ml	0.00
Spiked Amount	100.000	Range 43 - 116	Recovery =	36.80%	#	
59) 2,4,6-Tribromophenol ...	9.273	330	234509	157.69	ug/ml	0.00
Spiked Amount	200.000	Range 10 - 123	Recovery =	78.84%		
71) Terphenyl-d14 (surr)	11.559	244	1110809	70.22	ug/ml	0.00
Spiked Amount	100.000	Range 33 - 141	Recovery =	70.22%		
Target Compounds						
7) Aniline	5.101	66	9793	3.11	ug/ml#	19
47) 4-Nitrophenol	8.675	65	6156	3.54	ug/ml#	22

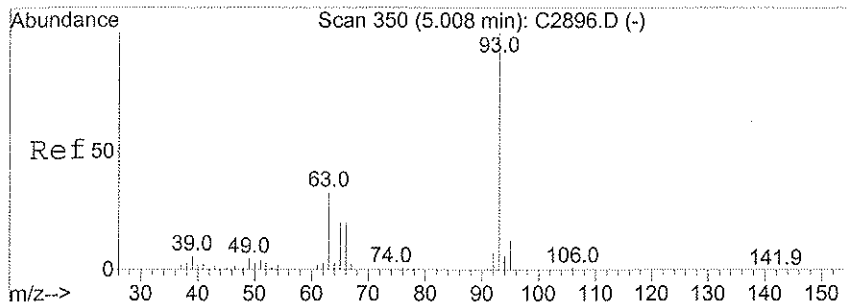
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6461.D  
 Acq On : 23 Apr 2012 5:38 pm  
 Operator : JK  
 Sample : 1204168-09  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 24 09:22:44 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

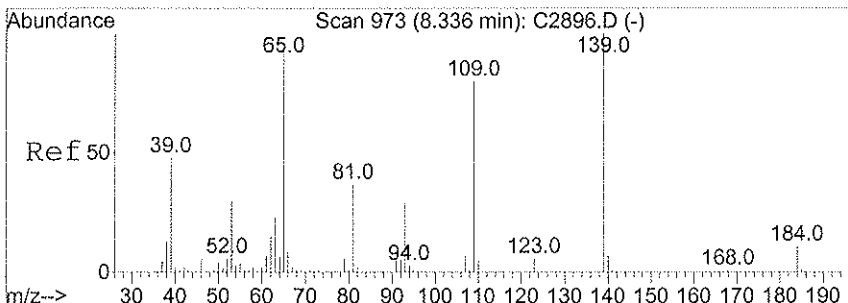
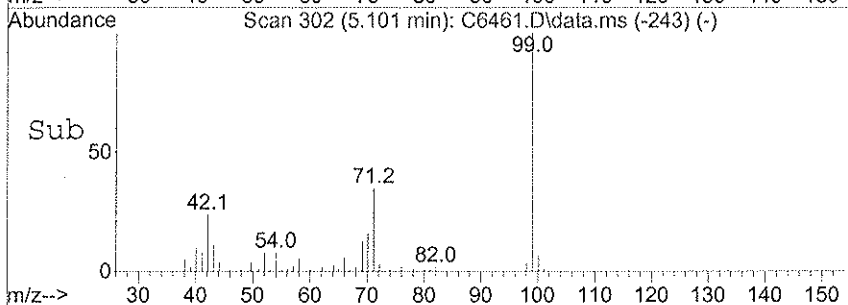
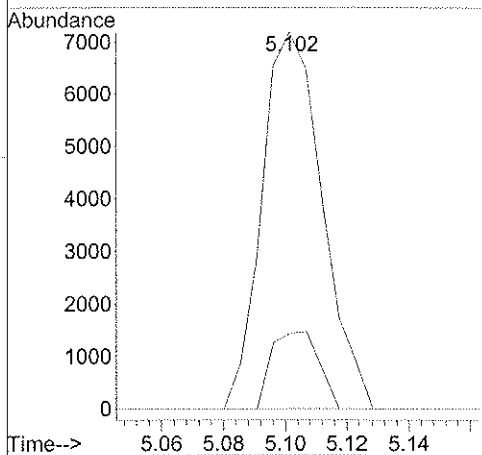
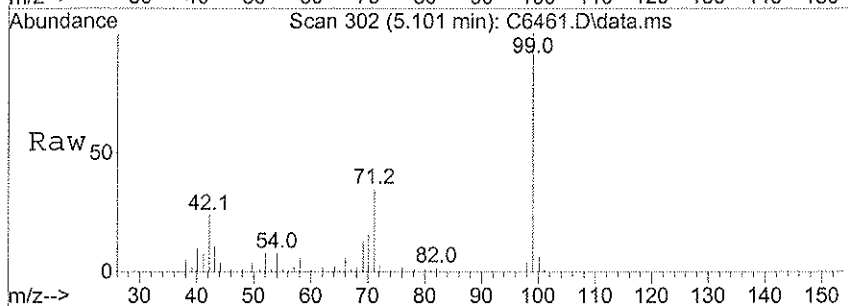






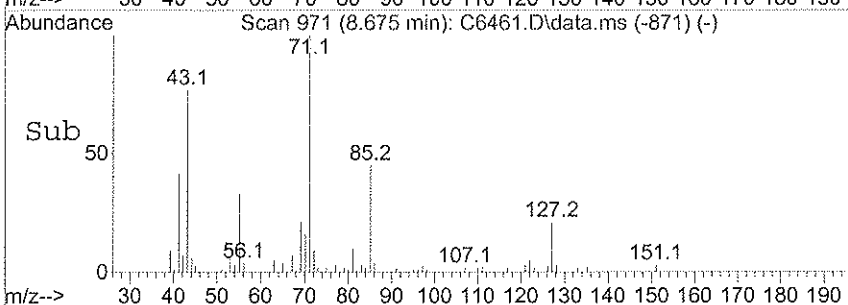
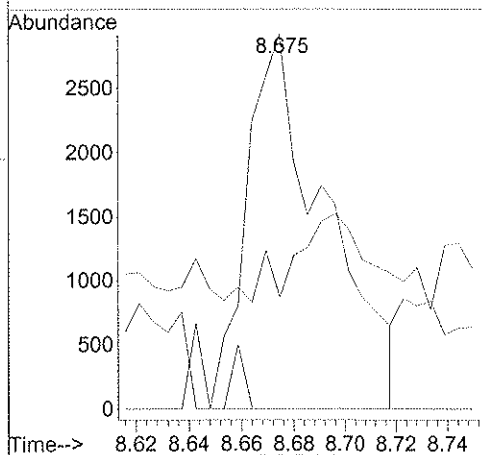
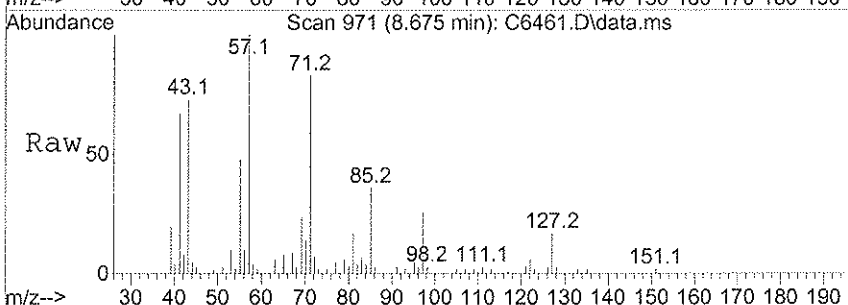
#7  
 Aniline  
 Concen: 3.11 ug/ml  
 RT: 5.101 min Scan# 302  
 Delta R.T. -0.087 min  
 Lab File: C6461.D  
 Acq: 23 Apr 2012 5:38 pm

Tgt Ion	Resp	Lower	Upper
66	9793		
66	100		
65	20.0	81.8	122.8#



#47  
 4-Nitrophenol  
 Concen: 3.54 ug/ml  
 RT: 8.675 min Scan# 971  
 Delta R.T. 0.132 min  
 Lab File: C6461.D  
 Acq: 23 Apr 2012 5:38 pm

Tgt Ion	Resp	Lower	Upper
65	6156		
65	100		
139	0.0	76.4	114.6#
109	29.7	58.4	87.6#



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6462Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	31.0	
50-32-8	Benzo(a)pyrene	33.3	
51-28-5	2,4-Dinitrophenol	ND	U
53-70-3	Dibenz(a,h)anthracene	38.6	
56-55-3	Benzo(a)anthracene	31.7	
58-90-2	2,3,4,6-Tetrachlorophenol	47.2	
59-50-7	4-Chloro-3-methylphenol	26.0	
62-53-3	Aniline	13.4	
62-75-9	N-Nitrosodimethylamine	ND	U
65-85-0	Benzoic acid	48.1	
67-72-1	Hexachloroethane	17.1	
77-47-4	Hexachlorocyclopentadiene	23.6	
78-59-1	Isophorone	23.2	
83-32-9	Acenaphthene	24.3	
84-66-2	Diethyl phthalate	31.1	
84-74-2	Di-n-butyl phthalate	31.2	
85-01-8	Phenanthrene	30.4	
85-68-7	Butyl benzyl phthalate	30.2	
86-30-6	N-Nitrosodiphenylamine	35.2	
86-73-7	Fluorene	28.0	
86-74-8	Carbazole	33.0	
87-68-3	Hexachlorobutadiene	16.1	
87-86-5	Pentachlorophenol	54.5	
88-06-2	2,4,6-Trichlorophenol	27.1	
88-74-4	2-Nitroaniline	29.3	
88-75-5	2-Nitrophenol	16.8	
91-20-3	Naphthalene	17.7	
91-57-6	2-Methylnaphthalene	18.2	
91-58-7	2-Chloronaphthalene	20.0	
91-94-1	3,3'-Dichlorobenzidine	ND	U
92-87-5	Benzidine	ND	U
95-48-7	2-Methylphenol	15.7	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6462Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	16.8	
95-57-8	2-Chlorophenol	15.0	
95-95-4	2,4,5-Trichlorophenol	32.0	
98-95-3	Nitrobenzene	17.1	
99-09-2	3-Nitroaniline	19.2	
100-01-6	4-Nitroaniline	25.9	
100-02-7	4-Nitrophenol	20.7	
100-51-6	Benzyl alcohol	15.2	
101-55-3	4-Bromophenyl phenyl ether	29.1	
105-67-9	2,4-Dimethylphenol	18.8	
106-44-5	3+4-Methylphenol	15.3	
106-46-7	1,4-Dichlorobenzene	16.6	
106-47-8	4-Chloroaniline	15.6	
108-60-1	bis(2-Chloroisopropyl)ether	16.8	
108-95-2	Phenol	6.65	
110-86-1	Pyridine	2.91	J
111-44-4	bis(2-Chloroethyl)ether	16.5	
111-91-1	bis(2-Chloroethoxy)methane	16.8	
117-81-7	bis(2-Ethylhexyl)phthalate	30.0	
117-84-0	Di-n-octyl phthalate	27.4	
118-74-1	Hexachlorobenzene	28.9	
120-12-7	Anthracene	30.8	
120-82-1	1,2,4-Trichlorobenzene	16.4	
120-83-2	2,4-Dichlorophenol	19.9	
121-14-2	2,4-Dinitrotoluene	32.8	
122-66-7	1,2-Diphenylhydrazine	26.5	
129-00-0	Pyrene	29.9	
131-11-3	Dimethyl phthalate	29.1	
132-64-9	Dibenzofuran	25.9	
191-24-2	Benzo(g,h,i)perylene	36.3	
193-39-5	Indeno(1,2,3-cd)pyrene	37.8	
205-99-2	Benzo(b)fluoranthene	31.7	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6462Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	31.5	
207-08-9	Benzo(k)fluoranthene	30.6	
208-96-8	Acenaphthylene	23.6	
218-01-9	Chrysene	30.2	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
541-73-1	1,3-Dichlorobenzene	16.7	
606-20-2	2,6-Dinitrotoluene	30.7	
621-64-7	N-Nitrosodi-n-propylamine	17.2	
7005-72-3	4-Chlorophenyl phenyl ether	27.0	

Data Path : U:\DATA\C\C2854\  
 Data File : C6462.D  
 Acq On : 23 Apr 2012 6:08 pm  
 Operator : JK  
 Sample : 1204168-09MSMS  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 13:56:48 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
-----						
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.456	152	224489	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.674	136	920255	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.458	164	504526	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.975	188	864825	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.019	240	689584	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.074	264	335270	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.399	112	440294	55.35	ug/ml	0.00
Spiked Amount	200.000	Range	21 - 110	Recovery	=	27.68%
5) Phenol-d6 (surr)	5.104	99	396551	37.66	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	18.83%
20) Nitrobenzene-d5 (surr)	5.990	82	449183	46.74	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	46.74%
38) 2-Fluorobiphenyl (surr)	7.726	172	1055348	52.92	ug/ml	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	52.92%
59) 2,4,6-Tribromophenol ...	9.280	330	403687	216.95	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	108.47%
71) Terphenyl-d14 (surr)	11.566	244	1897355	87.47	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	87.47%
Target Compounds						
2) N-Nitrosodimethylamine	3.523	42	33735m	7.03	ug/ml	
3) Pyridine	3.539	79	66285m	6.40	ug/ml	
6) Phenol	5.114	94	83209	6.65	ug/ml	99
7) Aniline	5.189	66	54579	13.35	ug/ml#	69
8) bis(2-Chloroethyl)ether	5.194	63	124900	16.55	ug/ml	98
9) 2-Chlorophenol	5.301	128	134928	14.96	ug/ml	99
10) 1,3-Dichlorobenzene	5.429	146	162477	16.72	ug/ml	98
11) 1,4-Dichlorobenzene	5.472	146	161991	16.58	ug/ml	98
12) Benzyl alcohol	5.563	108	79268	15.17	ug/ml	97
13) 1,2-Dichlorobenzene	5.648	146	155992	16.76	ug/ml	98
14) 2-Methylphenol	5.648	108	126609	15.68	ug/ml	99
15) bis(2-Chloroisopropyl)...	5.675	45	239438	16.75	ug/ml	98
16) 4-Methylphenol	5.777	108	126028	15.31	ug/ml	83
17) N-Nitrosodi-n-propylamine	5.809	70	114960	17.20	ug/ml	98
18) Hexachloroethane	5.937	117	59778	17.08	ug/ml	94
21) Nitrobenzene	6.006	123	74266	17.14	ug/ml	93
22) Isophorone	6.199	82	350645	23.24	ug/ml	100
23) 2-Nitrophenol	6.311	139	69556	16.78	ug/ml	94
24) 2,4-Dimethylphenol	6.279	122	159984	18.77	ug/ml	95
25) Benzoic acid	6.359	105	43264	48.11	ug/ml	94

Data Path : U:\DATA\C\C2854\  
 Data File : C6462.D  
 Acq On : 23 Apr 2012 6:08 pm  
 Operator : JK  
 Sample : 1204168-09MSMS  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 13:56:48 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) bis(2-Chloroethoxy)met...	6.364	93	180763	16.82	ug/ml	98
27) 2,4-Dichlorophenol	6.530	162	136562	19.86	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.615	180	124476	16.42	ug/ml	98
29) Naphthalene	6.695	128	454334	17.70	ug/ml	100
30) 4-Chloroaniline	6.738	127	149170	15.64	ug/ml	99
31) Hexachlorobutadiene	6.829	225	71636	16.15	ug/ml	98
32) 4-Chloro-3-methylphenol	7.176	107	199968	25.98	ug/ml	99
33) 2-Methylnaphthalene	7.368	142	321380	18.20	ug/ml	100
35) Hexachlorocyclopentadiene	7.576	237	26017	23.57	ug/ml	98
36) 2,4,6-Trichlorophenol	7.667	196	117894	27.06	ug/ml	96
37) 2,4,5-Trichlorophenol	7.715	196	144869	32.00	ug/ml	96
39) 2-Chloronaphthalene	7.870	162	315313	20.01	ug/ml	98
40) 2-Nitroaniline	7.988	65	137823	29.34	ug/ml	99
41) Dimethylphthalate	8.137	163	524221	29.09	ug/ml	99
42) 2,6-Dinitrotoluene	8.239	165	108739	30.70	ug/ml	95
43) Acenaphthylene	8.308	152	602960	23.60	ug/ml	99
44) 3-Nitroaniline	8.410	138	75333	19.18	ug/ml	90
45) Acenaphthene	8.490	154	364549	24.29	ug/ml	98
<del>46) 2,4-Dinitrophenol</del>	<del>8.511</del>	<del>184</del>	<del>4151m</del>	<del>98.99</del>	<del>ug/ml</del>	
47) 4-Nitrophenol	8.554	65	45272	20.71	ug/ml	95
48) 2,4-Dinitrotoluene	8.650	165	157441	32.76	ug/ml	97
49) Dibenzofuran	8.645	168	575214	25.91	ug/ml	100
50) 2,3,4,6-Tetrachlorophenol	8.805	232	103048	47.19	ug/ml	96
51) Diethylphthalate	8.837	149	577406	31.11	ug/ml	100
52) Fluorene	9.003	166	504555	28.00	ug/ml	99
53) 4-Chlorophenyl phenyl ...	8.949	204	228609	26.99	ug/ml	99
54) 4-Nitroaniline	9.051	138	97507	25.88	ug/ml	94
56) 4,6-Dinitro-2-methylph...	9.072	198	20257	105.06	ug/ml	97
57) N-Nitrosodiphenylamine	9.077	169	456442	35.18	ug/ml	99
58) 1,2-Diphenylhydrazine	9.115	77	563072	26.48	ug/ml	99
60) 4-Bromophenyl phenyl e...	9.457	248	136225	29.10	ug/ml	99
61) Hexachlorobenzene	9.654	284	139364	28.93	ug/ml	99
62) Pentachlorophenol	9.830	266	45204	54.54	ug/ml	95
63) Phenanthrene	9.996	178	755360	30.37	ug/ml	99
64) Anthracene	10.044	178	760758	30.80	ug/ml	99
65) Carbazole	10.194	167	713756	33.00	ug/ml	99
66) Di-n-butylphthalate	10.466	149	1038836	31.18	ug/ml	99
67) Fluoranthene	11.235	202	839952	31.52	ug/ml	96
70) Pyrene	11.481	202	836610	29.91	ug/ml	98
72) Butylbenzylphthalate	12.079	149	446938	30.20	ug/ml	97
74) bis(2-Ethylhexyl)phtha...	12.789	149	642960	29.99	ug/ml	100
75) Benzo(a)anthracene	12.987	228	636467	31.73	ug/ml	100
76) Chrysene	13.062	228	568428	30.23	ug/ml	97

Data Path : U:\DATA\C\C2854\  
 Data File : C6462.D  
 Acq On : 23 Apr 2012 6:08 pm  
 Operator : JK  
 Sample : 1204168-09MSMS  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 14 Sample Multiplier: 1

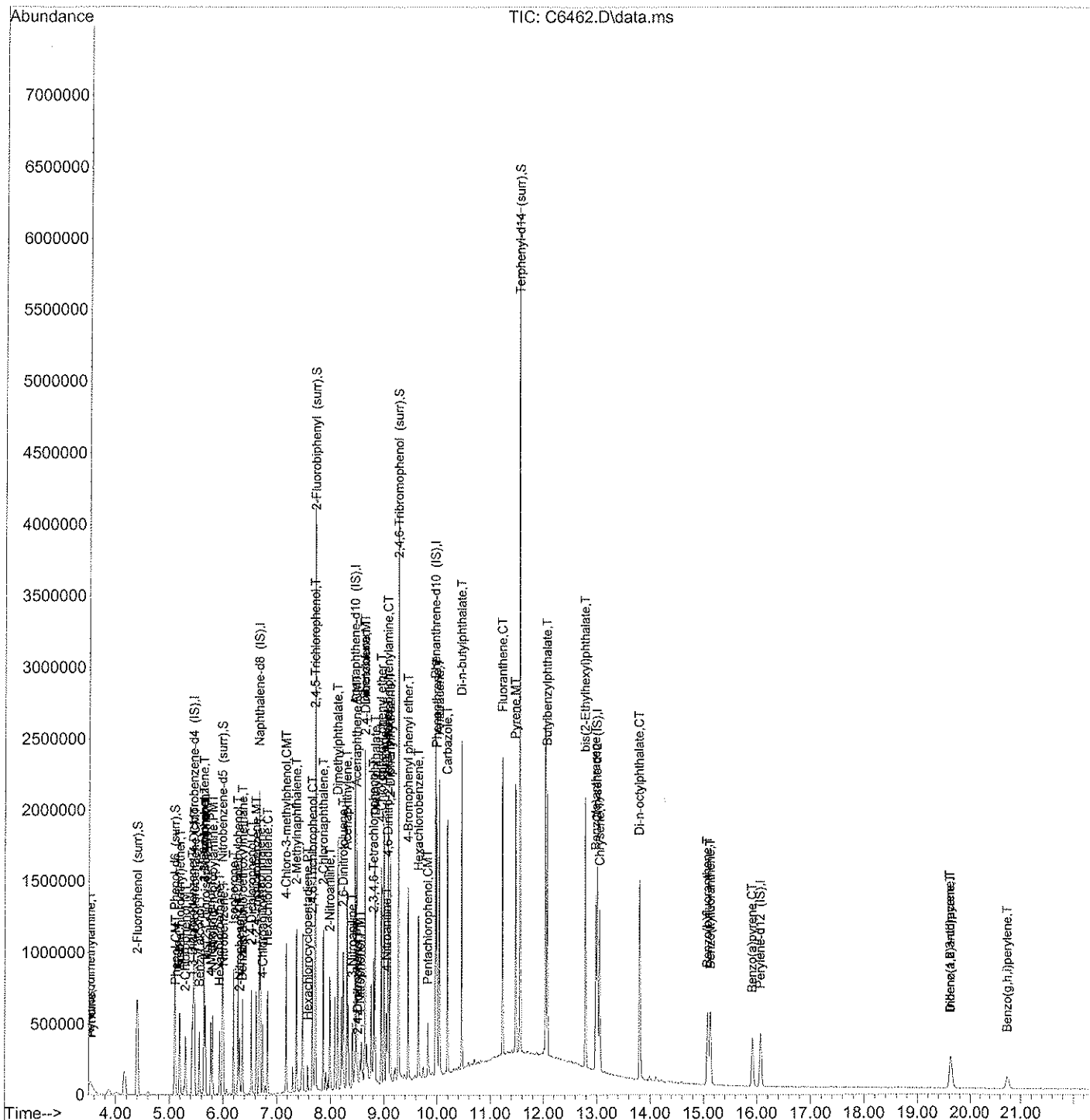
Quant Time: Apr 25 13:56:48 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Di-n-octylphthalate	13.810	149	1026287	27.37	ug/ml	99
79) Benzo(b)fluoranthene	15.081	252	422375	31.67	ug/ml	99
80) Benzo(k)fluoranthene	15.134	252	382380	30.56	ug/ml	98
81) Benzo(a)pyrene	15.919	252	312277	33.31	ug/ml	99
82) Indeno(1,2,3-cd)pyrene	19.626	276	193511	37.84	ug/ml	93
83) Dibenz(a,h)anthracene	19.631	278	171506	38.57	ug/ml	97
84) Benzo(g,h,i)perylene	20.742	276	137250	36.29	ug/ml	92

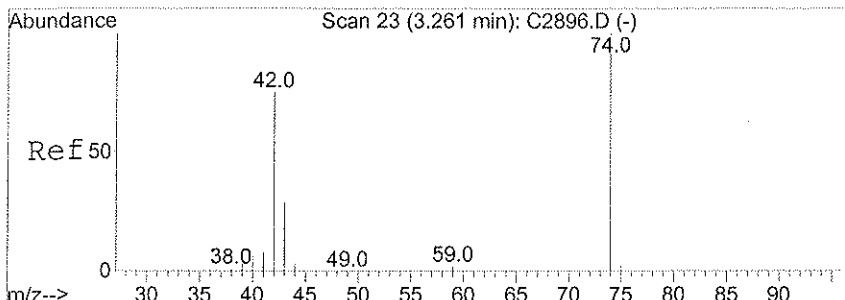
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6462.D  
 Acq On : 23 Apr 2012 6:08 pm  
 Operator : JK  
 Sample : 1204168-09MSMS  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 25 13:56:48 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

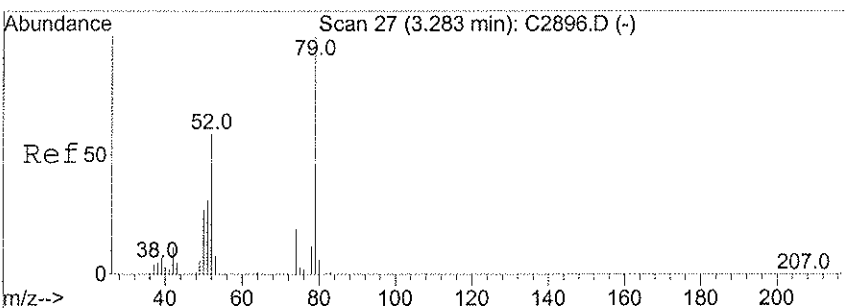
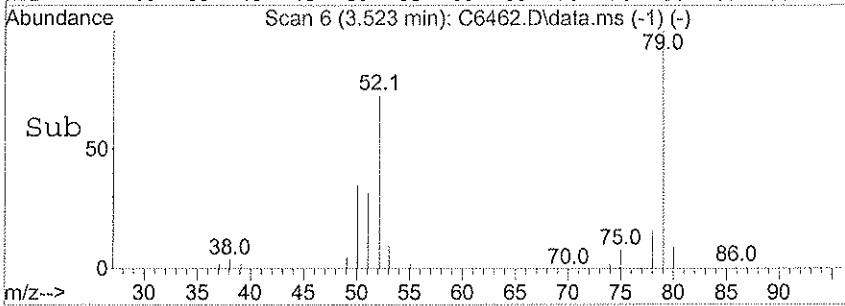
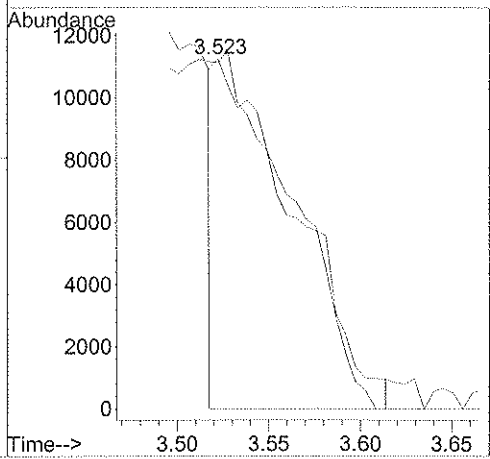
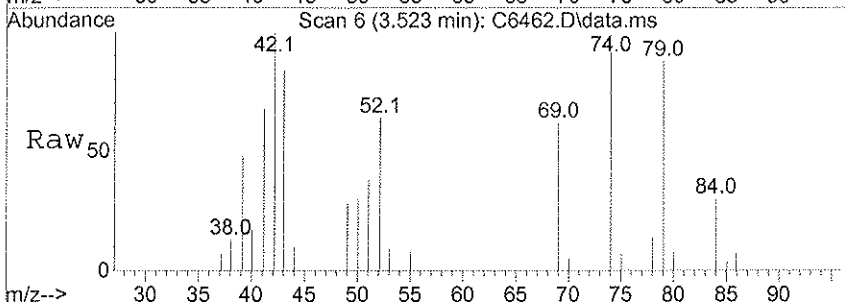






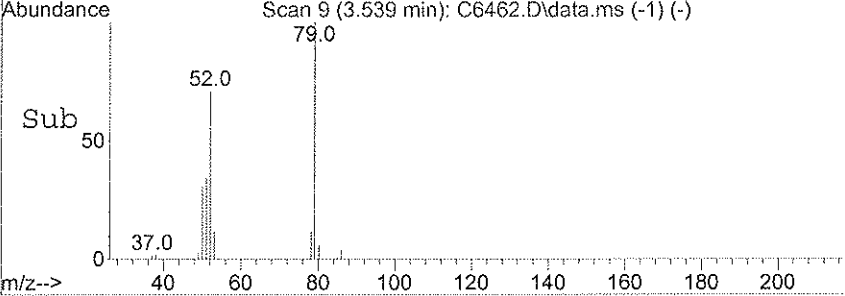
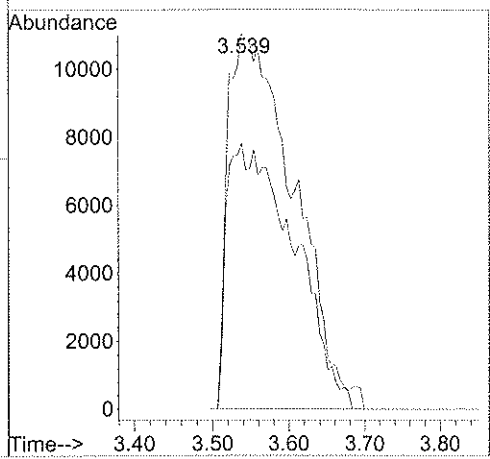
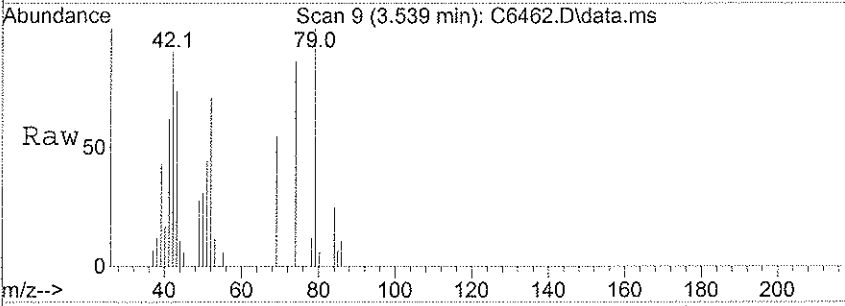
#2  
 N-Nitrosodimethylamine  
 Concen: 7.03 ug/ml m  
 RT: 3.523 min Scan# 6  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

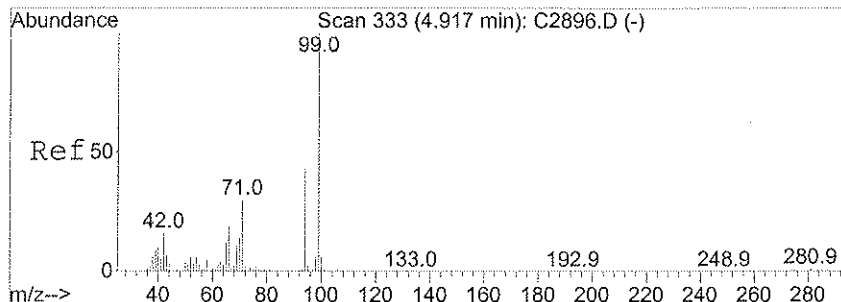
Tgt Ion:	Resp:	Lower	Upper
42	33735		
74	99.0	83.0	124.4



#3  
 Pyridine  
 Concen: 6.40 ug/ml m  
 RT: 3.539 min Scan# 9  
 Delta R.T. 0.011 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

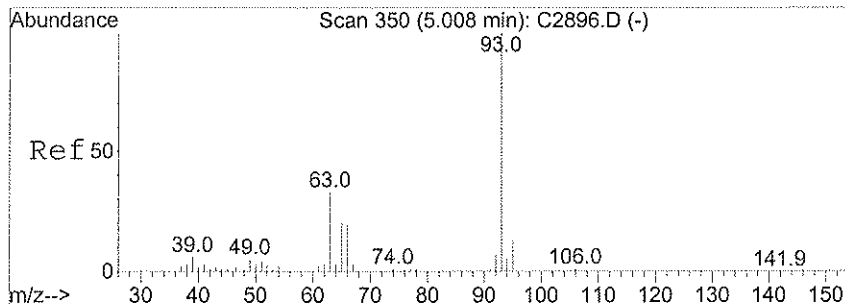
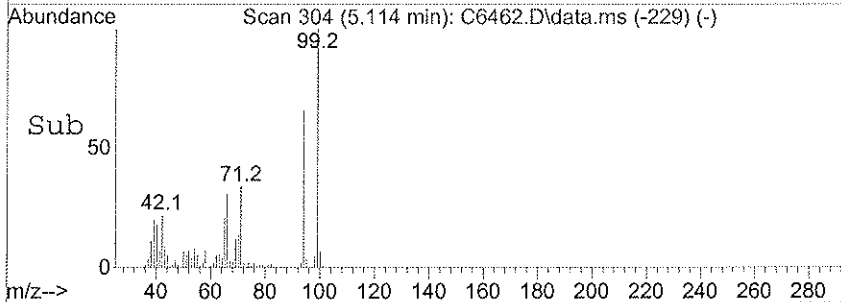
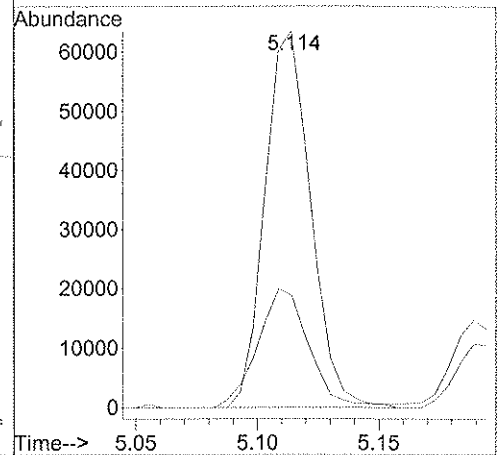
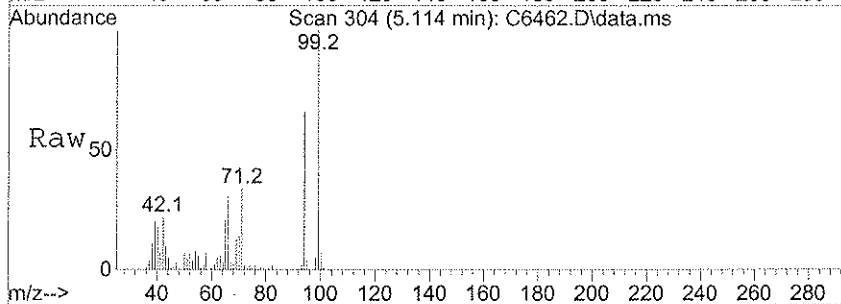
Tgt Ion:	Resp:	Lower	Upper
79	66285		
52	70.9	54.1	81.1





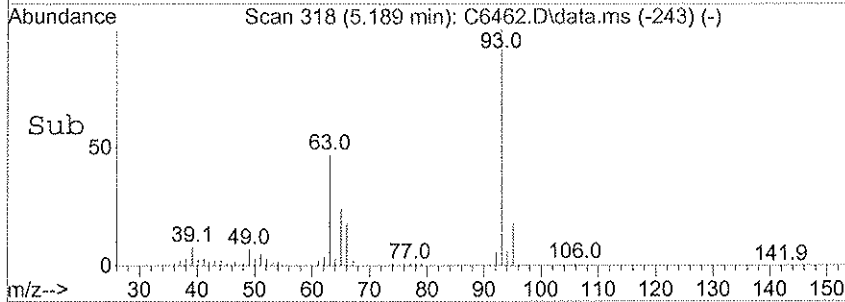
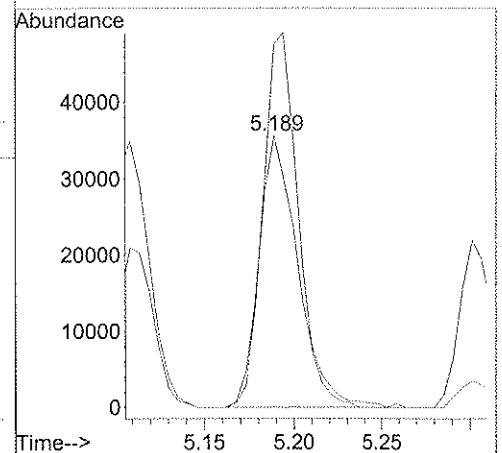
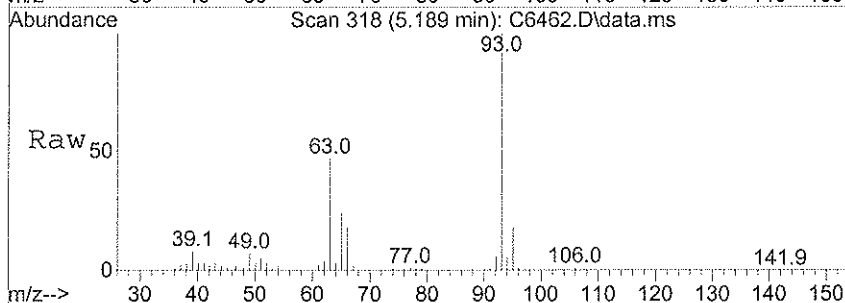
#6  
 Phenol  
 Concen: 6.65 ug/ml  
 RT: 5.114 min Scan# 304  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

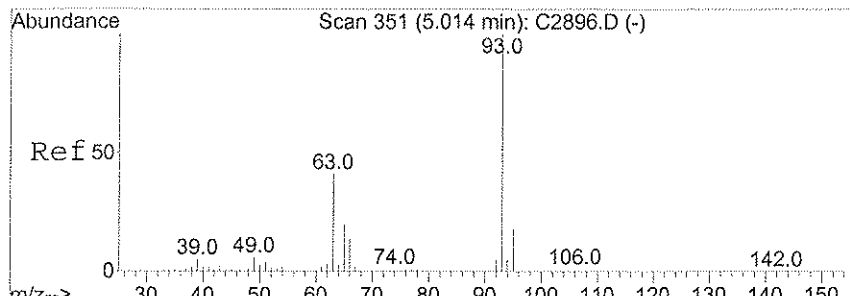
Tgt Ion: 94 Resp: 83209  
 Ion Ratio Lower Upper  
 94 100  
 39 29.6 20.2 37.6



#7  
 Aniline  
 Concen: 13.35 ug/ml  
 RT: 5.189 min Scan# 318  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

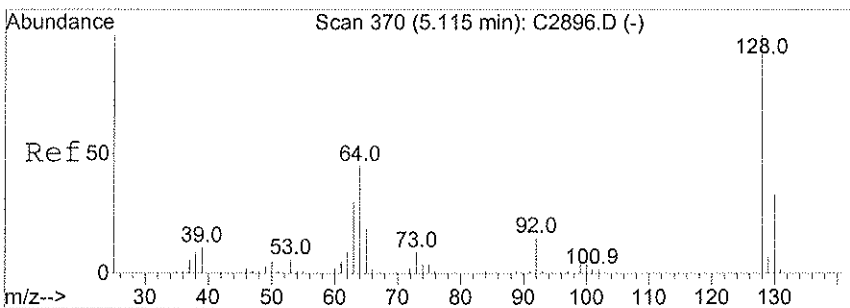
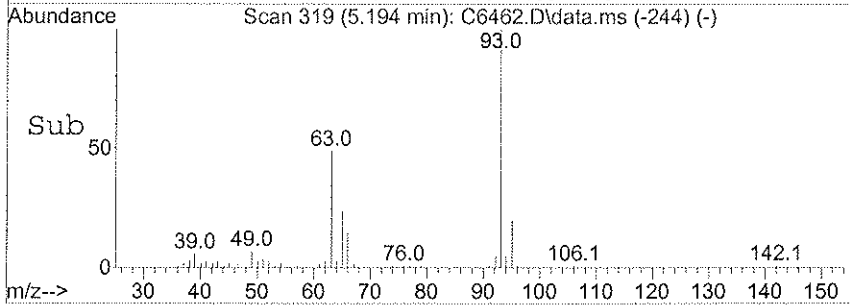
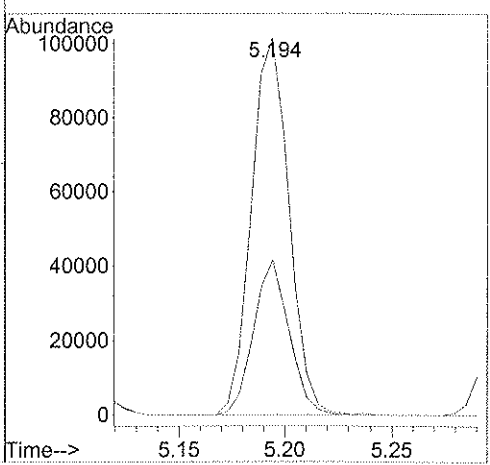
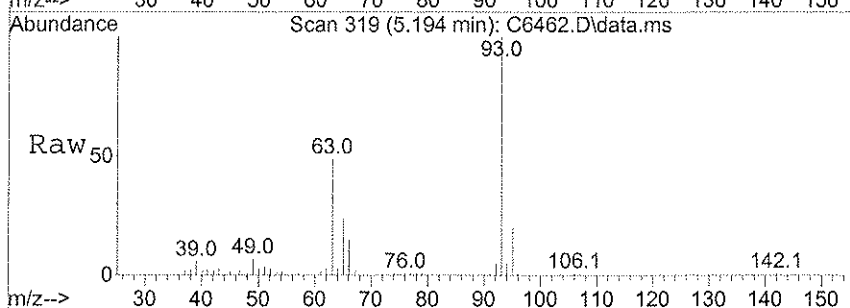
Tgt Ion: 66 Resp: 54579  
 Ion Ratio Lower Upper  
 66 100  
 65 133.3 81.8 122.8#





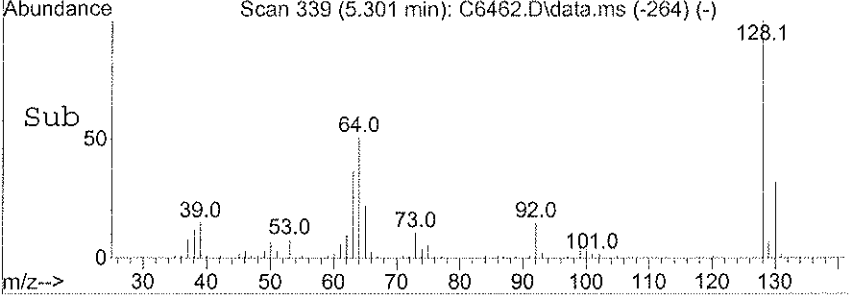
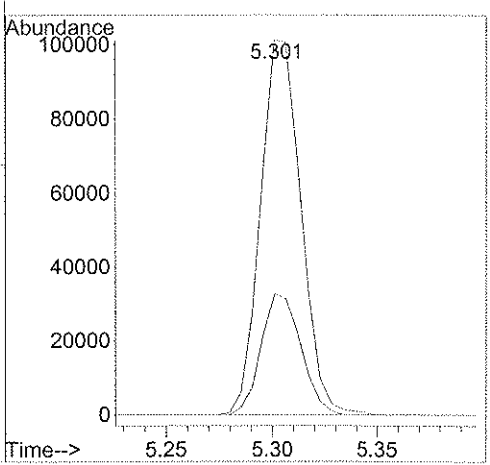
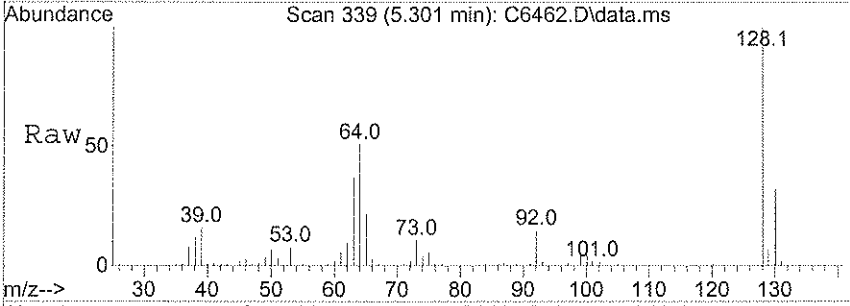
#8  
 bis(2-Chloroethyl) ether  
 Concen: 16.55 ug/ml  
 RT: 5.194 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

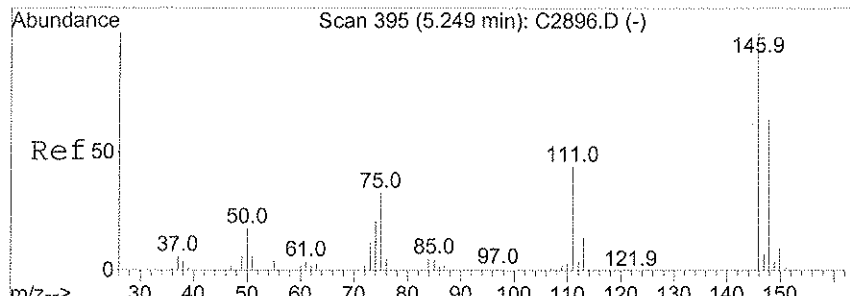
Tgt Ion:	Resp:	Lower	Upper
63	124900		
95	41.0	31.8	47.8



#9  
 2-Chlorophenol  
 Concen: 14.96 ug/ml  
 RT: 5.301 min Scan# 339  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

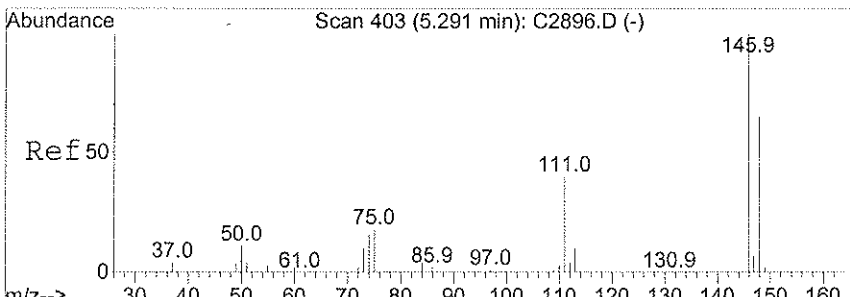
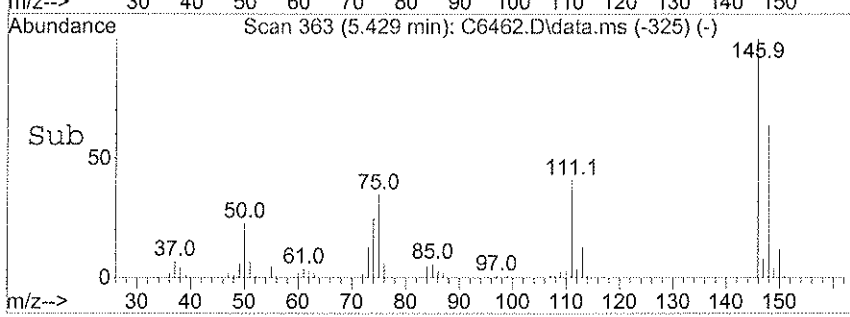
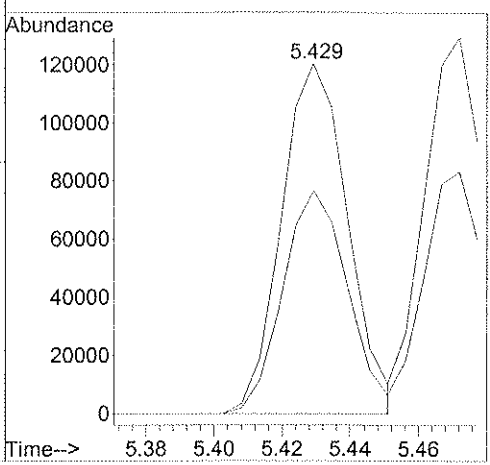
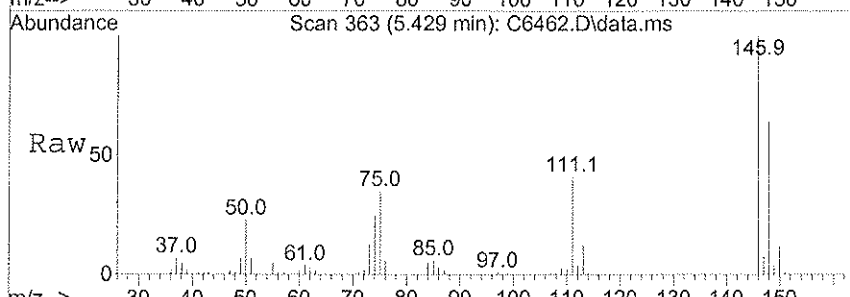
Tgt Ion:	Resp:	Lower	Upper
128	134928		
130	32.4	25.3	37.9





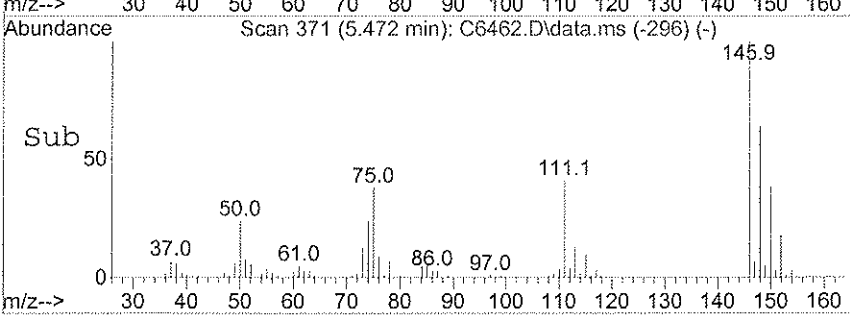
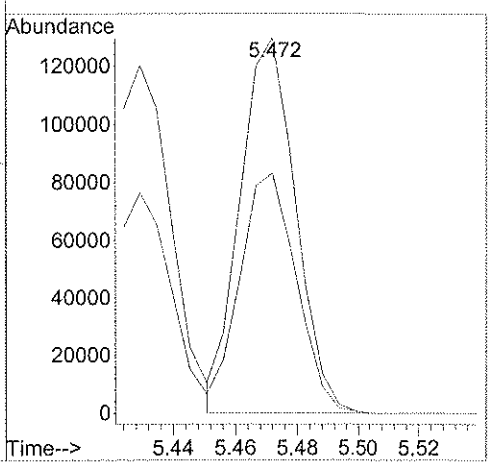
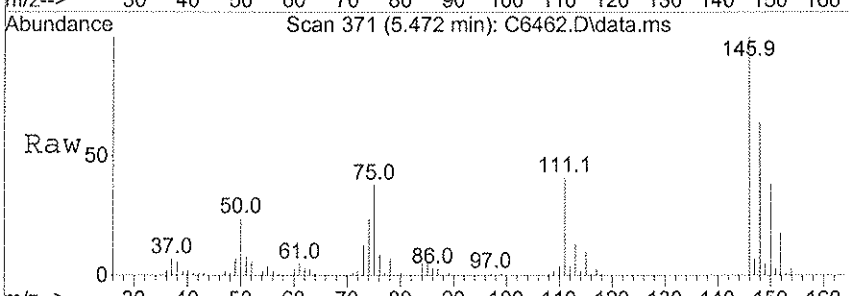
#10  
 1,3-Dichlorobenzene  
 Concen: 16.72 ug/ml  
 RT: 5.429 min Scan# 363  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

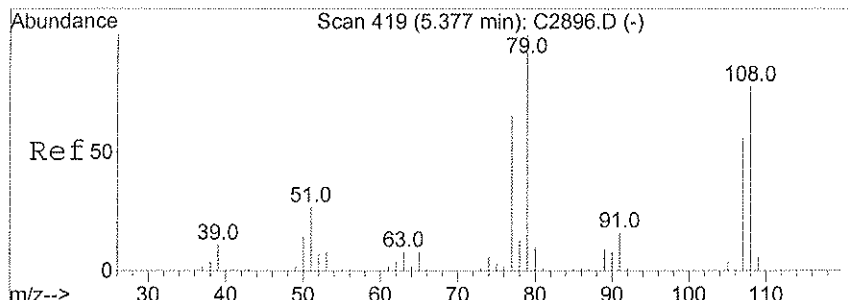
Tgt Ion:146 Resp: 162477  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 49.6 74.4



#11  
 1,4-Dichlorobenzene  
 Concen: 16.58 ug/ml  
 RT: 5.472 min Scan# 371  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

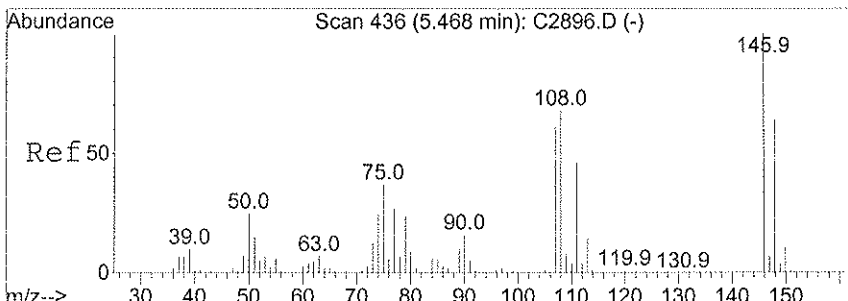
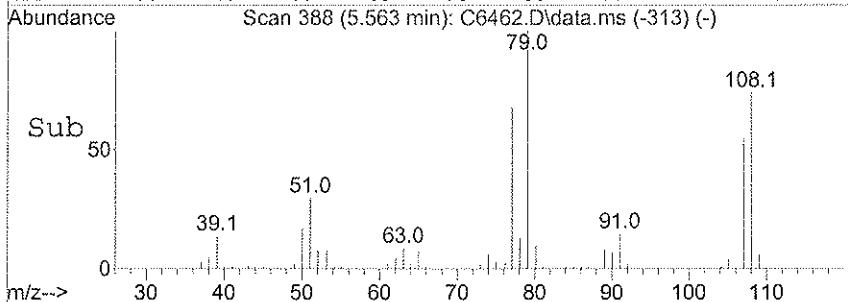
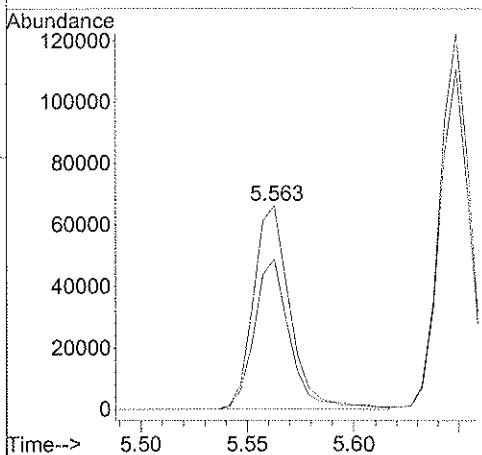
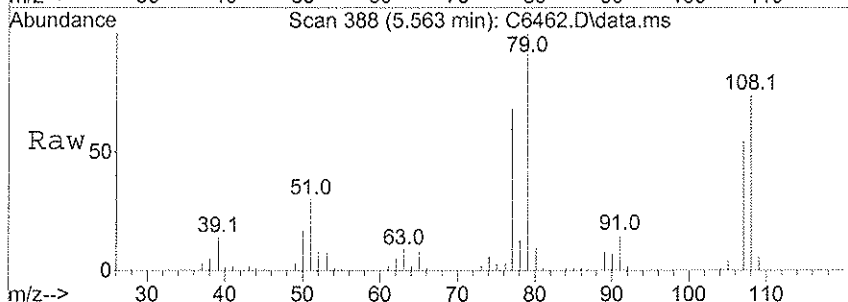
Tgt Ion:146 Resp: 161991  
 Ion Ratio Lower Upper  
 146 100  
 148 64.3 49.9 74.9





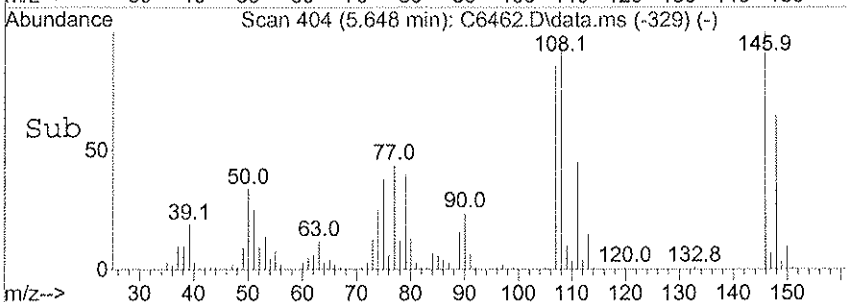
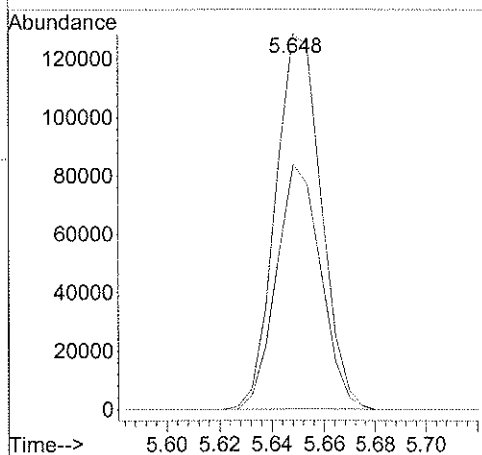
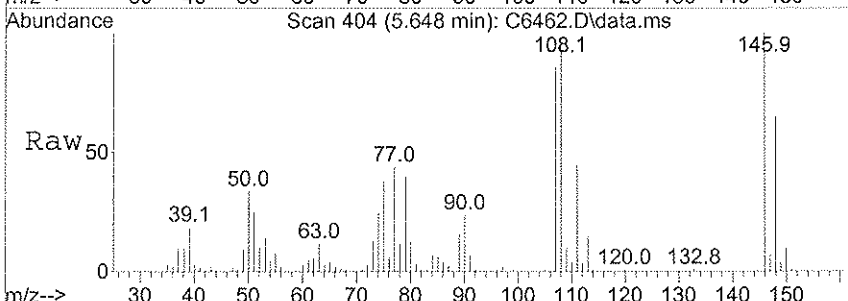
#12  
 Benzyl alcohol  
 Concen: 15.17 ug/ml  
 RT: 5.563 min Scan# 388  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

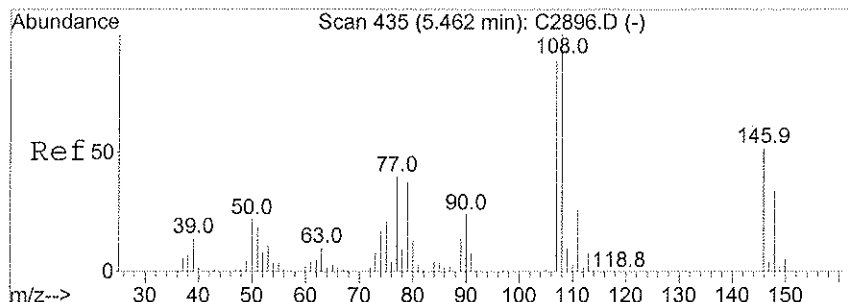
Tgt Ion:	108	Resp:	79268
Ion Ratio	Lower	Upper	
108	100		
107	73.6	57.2	85.8



#13  
 1,2-Dichlorobenzene  
 Concen: 16.76 ug/ml  
 RT: 5.648 min Scan# 404  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

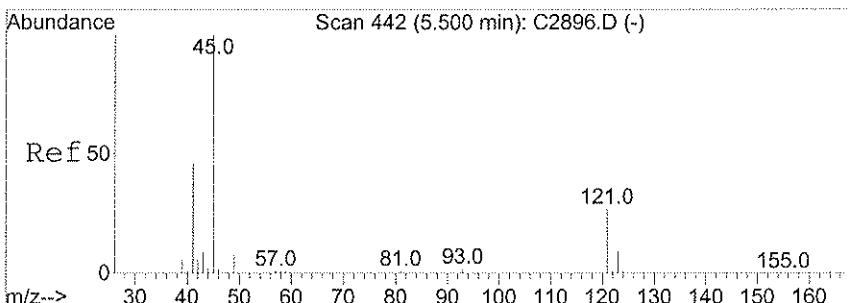
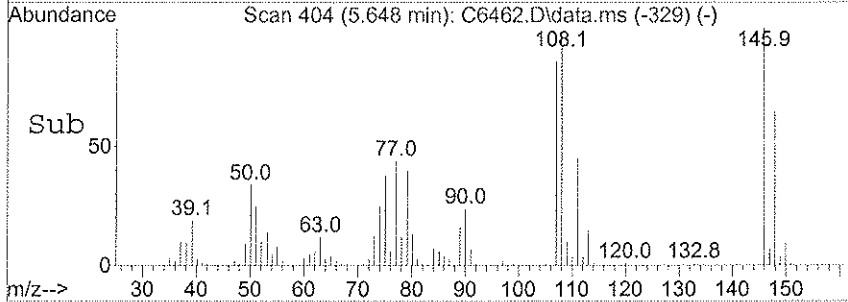
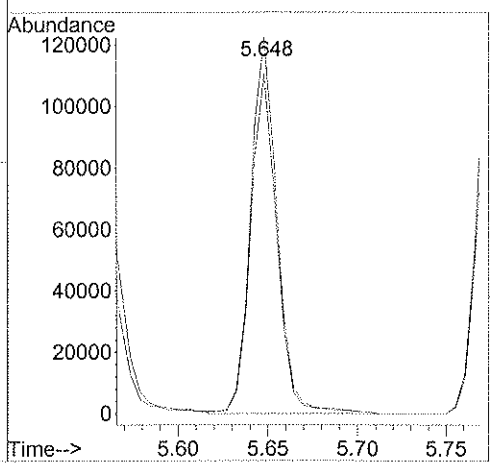
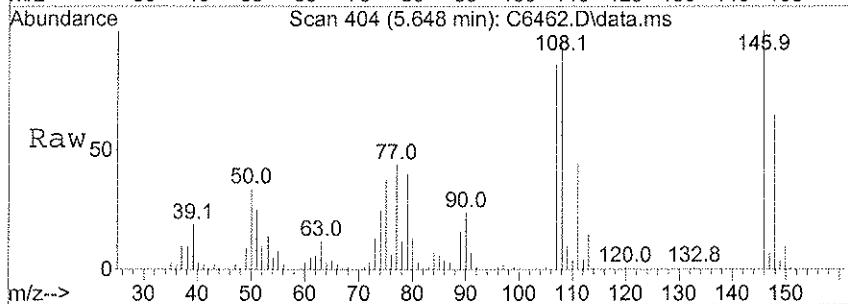
Tgt Ion:	146	Resp:	155992
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.3	76.9





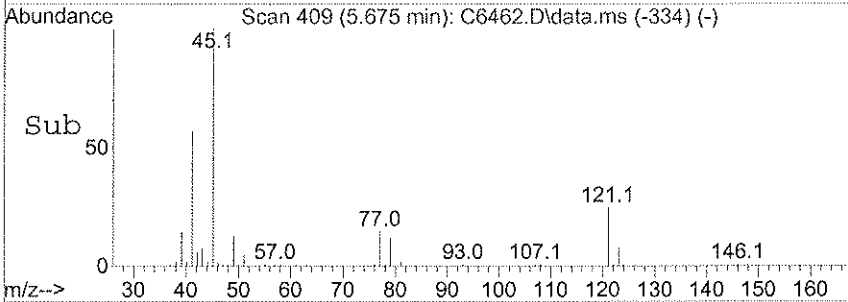
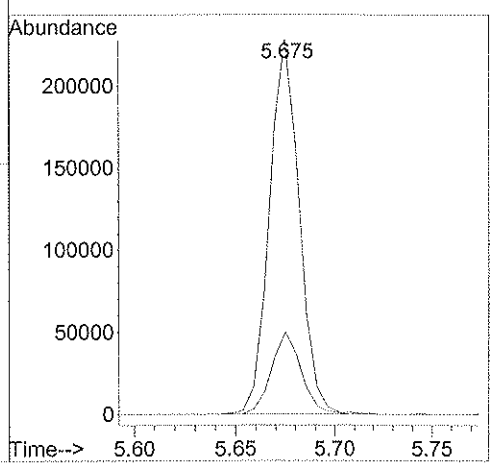
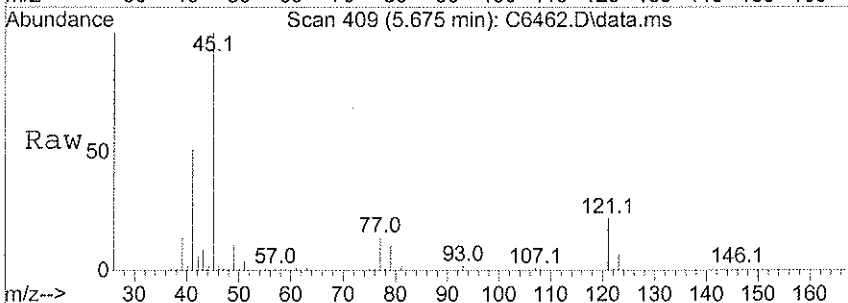
#14  
 2-Methylphenol  
 Concen: 15.68 ug/ml  
 RT: 5.648 min Scan# 404  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

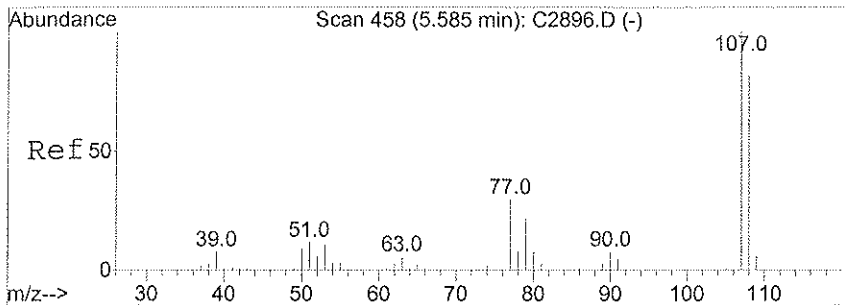
Tgt Ion: 108 Resp: 126609  
 Ion Ratio Lower Upper  
 108 100  
 107 90.4 71.8 107.8



#15  
 bis(2-Chloroisopropyl) ether  
 Concen: 16.75 ug/ml  
 RT: 5.675 min Scan# 409  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

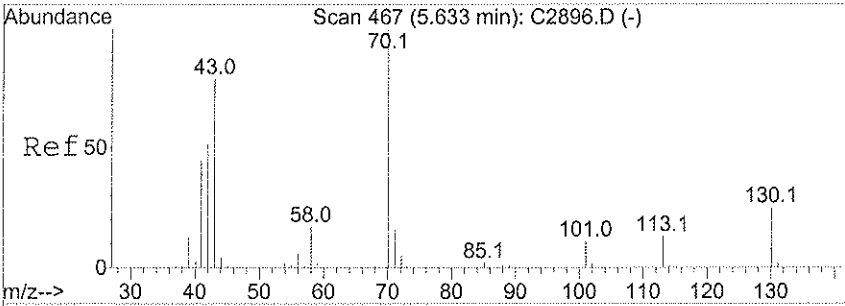
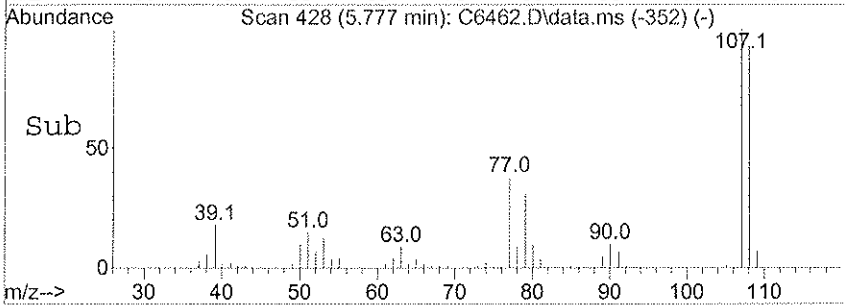
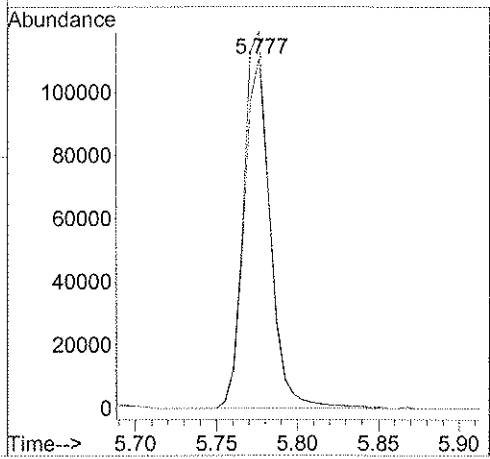
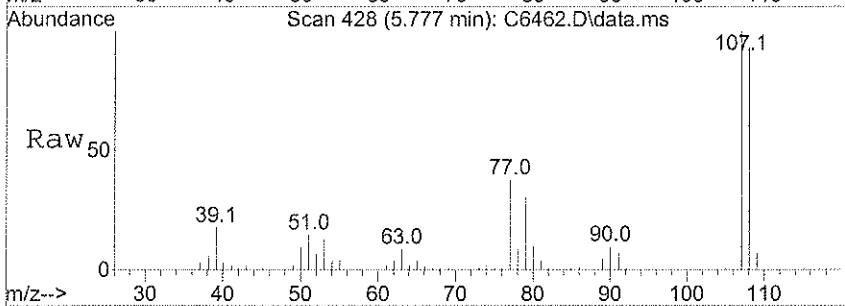
Tgt Ion: 45 Resp: 239438  
 Ion Ratio Lower Upper  
 45 100  
 121 21.8 12.4 29.0





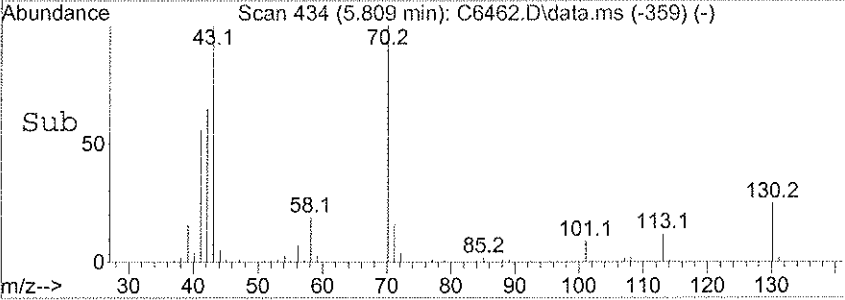
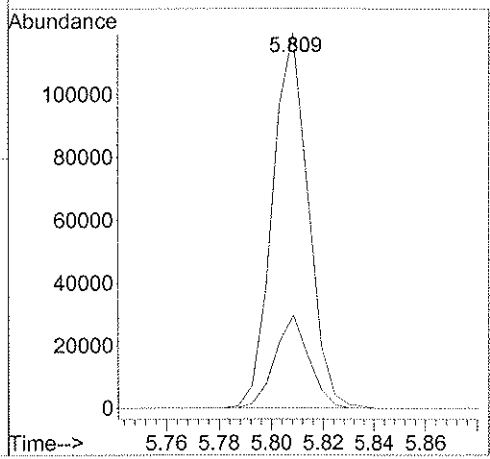
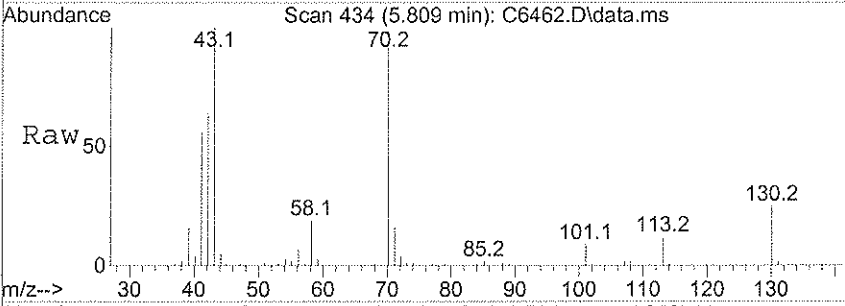
#16  
 4-Methylphenol  
 Concen: 15.31 ug/ml  
 RT: 5.777 min Scan# 428  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

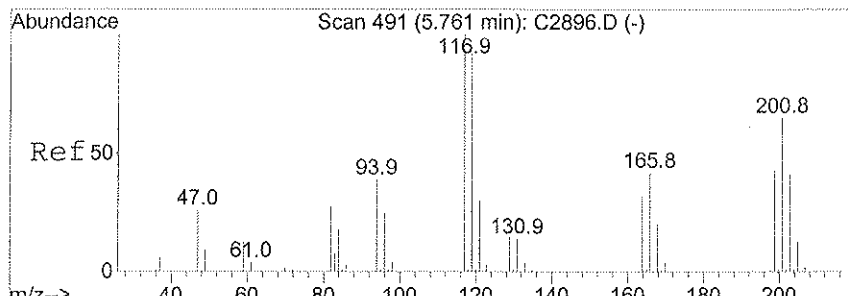
Tgt Ion	Resp	Lower	Upper
108	126028		
107	107.7	101.8	152.6



#17  
 N-Nitrosodi-n-propylamine  
 Concen: 17.20 ug/ml  
 RT: 5.809 min Scan# 434  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

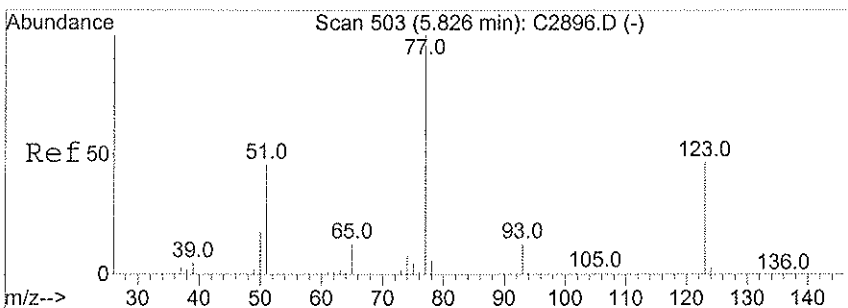
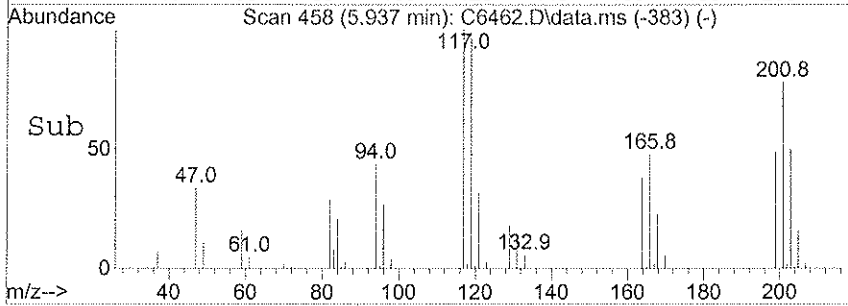
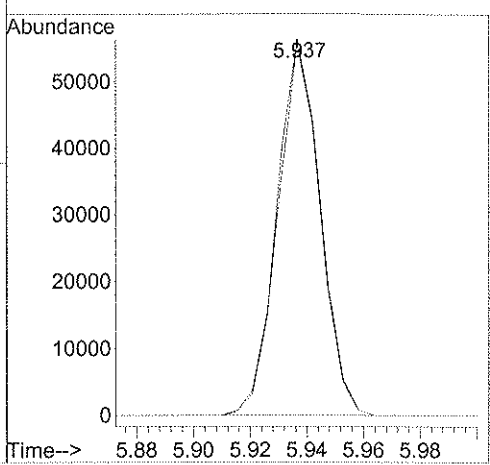
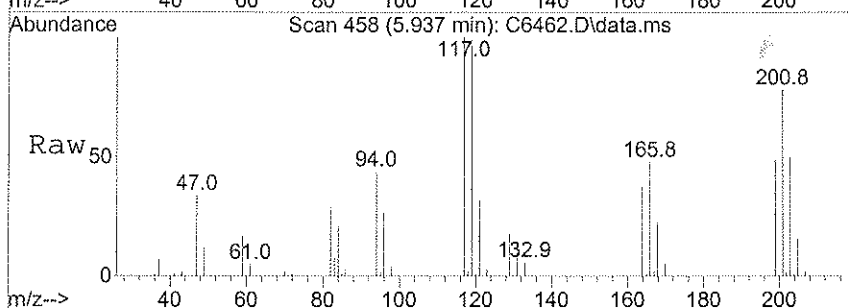
Tgt Ion	Resp	Lower	Upper
70	114960		
130	24.8	19.0	28.4





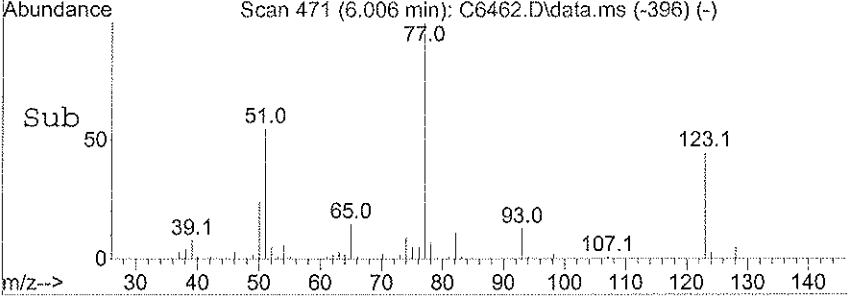
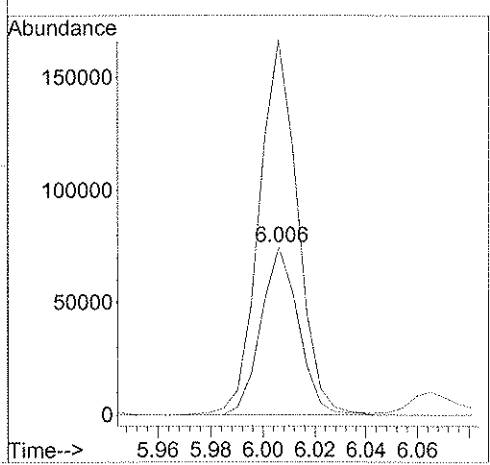
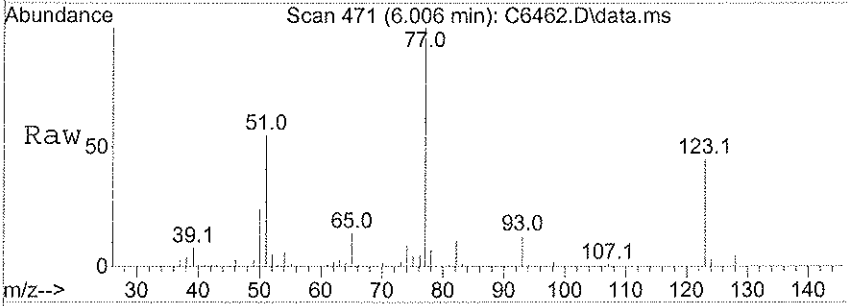
#18  
 Hexachloroethane  
 Concen: 17.08 ug/ml  
 RT: 5.937 min Scan# 458  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:117 Resp: 59778  
 Ion Ratio Lower Upper  
 117 100  
 119 98.6 74.5 111.7

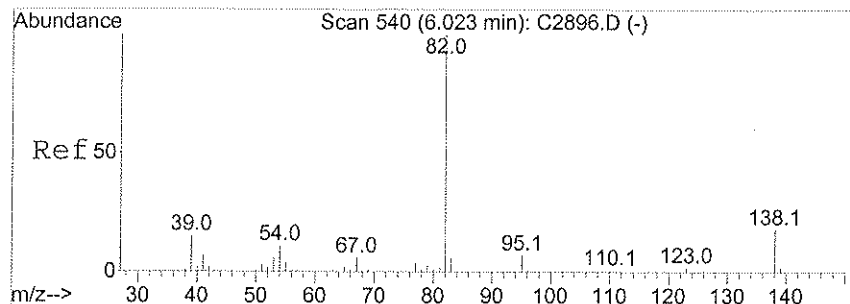


#21  
 Nitrobenzene  
 Concen: 17.14 ug/ml  
 RT: 6.006 min Scan# 471  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:123 Resp: 74266  
 Ion Ratio Lower Upper  
 123 100  
 77 222.9 187.1 280.7

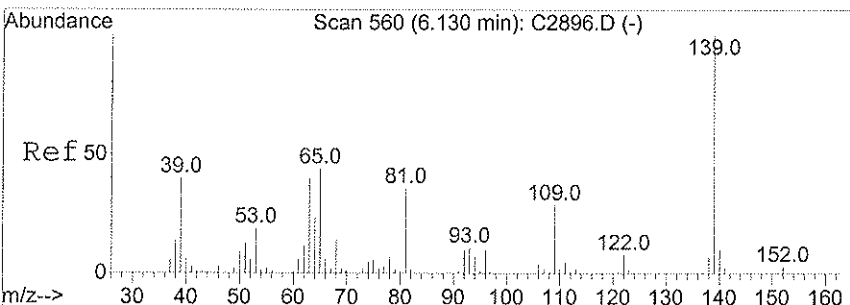
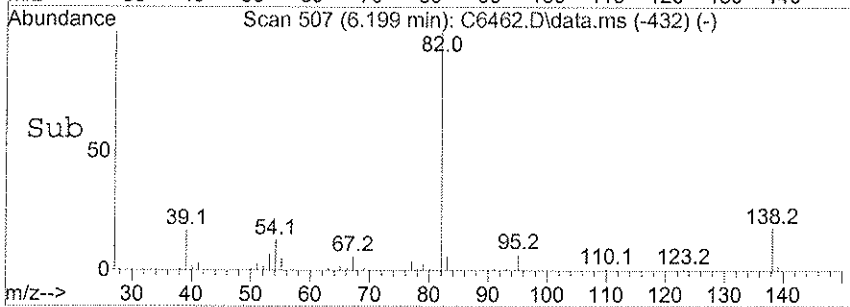
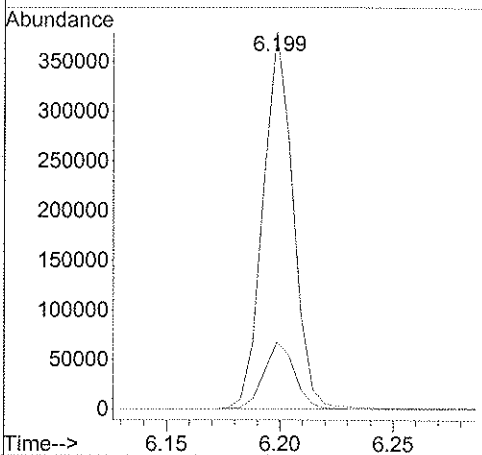
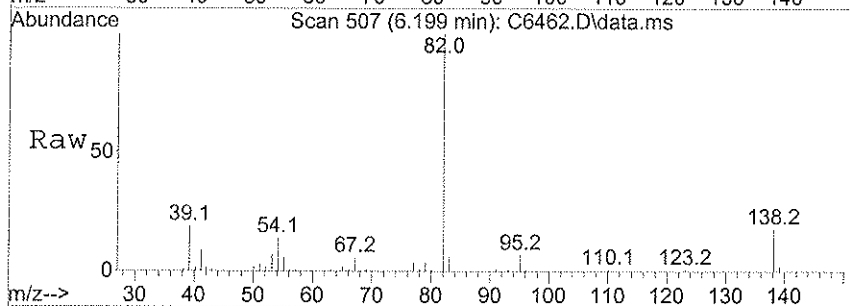






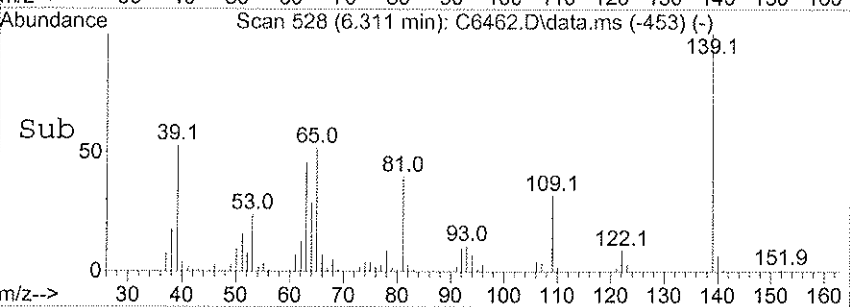
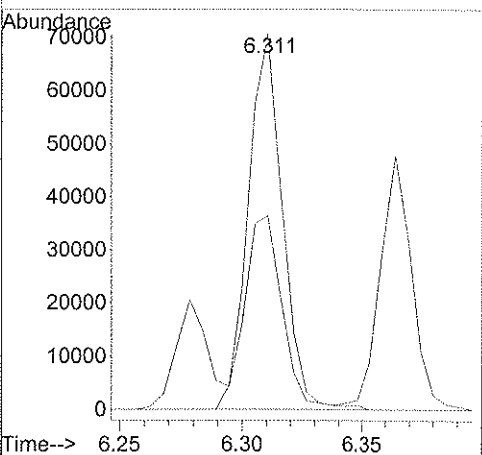
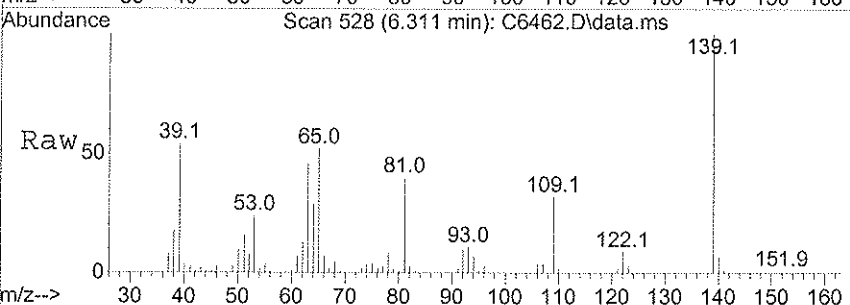
#22  
 Isophorone  
 Concen: 23.24 ug/ml  
 RT: 6.199 min Scan# 507  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

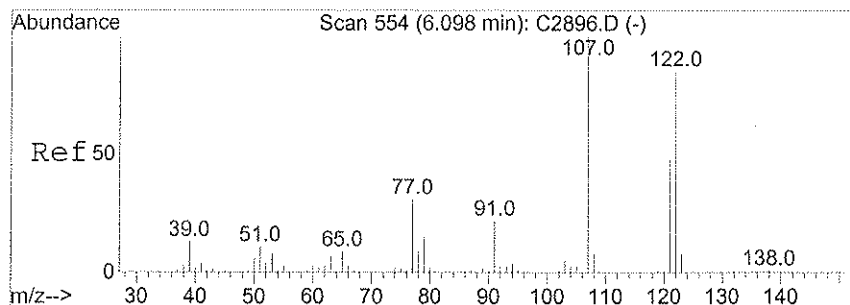
Tgt Ion: 82 Resp: 350645  
 Ion Ratio Lower Upper  
 82 100  
 138 17.7 14.0 21.0



#23  
 2-Nitrophenol  
 Concen: 16.78 ug/ml  
 RT: 6.311 min Scan# 528  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

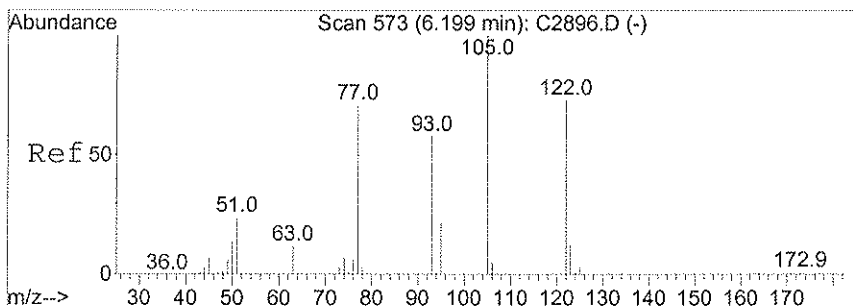
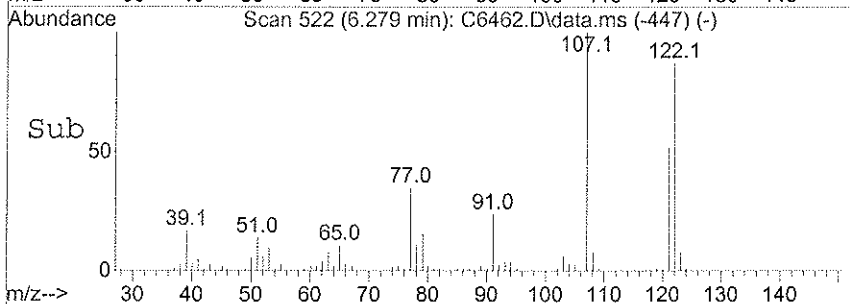
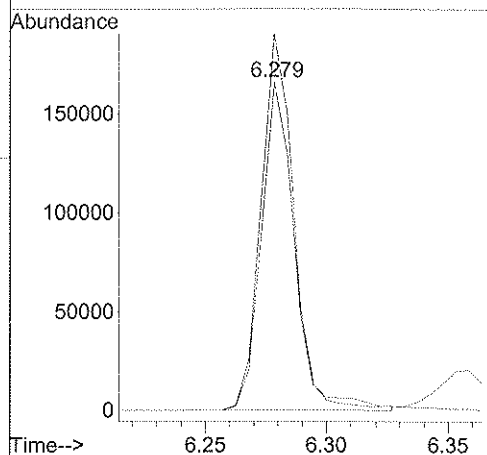
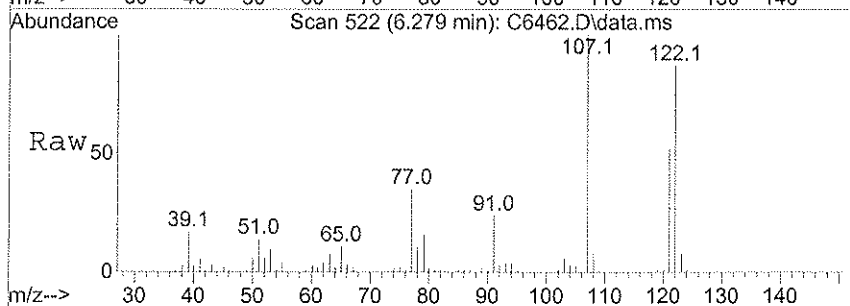
Tgt Ion: 139 Resp: 69556  
 Ion Ratio Lower Upper  
 139 100  
 65 51.7 44.7 67.1





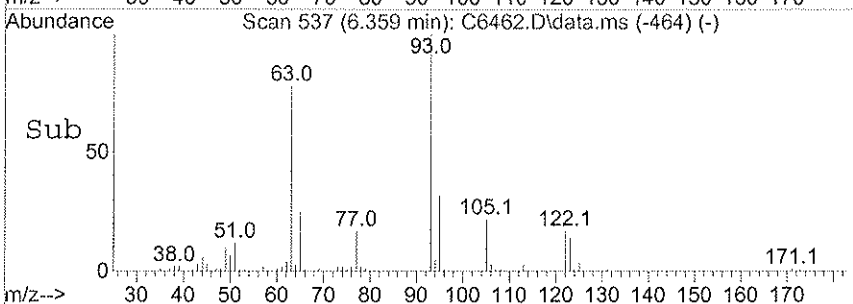
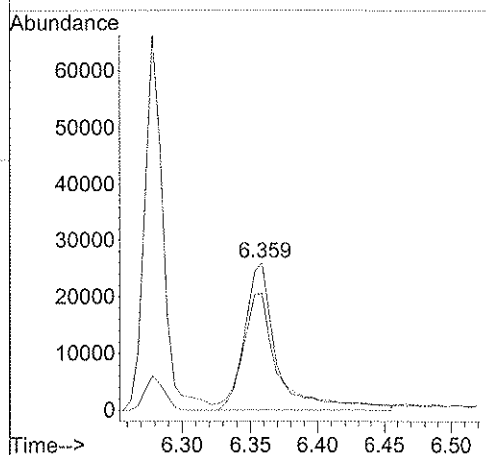
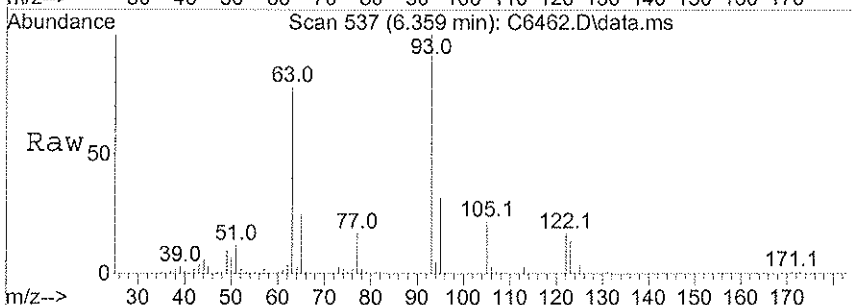
#24  
 2,4-Dimethylphenol  
 Concen: 18.77 ug/ml  
 RT: 6.279 min Scan# 522  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

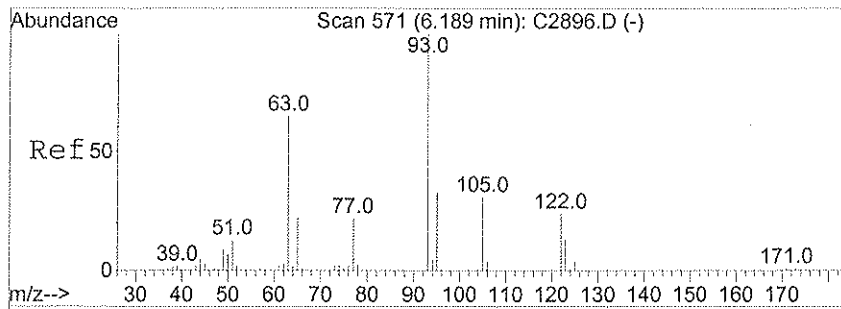
Tgt Ion	Resp	Lower	Upper
122	159984		
107	114.9	96.6	145.0



#25  
 Benzoic acid  
 Concen: 48.11 ug/ml  
 RT: 6.359 min Scan# 537  
 Delta R.T. -0.010 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

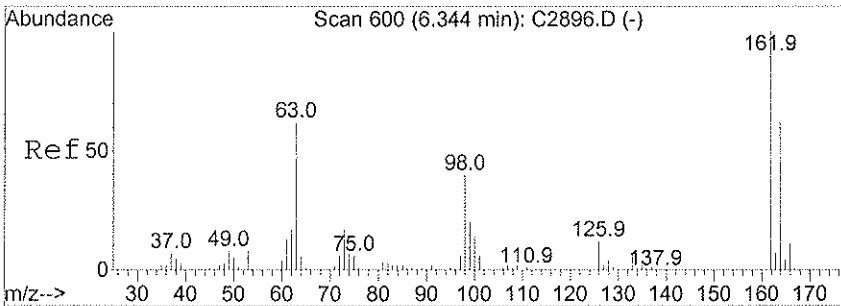
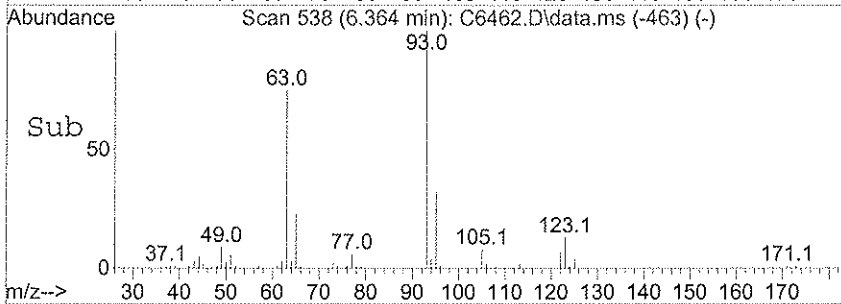
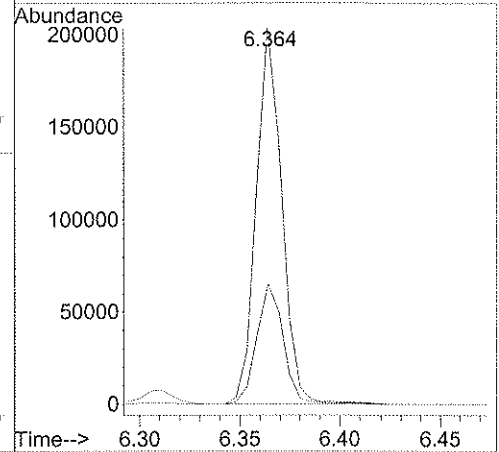
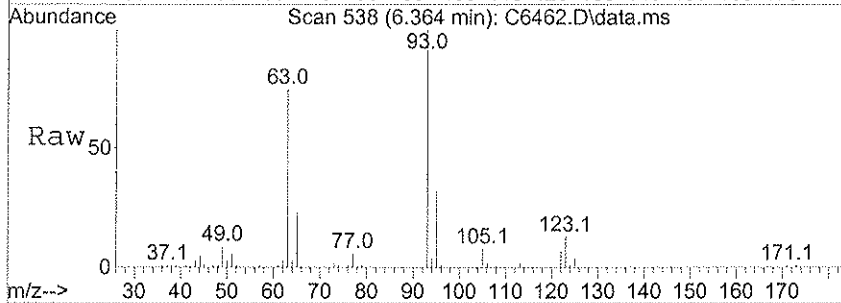
Tgt Ion	Resp	Lower	Upper
105	43264		
77	78.6	67.0	100.6





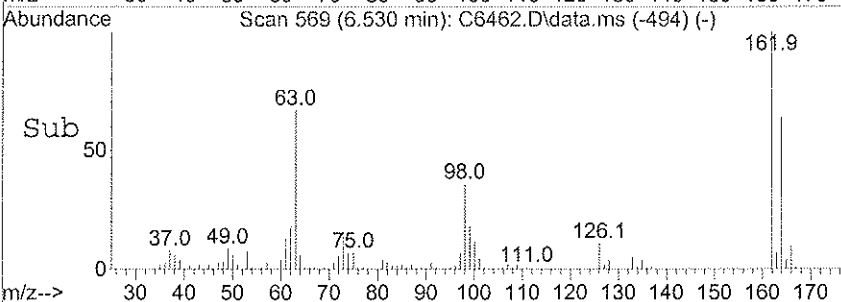
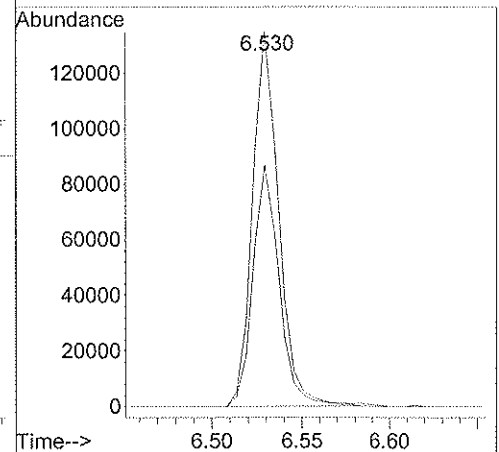
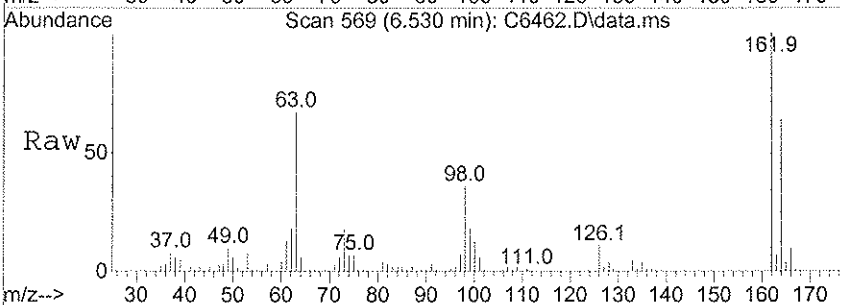
#26  
 bis(2-Chloroethoxy)methane  
 Concen: 16.82 ug/ml  
 RT: 6.364 min Scan# 538  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

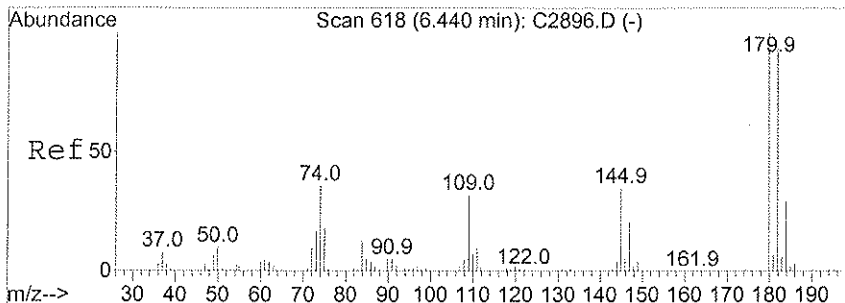
Tgt Ion: 93 Resp: 180763  
 Ion Ratio Lower Upper  
 93 100  
 95 31.9 26.3 39.5



#27  
 2,4-Dichlorophenol  
 Concen: 19.86 ug/ml  
 RT: 6.530 min Scan# 569  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

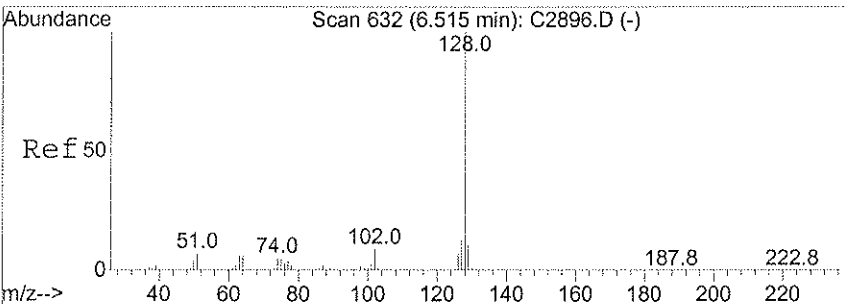
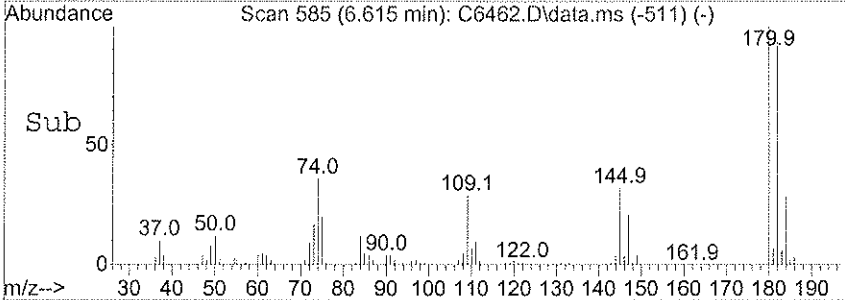
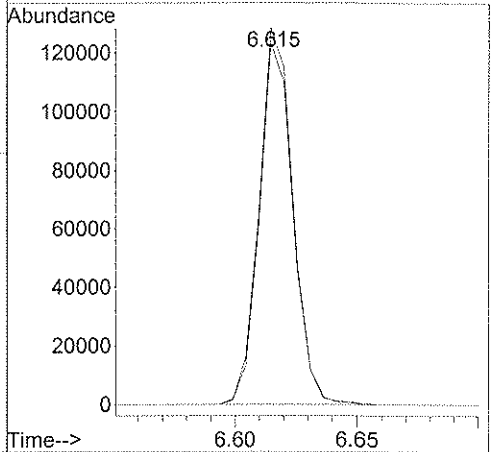
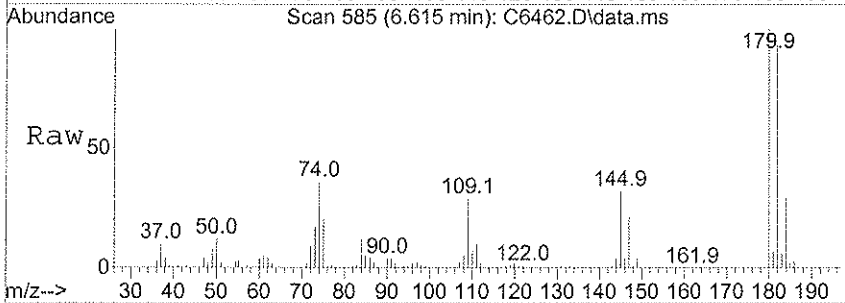
Tgt Ion: 162 Resp: 136562  
 Ion Ratio Lower Upper  
 162 100  
 164 64.3 52.6 78.8





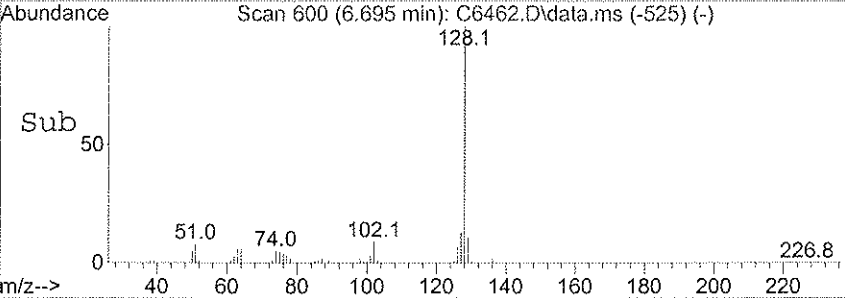
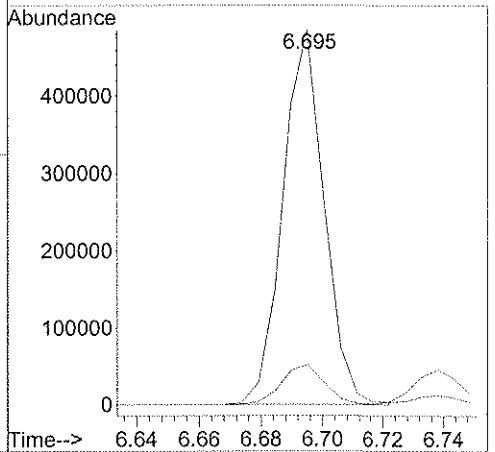
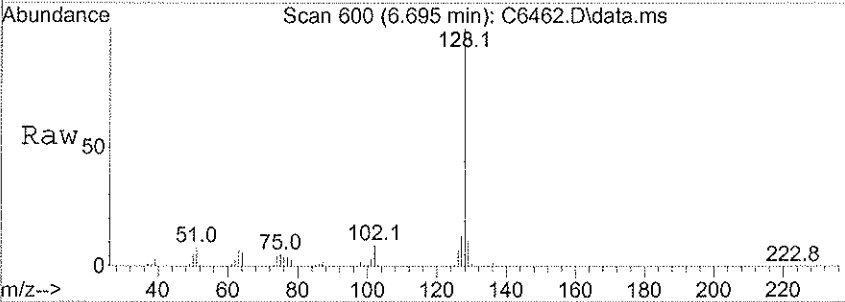
#28  
 1,2,4-Trichlorobenzene  
 Concen: 16.42 ug/ml  
 RT: 6.615 min Scan# 585  
 Delta R.T. -0.005 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

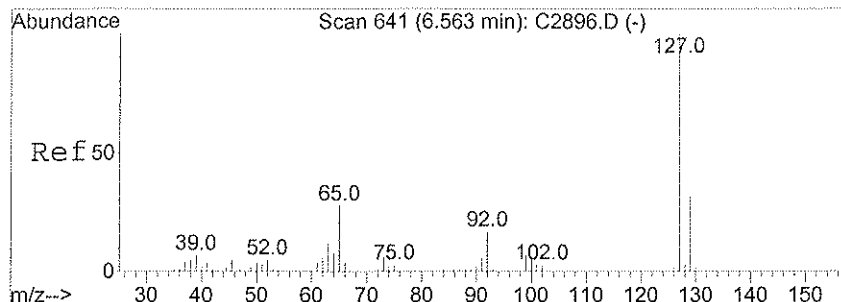
Tgt Ion: 180 Resp: 124476  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 78.3 117.5



#29  
 Naphthalene  
 Concen: 17.70 ug/ml  
 RT: 6.695 min Scan# 600  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

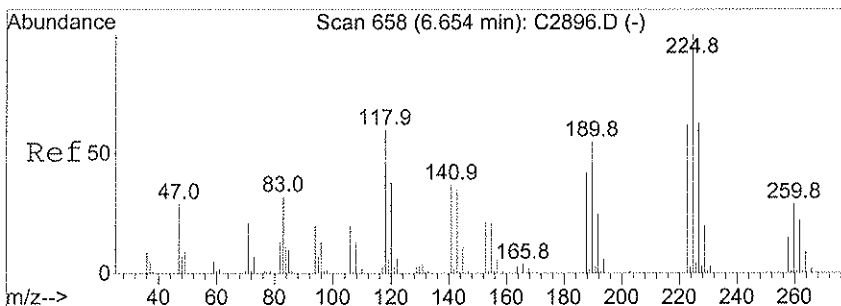
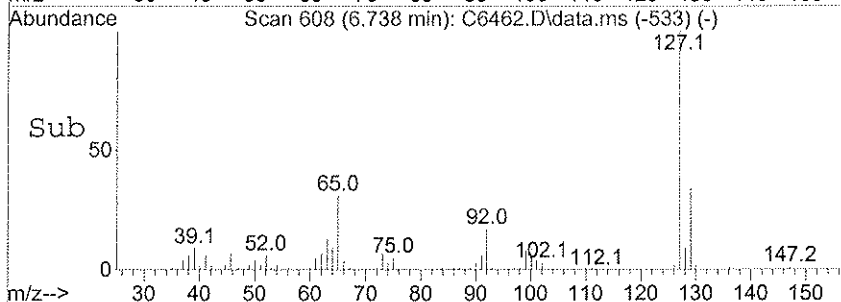
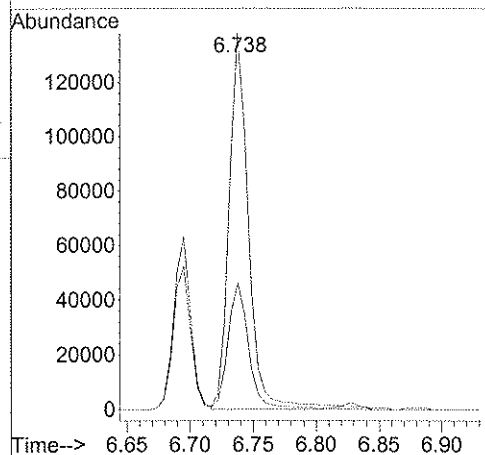
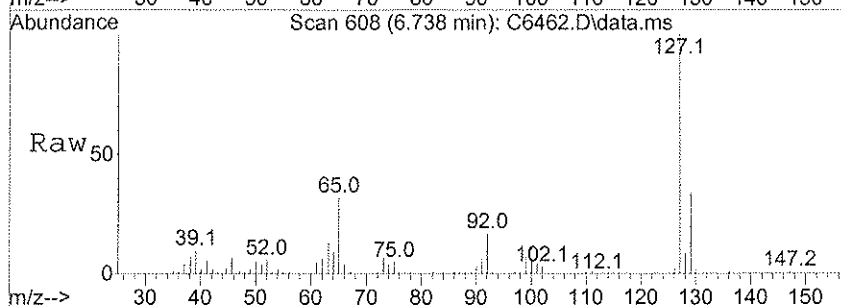
Tgt Ion: 128 Resp: 454334  
 Ion Ratio Lower Upper  
 128 100  
 129 10.7 8.6 13.0





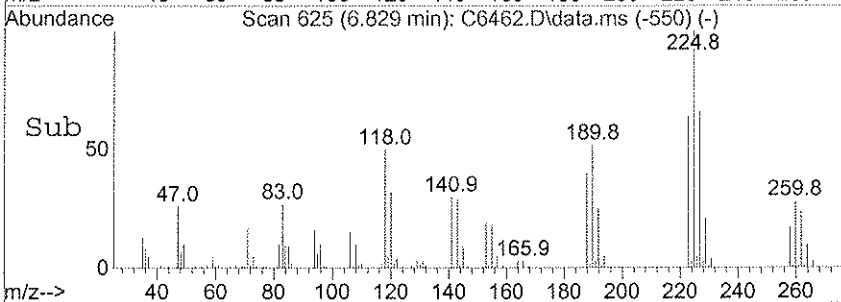
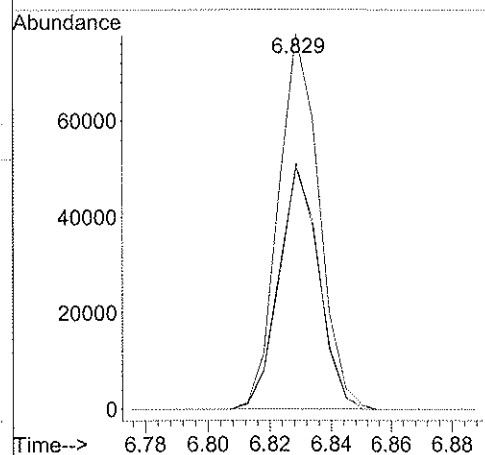
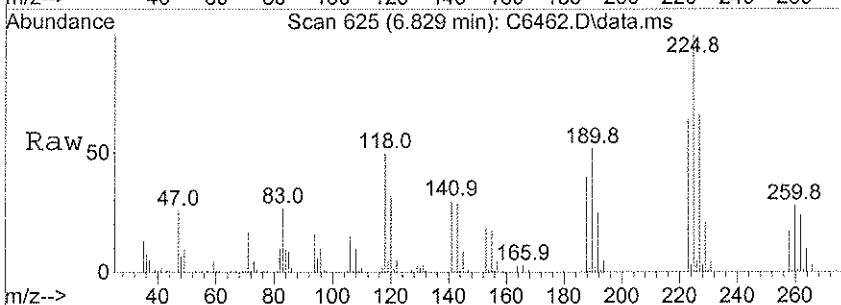
#30  
 4-Chloroaniline  
 Concen: 15.64 ug/ml  
 RT: 6.738 min Scan# 608  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

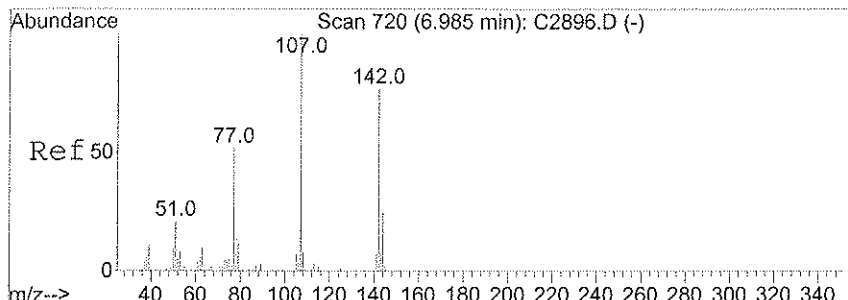
Tgt Ion: 127 Resp: 149170  
 Ion Ratio Lower Upper  
 127 100  
 129 33.5 27.1 40.7



#31  
 Hexachlorobutadiene  
 Concen: 16.15 ug/ml  
 RT: 6.829 min Scan# 625  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

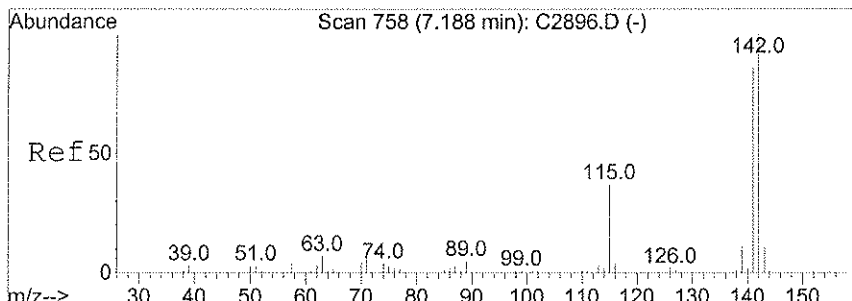
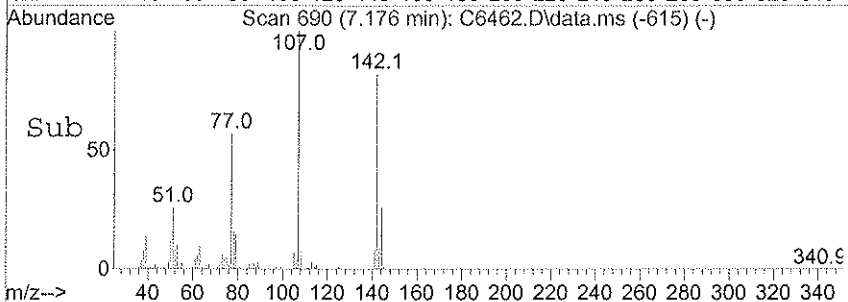
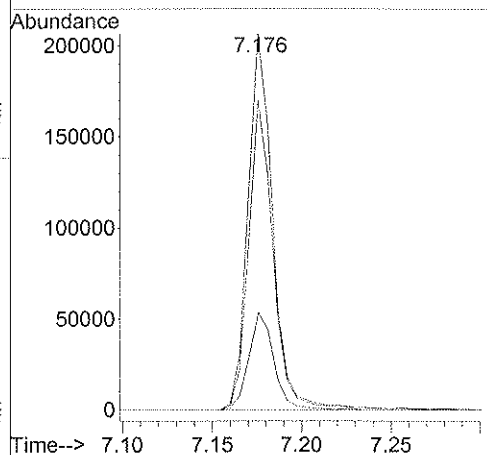
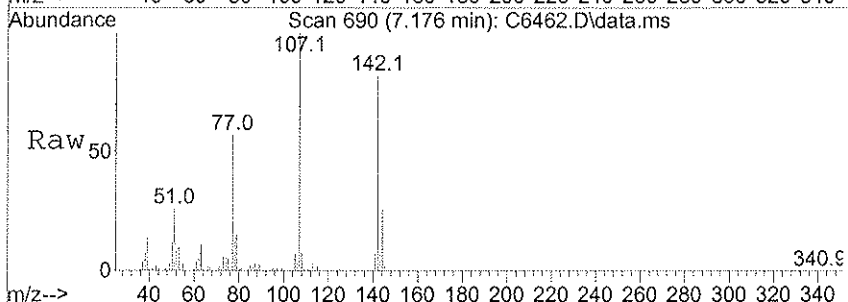
Tgt Ion: 225 Resp: 71636  
 Ion Ratio Lower Upper  
 225 100  
 223 64.5 51.2 76.8  
 227 65.8 50.6 76.0





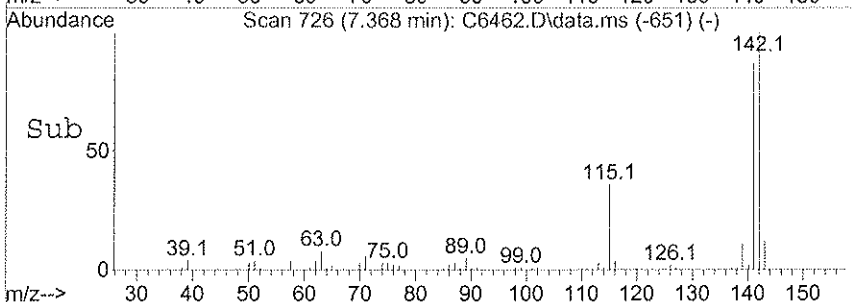
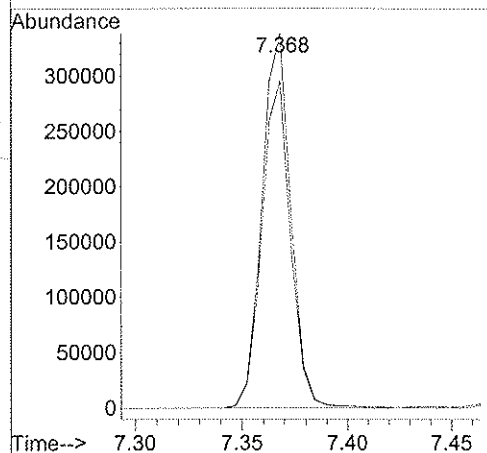
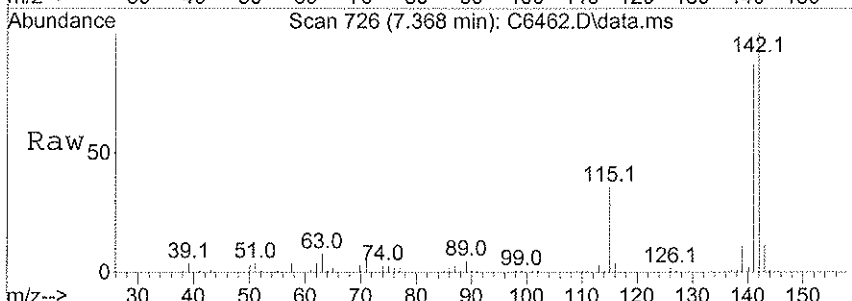
#32  
 4-Chloro-3-methylphenol  
 Concen: 25.98 ug/ml  
 RT: 7.176 min Scan# 690  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

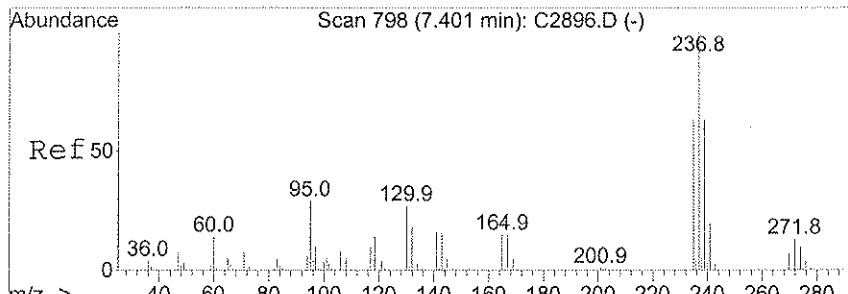
Tgt Ion	Resp	Lower	Upper
107	199968		
142	82.2	65.0	97.4
144	26.0	20.4	30.6



#33  
 2-Methylnaphthalene  
 Concen: 18.20 ug/ml  
 RT: 7.368 min Scan# 726  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

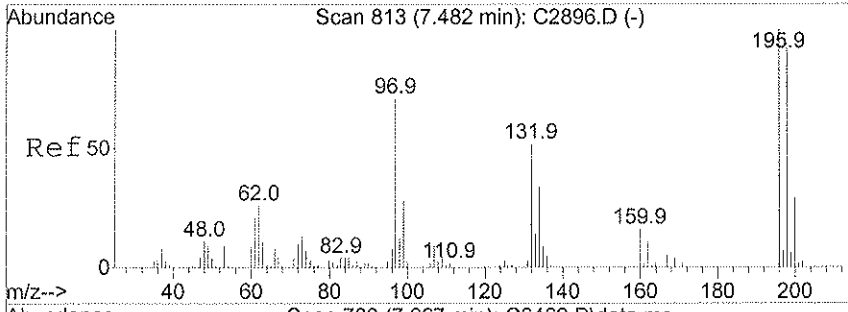
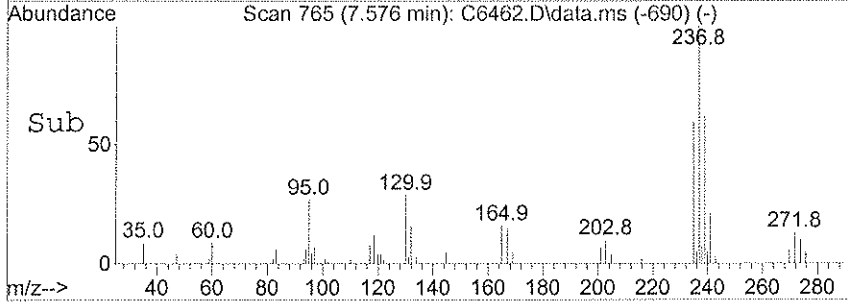
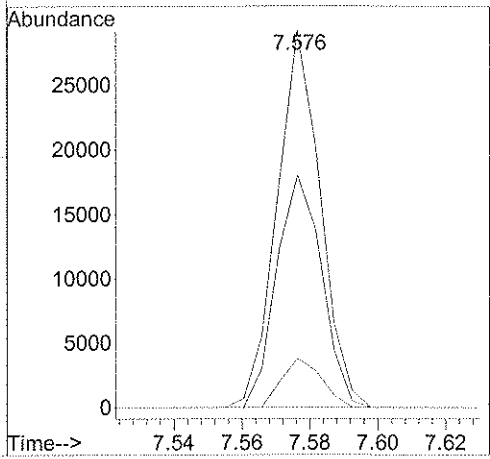
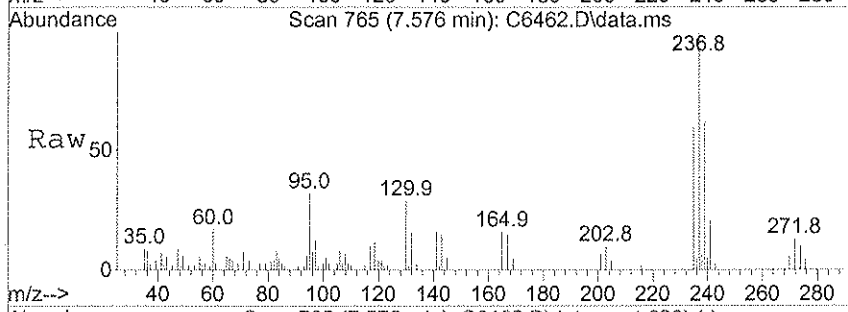
Tgt Ion	Resp	Lower	Upper
142	321380		
141	87.4	69.7	104.5





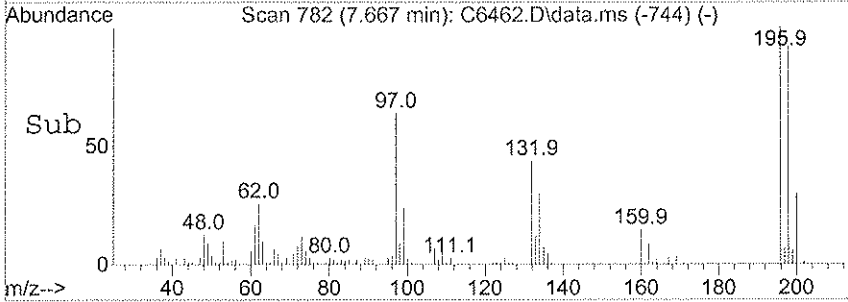
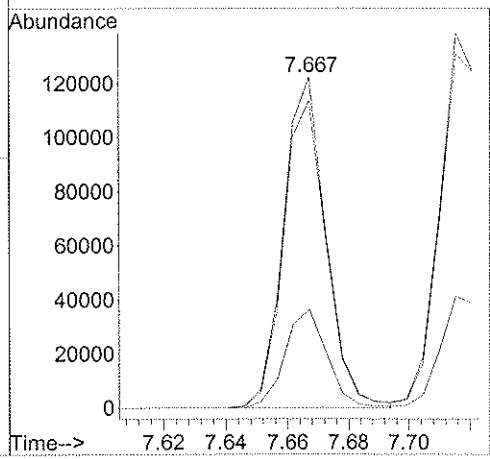
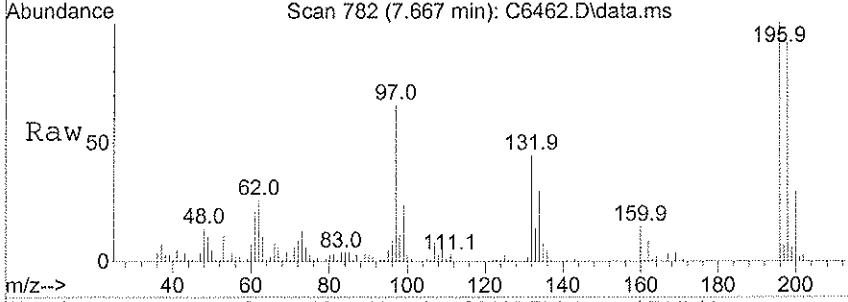
#35  
 Hexachlorocyclopentadiene  
 Concen: 23.57 ug/ml  
 RT: 7.576 min Scan# 765  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

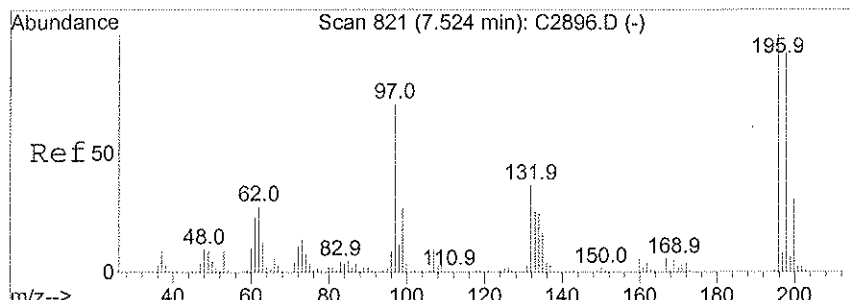
Tgt Ion	Resp	Lower	Upper
237	26017		
239	61.7	50.9	76.3
272	13.0	9.7	14.5



#36  
 2,4,6-Trichlorophenol  
 Concen: 27.06 ug/ml  
 RT: 7.667 min Scan# 782  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

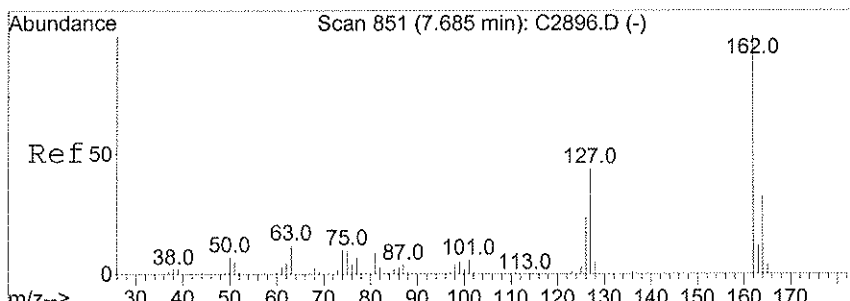
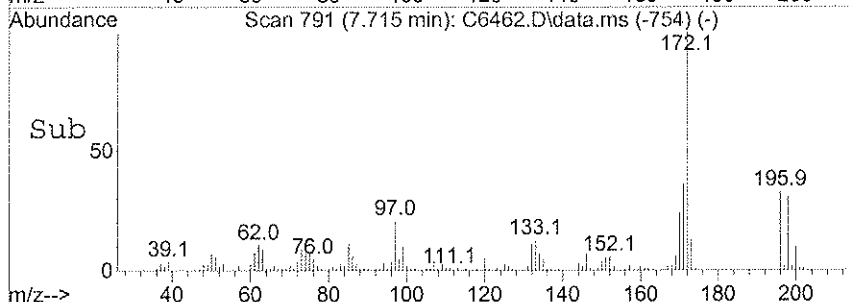
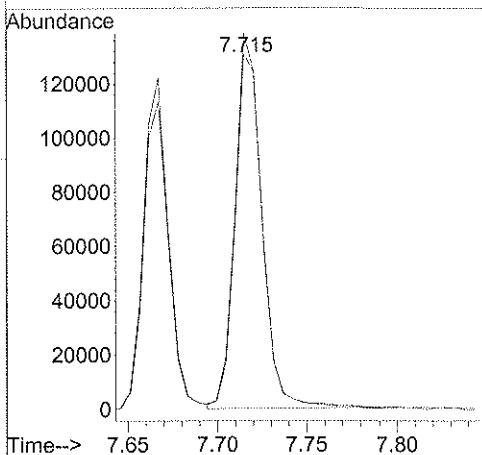
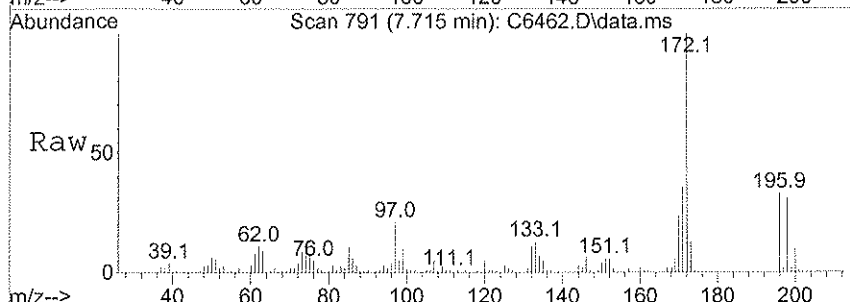
Tgt Ion	Resp	Lower	Upper
196	117894		
198	92.9	78.6	118.0
200	29.8	24.3	36.5





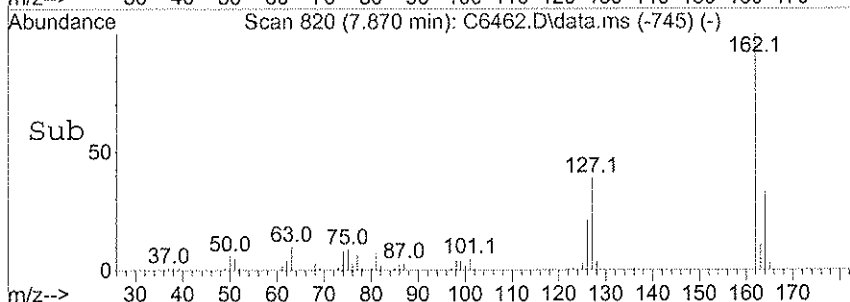
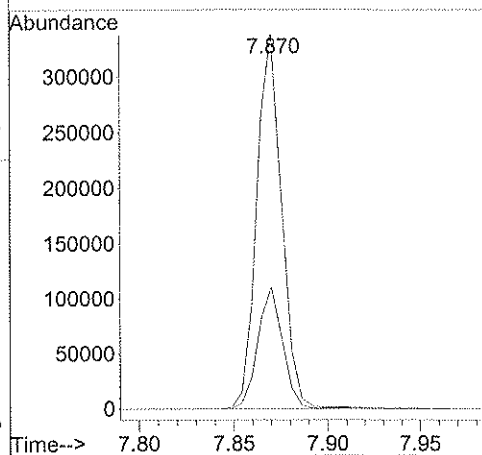
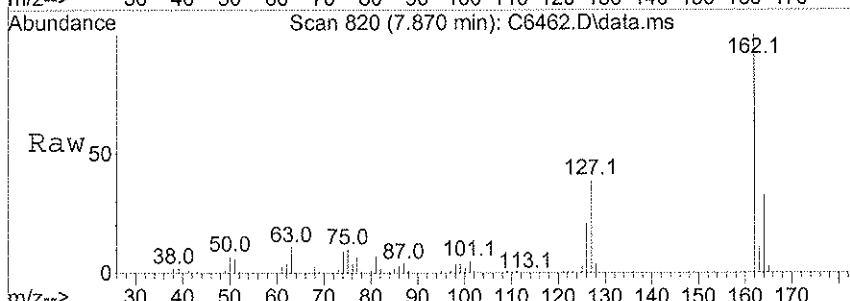
#37  
 2,4,5-Trichlorophenol  
 Concen: 32.00 ug/ml  
 RT: 7.715 min Scan# 791  
 Delta R.T. -0.005 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:196 Resp: 144869  
 Ion Ratio Lower Upper  
 196 100  
 198 94.5 79.1 118.7

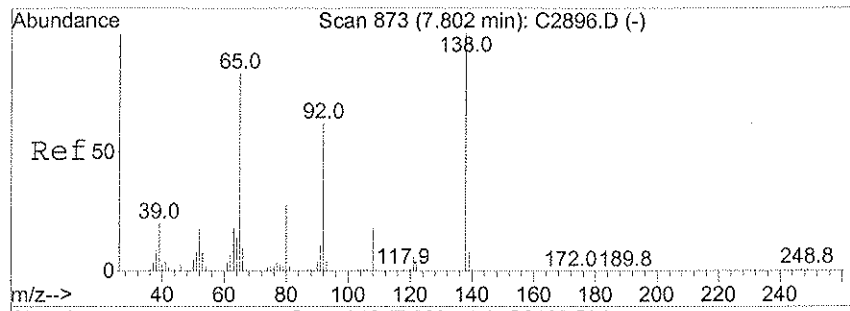


#39  
 2-Chloronaphthalene  
 Concen: 20.01 ug/ml  
 RT: 7.870 min Scan# 820  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:162 Resp: 315313  
 Ion Ratio Lower Upper  
 162 100  
 164 32.8 25.4 38.2

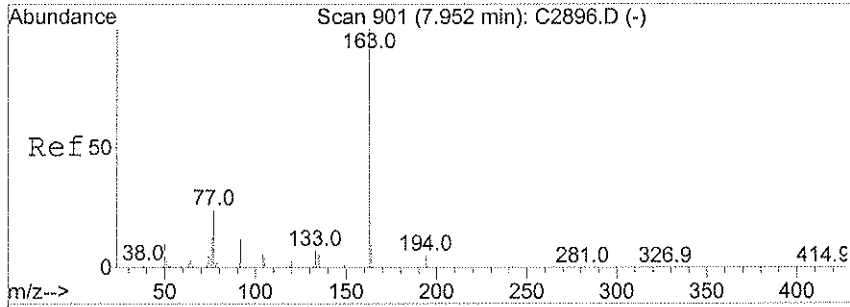
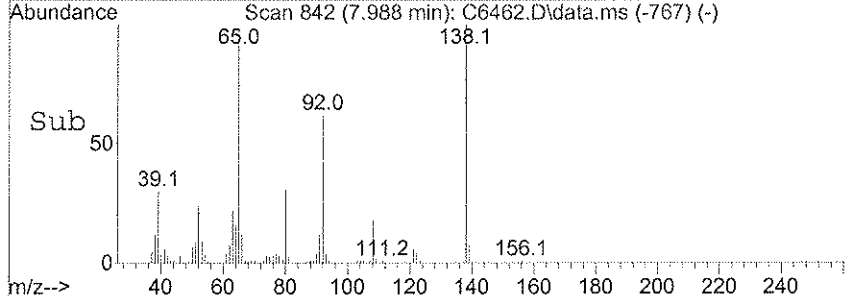
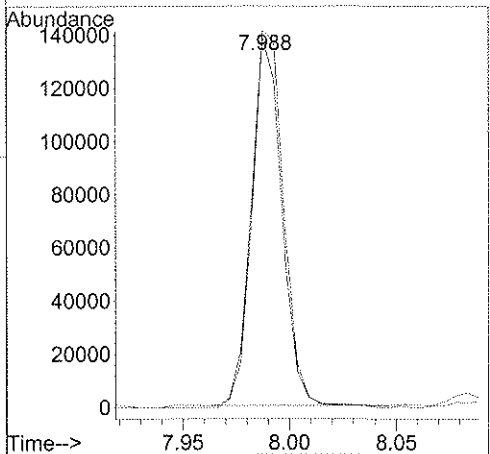
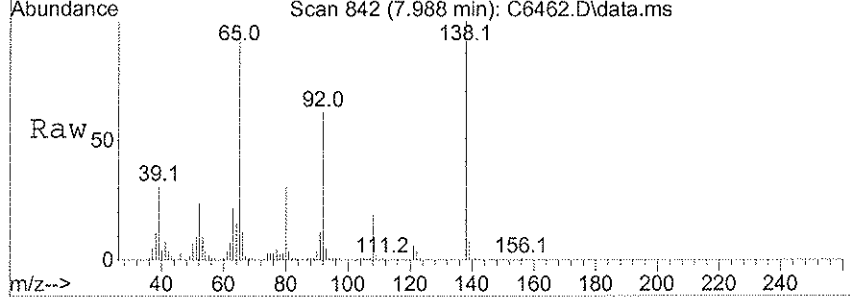






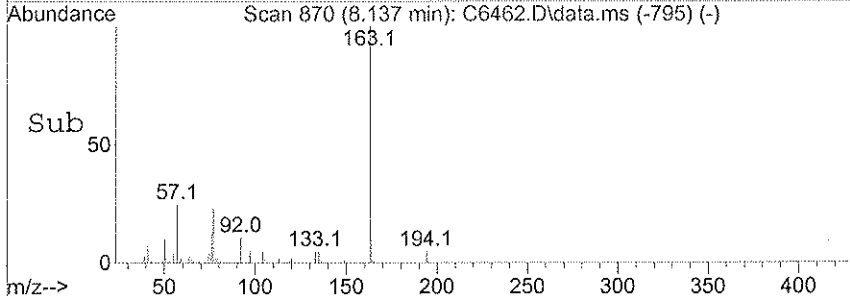
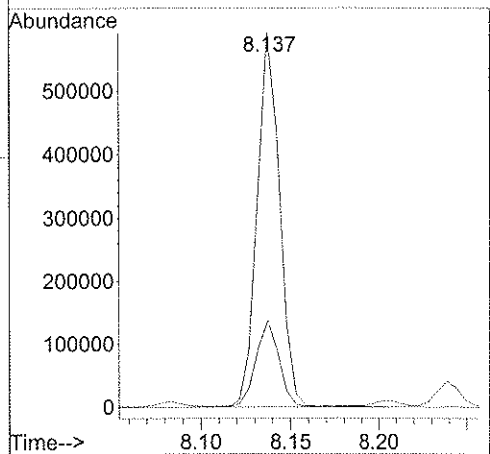
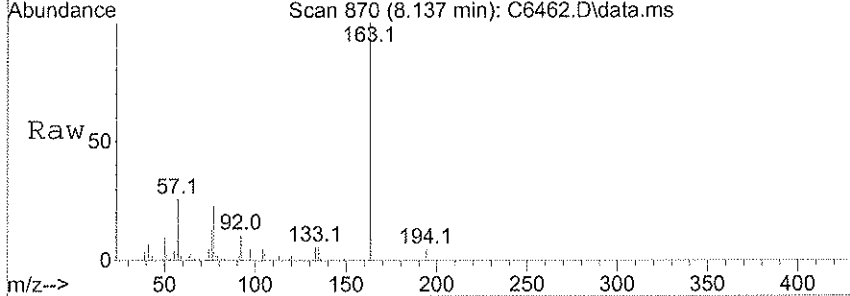
#40  
 2-Nitroaniline  
 Concen: 29.34 ug/ml  
 RT: 7.988 min Scan# 842  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

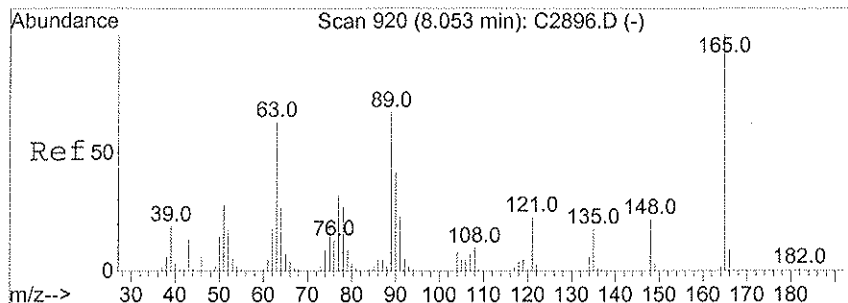
Tgt Ion: 65 Resp: 137823  
 Ion Ratio Lower Upper  
 65 100  
 138 101.6 80.8 121.2



#41  
 Dimethylphthalate  
 Concen: 29.09 ug/ml  
 RT: 8.137 min Scan# 870  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

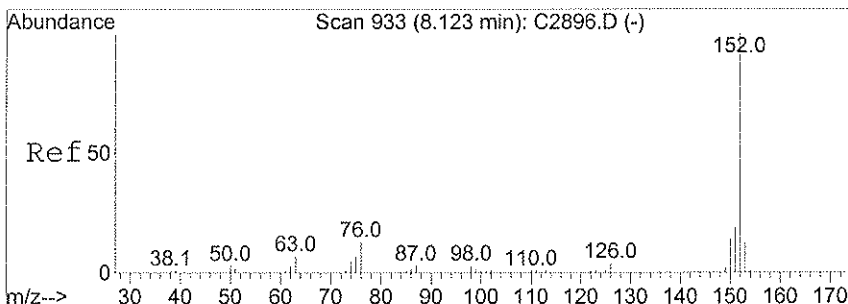
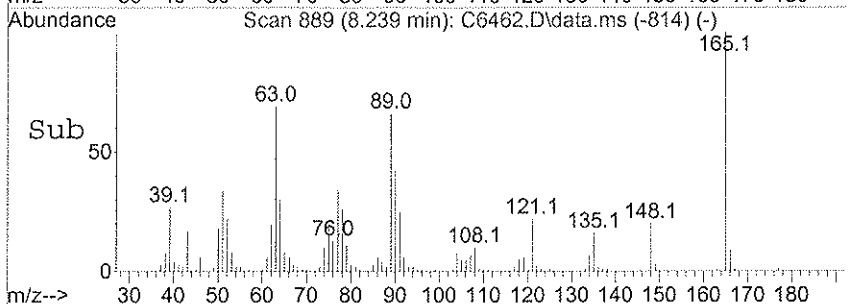
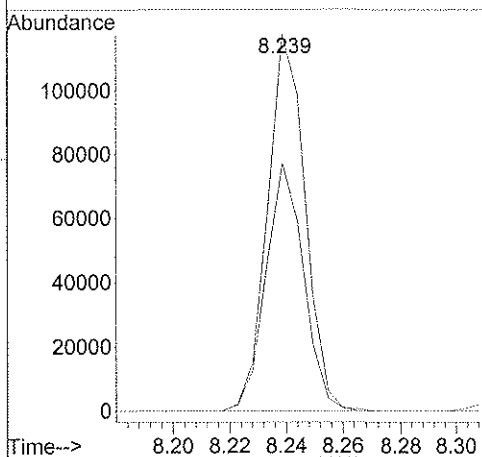
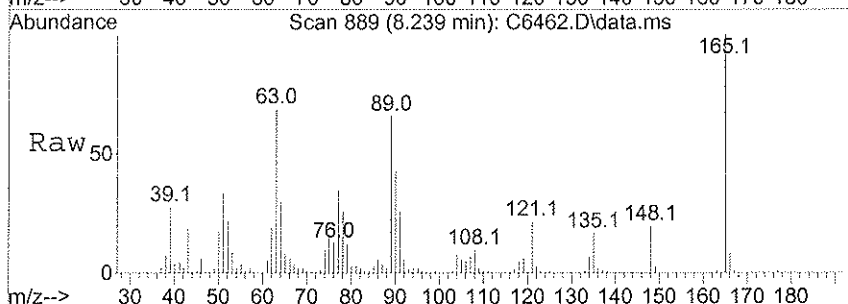
Tgt Ion: 163 Resp: 524221  
 Ion Ratio Lower Upper  
 163 100  
 77 23.2 18.8 28.2





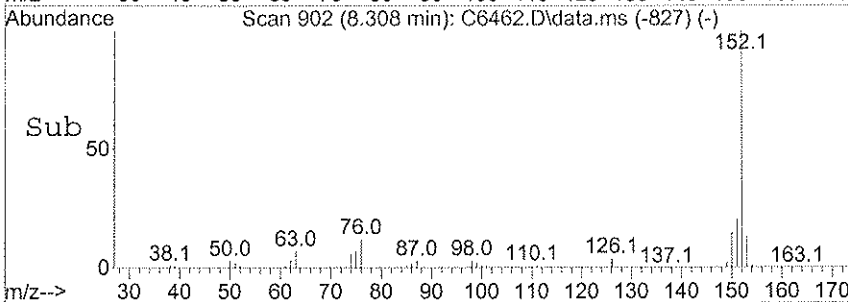
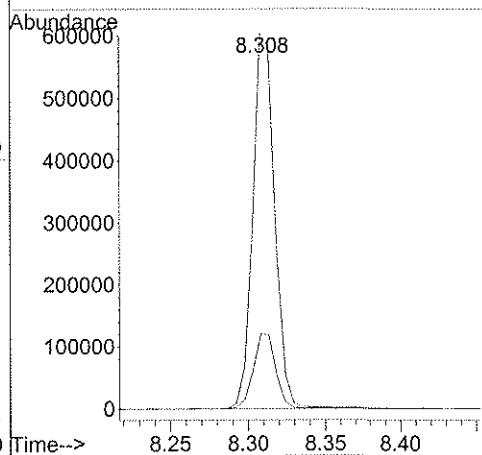
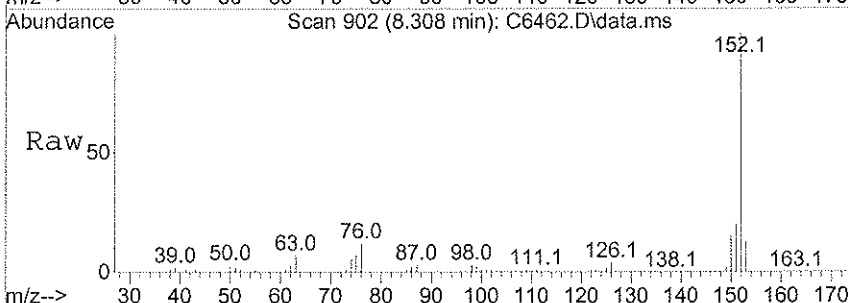
#42  
 2,6-Dinitrotoluene  
 Concen: 30.70 ug/ml  
 RT: 8.239 min Scan# 889  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

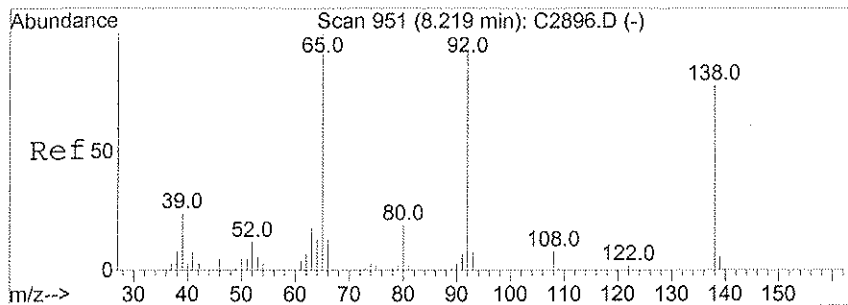
Tgt Ion	Resp	Lower	Upper
165	108739		
89	65.7	55.6	83.4



#43  
 Acenaphthylene  
 Concen: 23.60 ug/ml  
 RT: 8.308 min Scan# 902  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

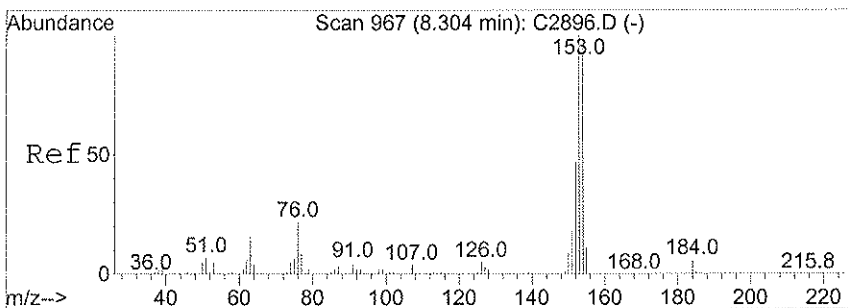
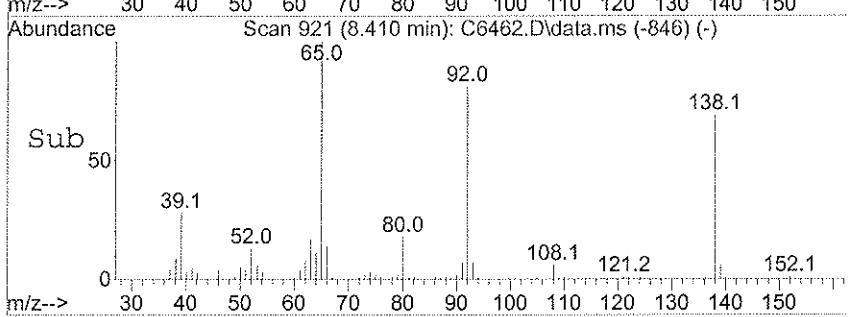
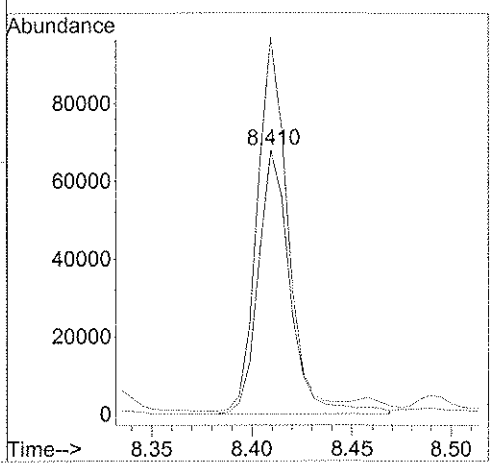
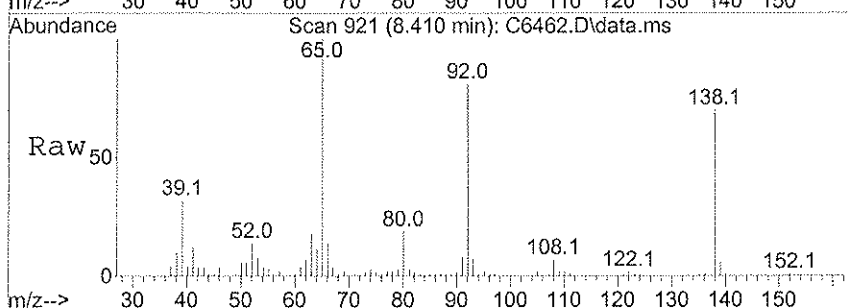
Tgt Ion	Resp	Lower	Upper
152	602960		
151	20.1	16.3	24.5





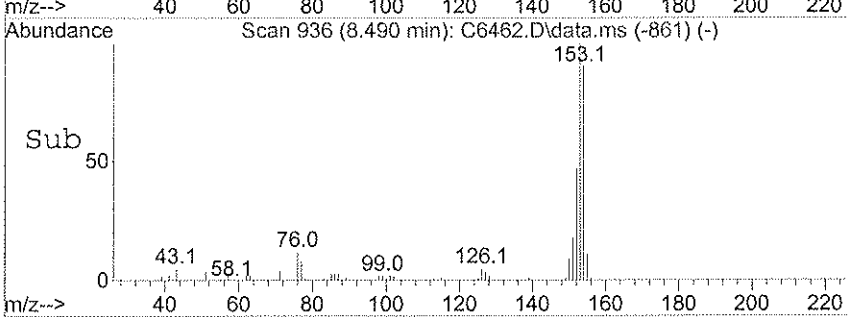
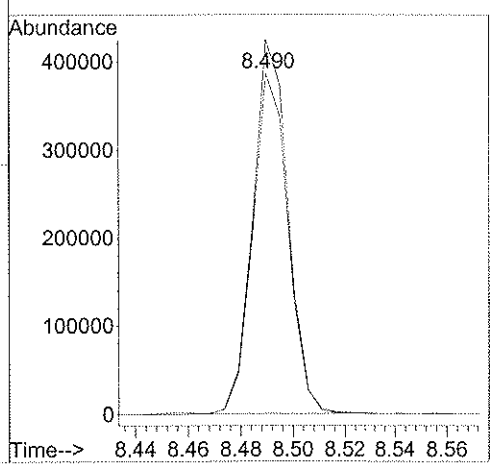
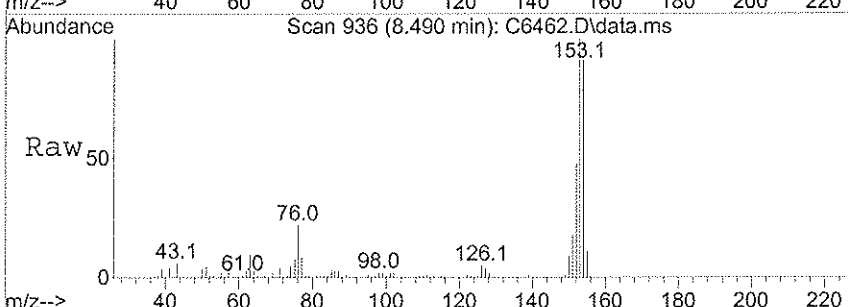
#44  
 3-Nitroaniline  
 Concen: 19.18 ug/ml  
 RT: 8.410 min Scan# 921  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

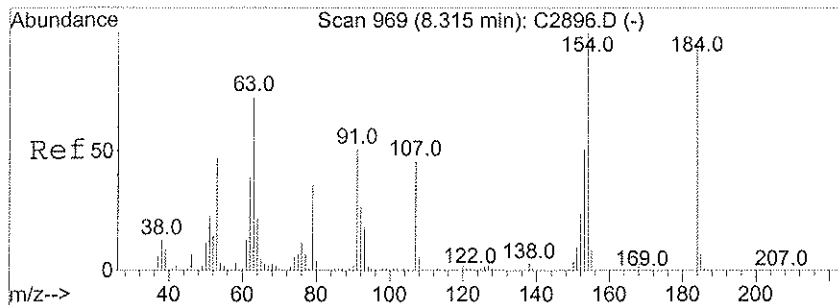
Tgt Ion: 138 Resp: 75333  
 Ion Ratio Lower Upper  
 138 100  
 65 142.7 104.5 156.7



#45  
 Acenaphthene  
 Concen: 24.29 ug/ml  
 RT: 8.490 min Scan# 936  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

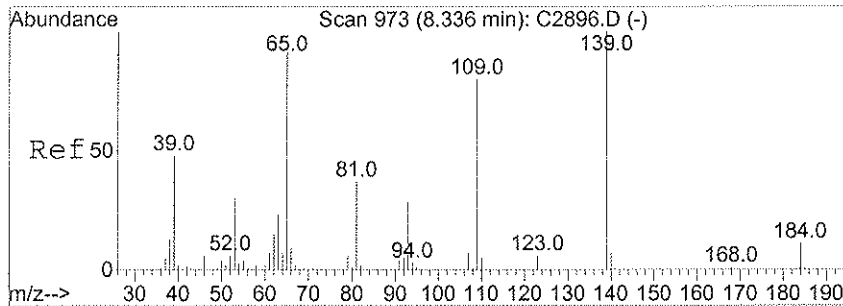
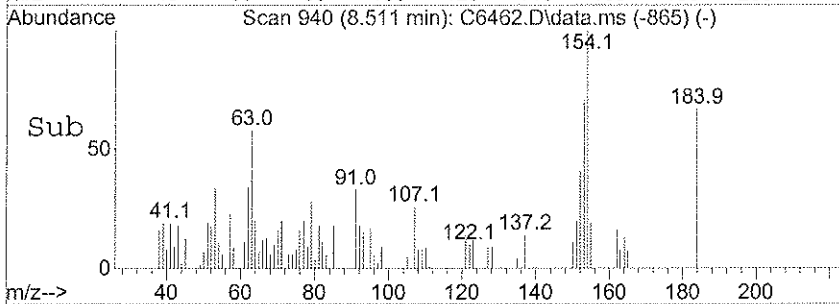
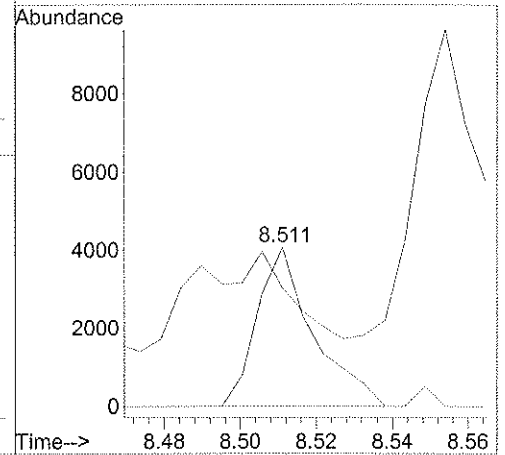
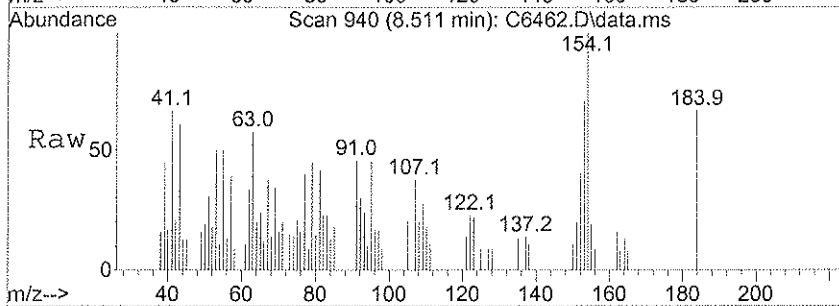
Tgt Ion: 154 Resp: 364549  
 Ion Ratio Lower Upper  
 154 100  
 153 109.8 86.2 129.2





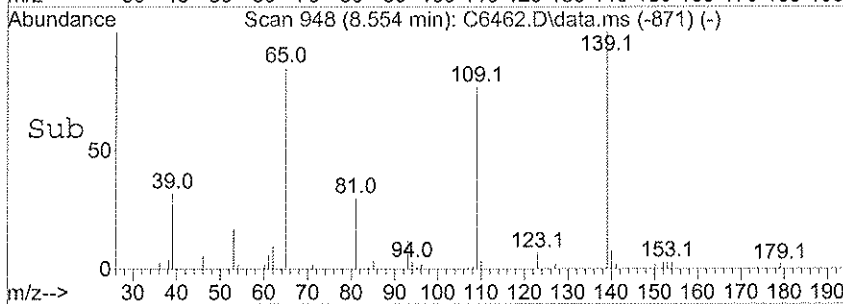
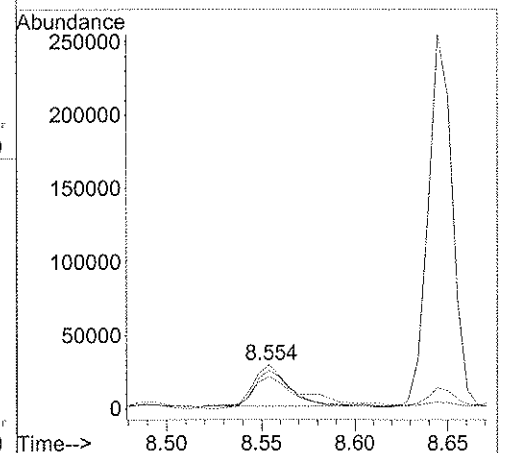
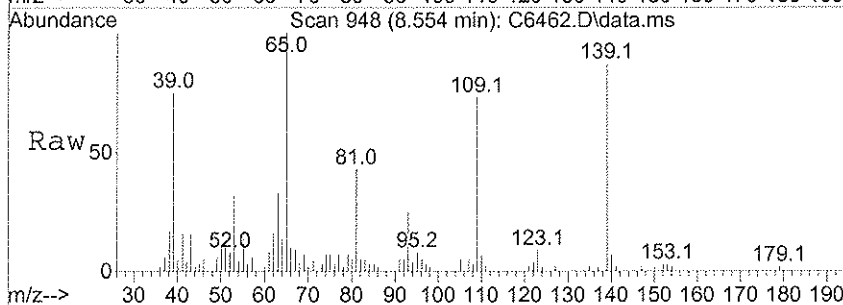
#46  
 2,4-Dinitrophenol  
 Concen: 98.99 ug/ml m  
 RT: 8.511 min Scan# 940  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

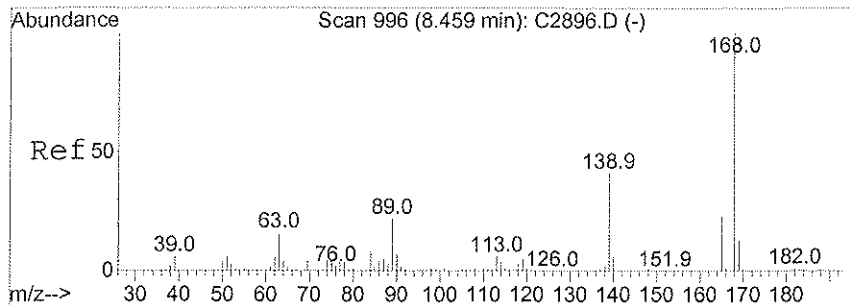
Tgt Ion: 184 Resp: 4151  
 Ion Ratio Lower Upper  
 184 100  
 53 74.4 53.6 80.4



#47  
 4-Nitrophenol  
 Concen: 20.71 ug/ml  
 RT: 8.554 min Scan# 948  
 Delta R.T. 0.011 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

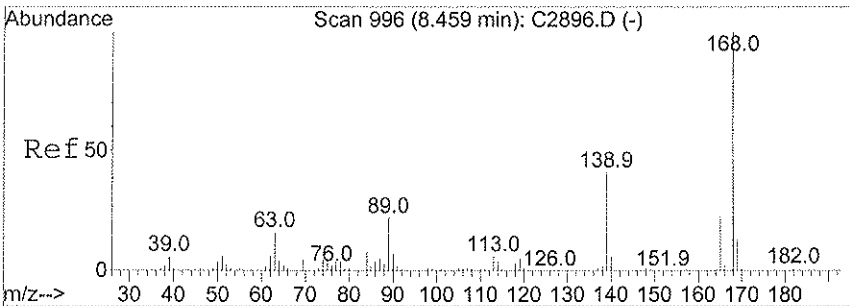
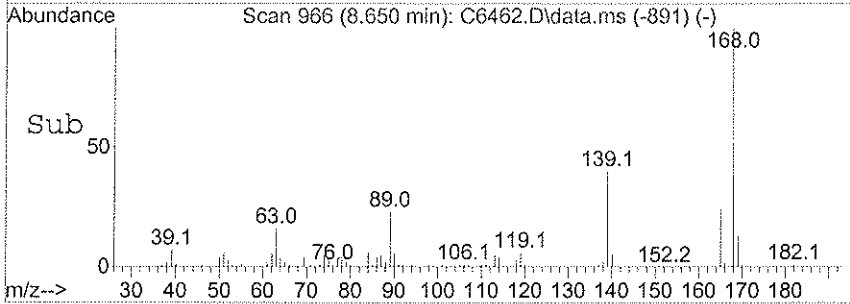
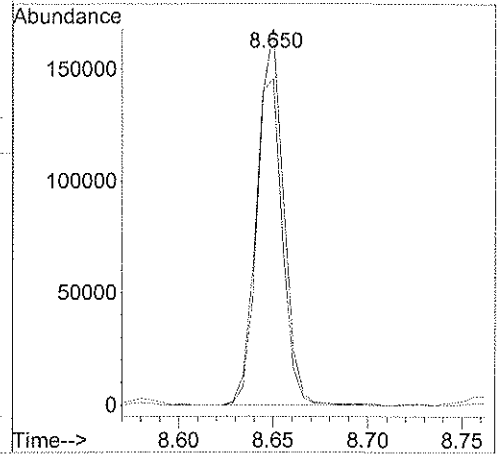
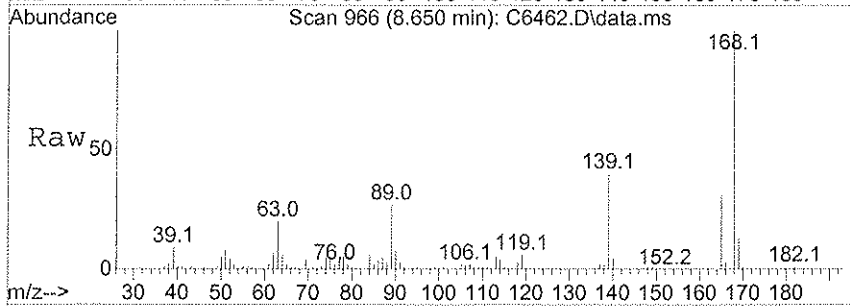
Tgt Ion: 65 Resp: 45272  
 Ion Ratio Lower Upper  
 65 100  
 139 87.2 76.4 114.6  
 109 72.7 58.4 87.6





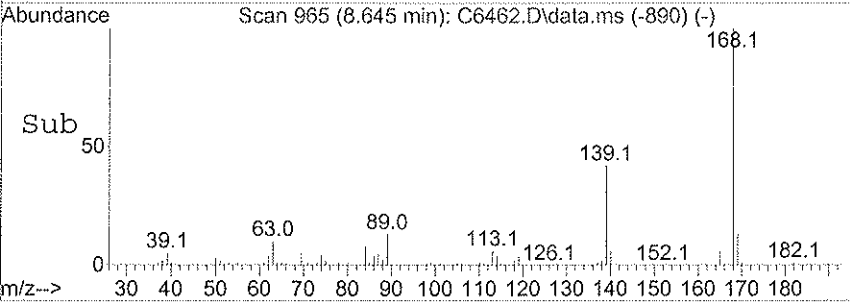
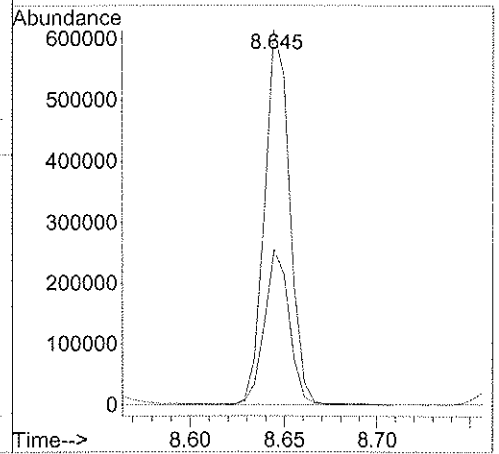
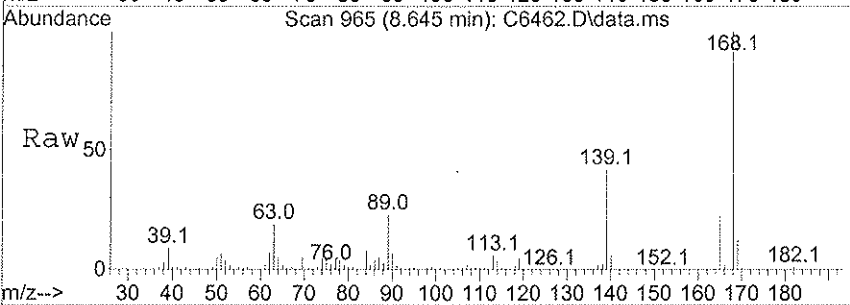
#48  
 2,4-Dinitrotoluene  
 Concen: 32.76 ug/ml  
 RT: 8.650 min Scan# 966  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

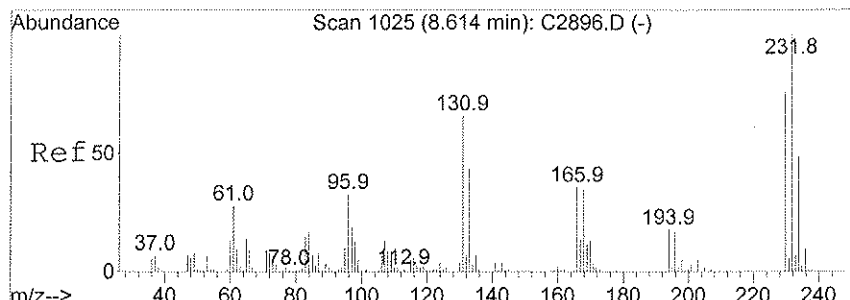
Tgt Ion:165 Resp: 157441  
 Ion Ratio Lower Upper  
 165 100  
 89 86.8 71.5 107.3



#49  
 Dibenzofuran  
 Concen: 25.91 ug/ml  
 RT: 8.645 min Scan# 965  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

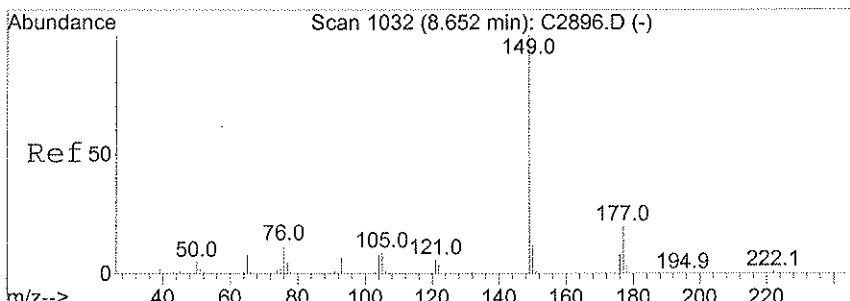
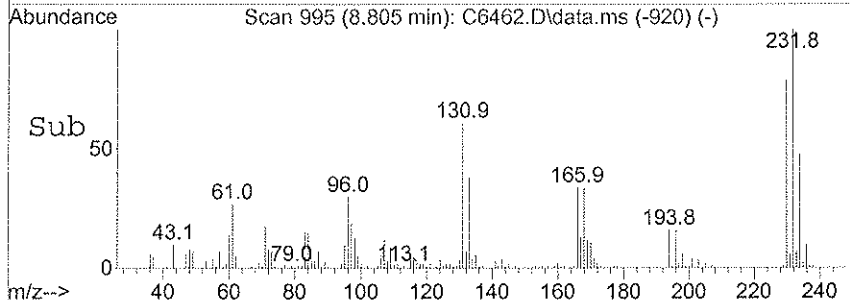
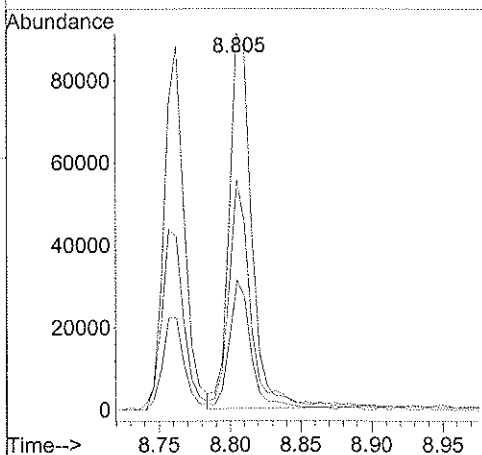
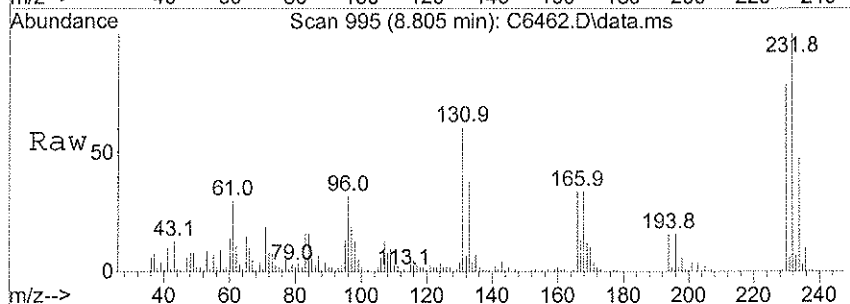
Tgt Ion:168 Resp: 575214  
 Ion Ratio Lower Upper  
 168 100  
 139 41.6 33.4 50.0





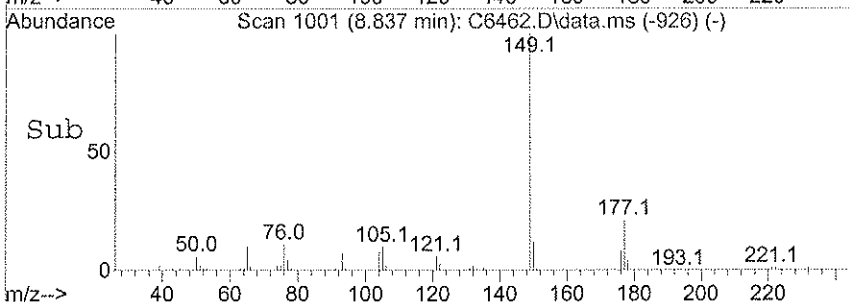
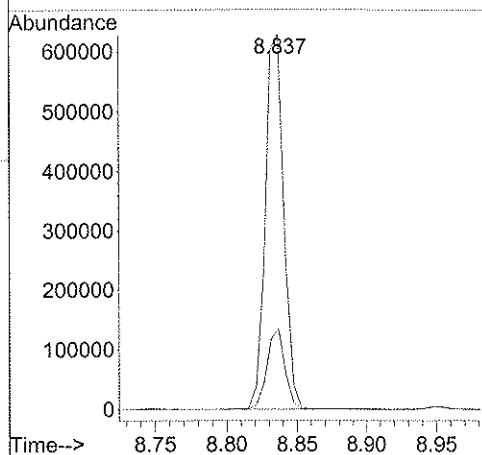
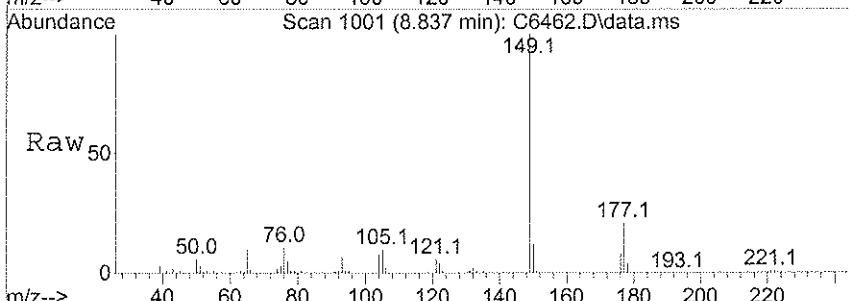
#50  
 2,3,4,6-Tetrachlorophenol  
 Concen: 47.19 ug/ml  
 RT: 8.805 min Scan# 995  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

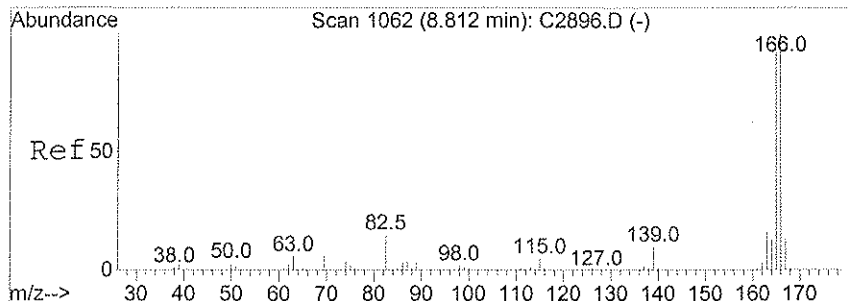
Tgt Ion	Resp	Lower	Upper
232	103048		
232	100		
131	60.9	46.5	69.7
166	34.4	25.4	38.0



#51  
 Diethylphthalate  
 Concen: 31.11 ug/ml  
 RT: 8.837 min Scan# 1001  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

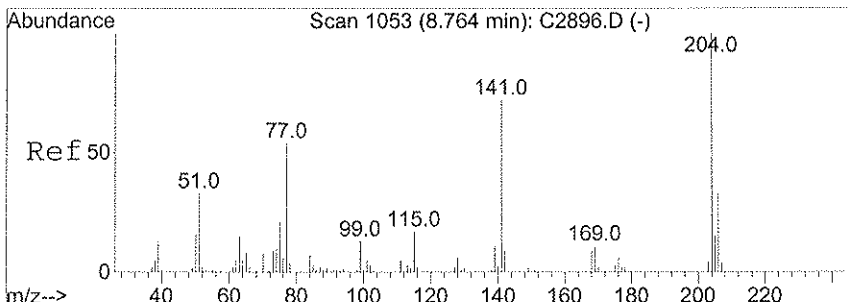
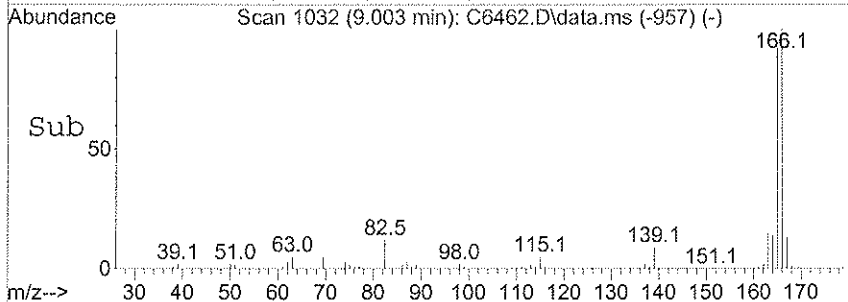
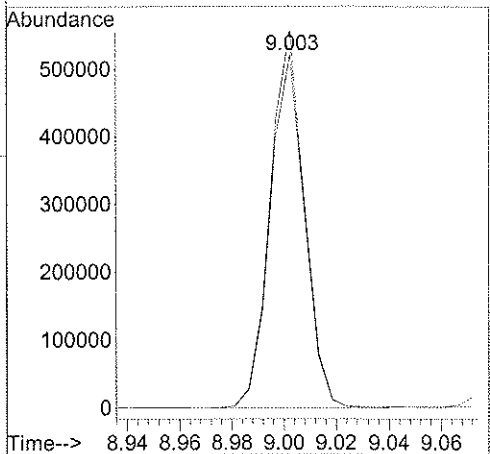
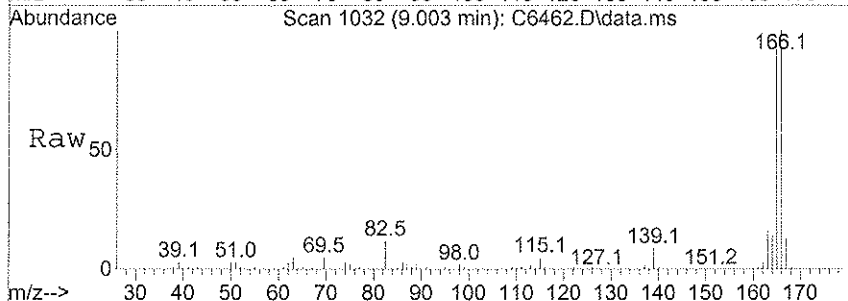
Tgt Ion	Resp	Lower	Upper
149	577406		
149	100		
177	21.4	17.0	25.4





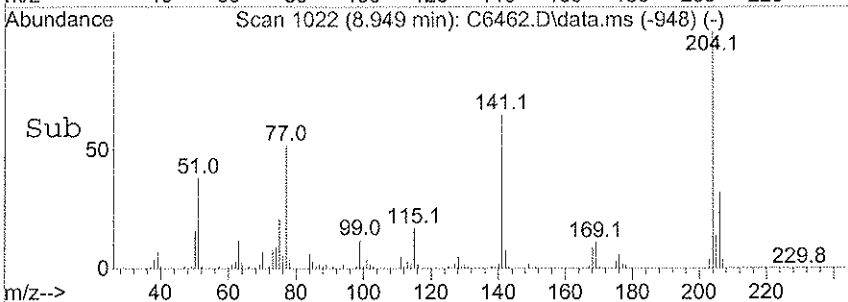
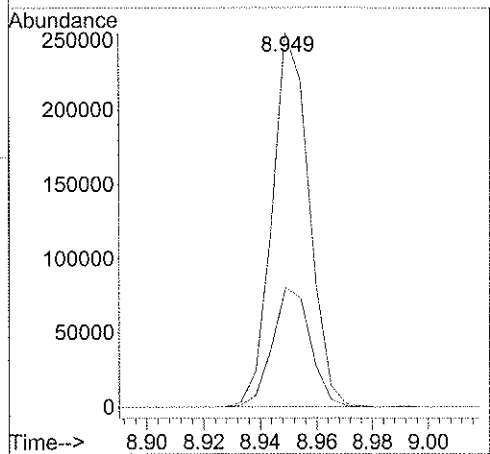
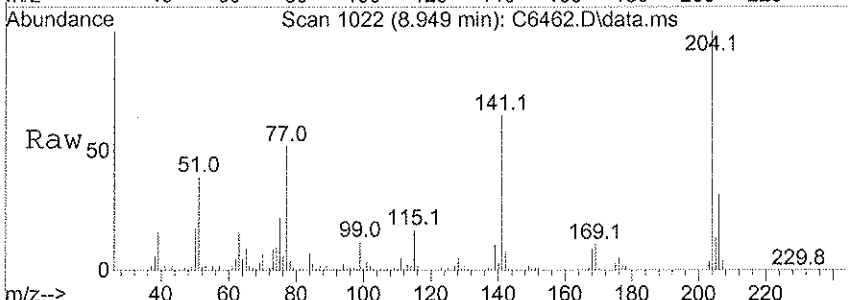
#52  
 Fluorene  
 Concen: 28.00 ug/ml  
 RT: 9.003 min Scan# 1032  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

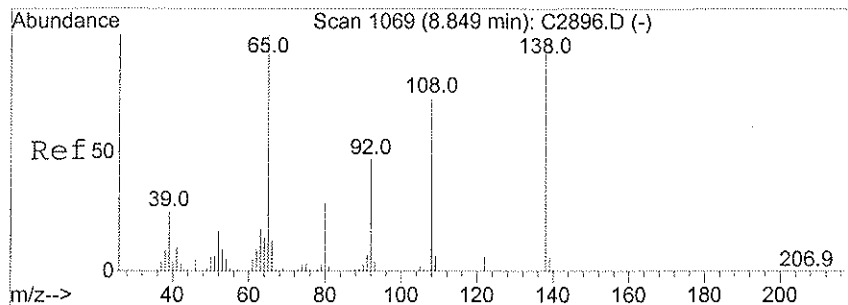
Tgt Ion	Resp	Lower	Upper
166	100		
165	93.7	73.9	110.9



#53  
 4-Chlorophenyl phenyl ether  
 Concen: 26.99 ug/ml  
 RT: 8.949 min Scan# 1022  
 Delta R.T. -0.005 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

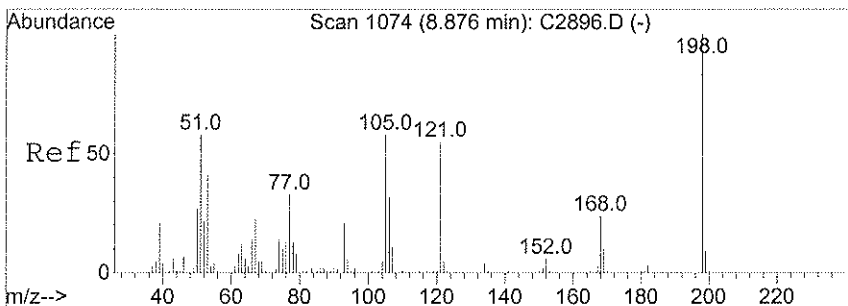
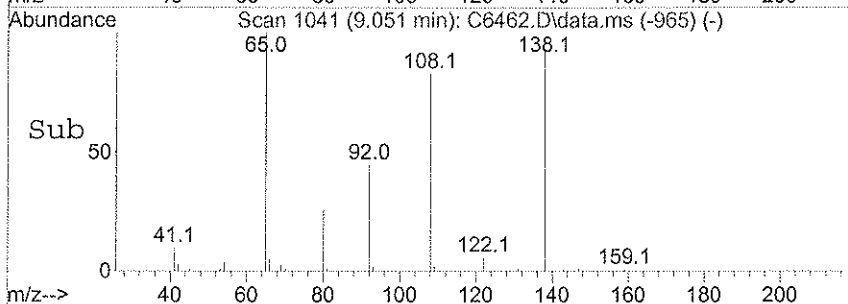
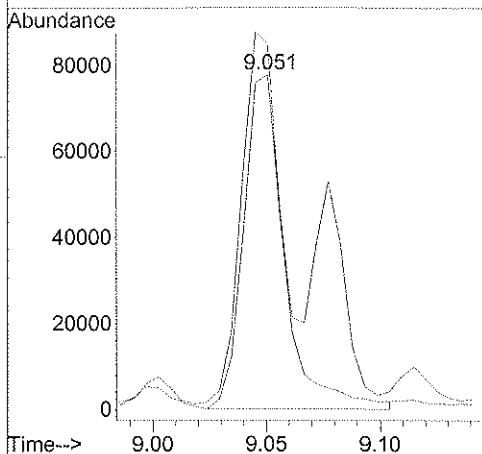
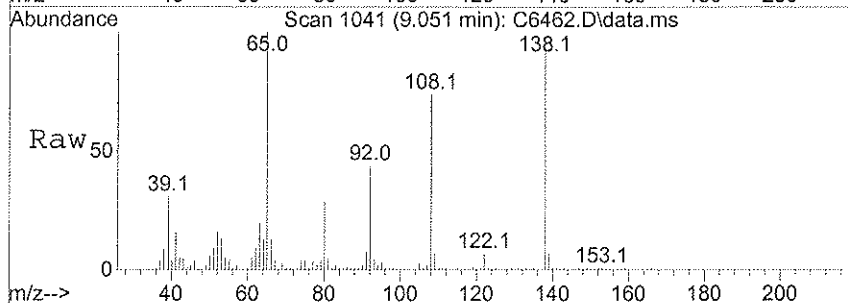
Tgt Ion	Resp	Lower	Upper
204	100		
206	31.9	26.0	39.0





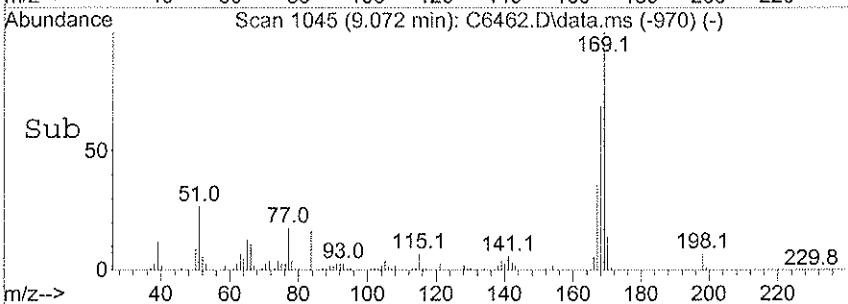
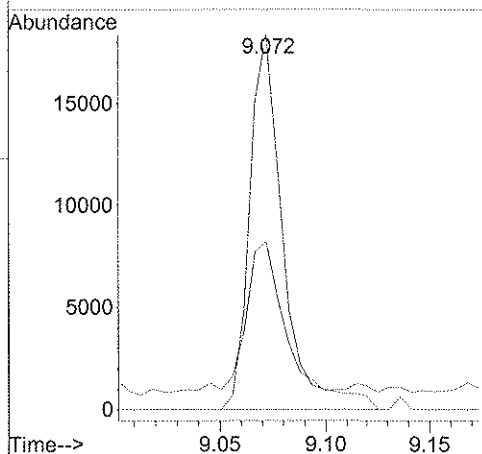
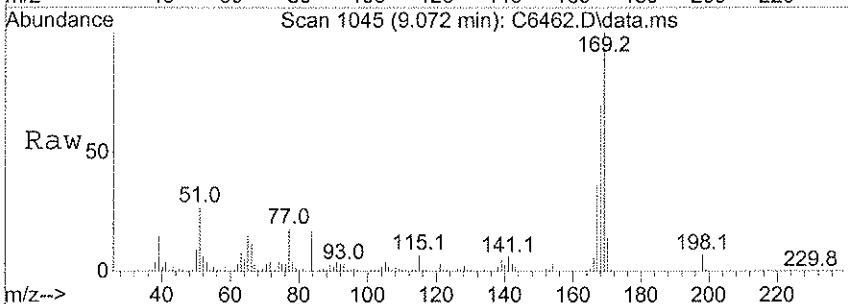
#54  
 4-Nitroaniline  
 Concen: 25.88 ug/ml  
 RT: 9.051 min Scan# 1041  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:	138	Resp:	97507
Ion Ratio	Lower	Upper	
138	100		
65	109.2	93.0	139.4

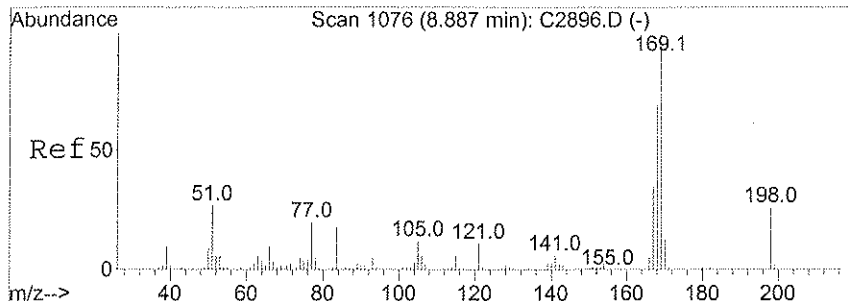


#56  
 4,6-Dinitro-2-methylphenol  
 Concen: 105.06 ug/ml  
 RT: 9.072 min Scan# 1045  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion:	198	Resp:	20257
Ion Ratio	Lower	Upper	
198	100		
121	44.7	34.5	51.7

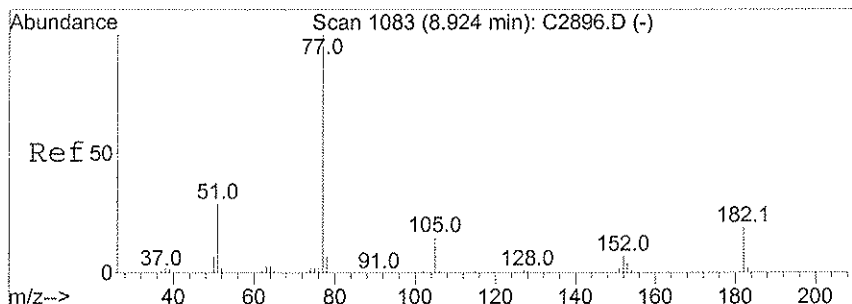
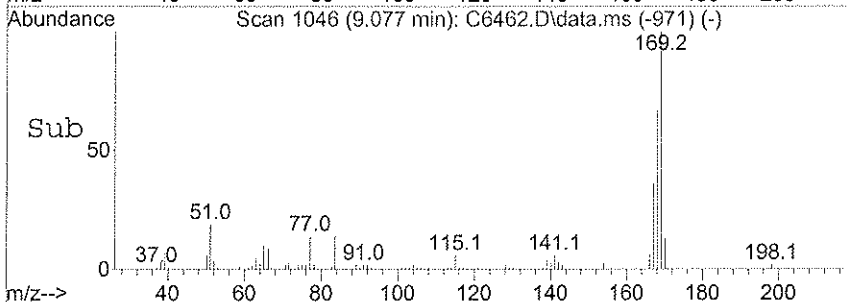
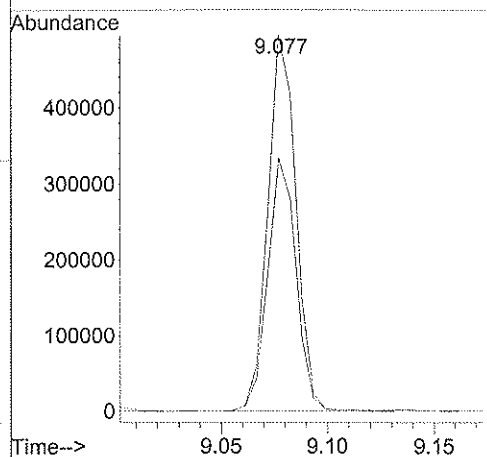
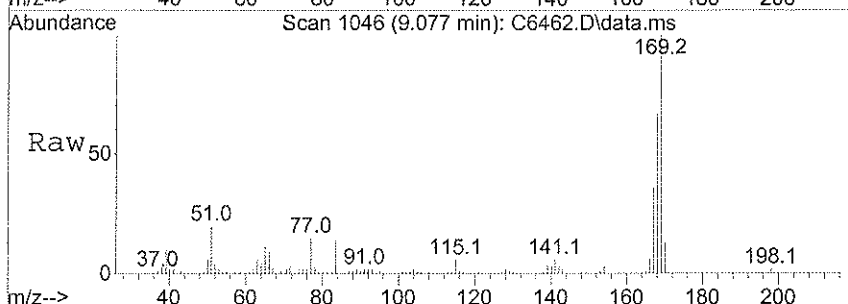






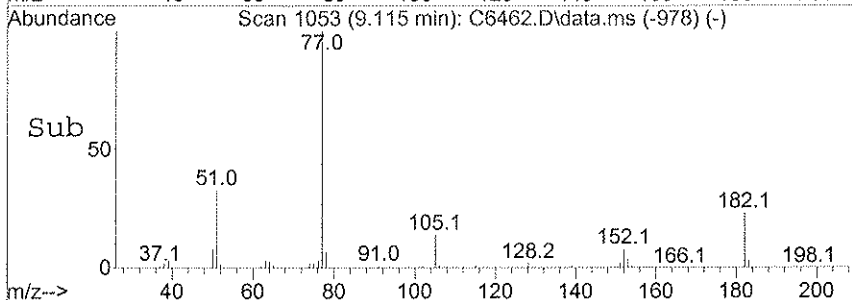
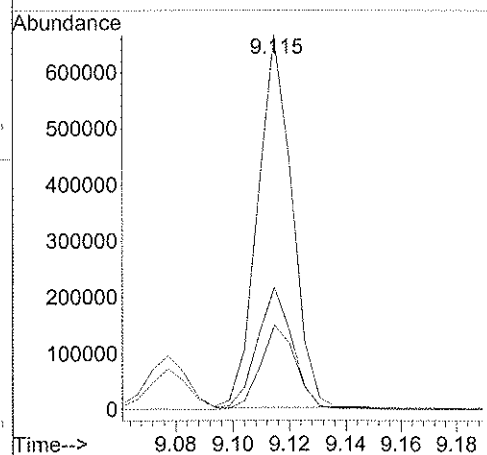
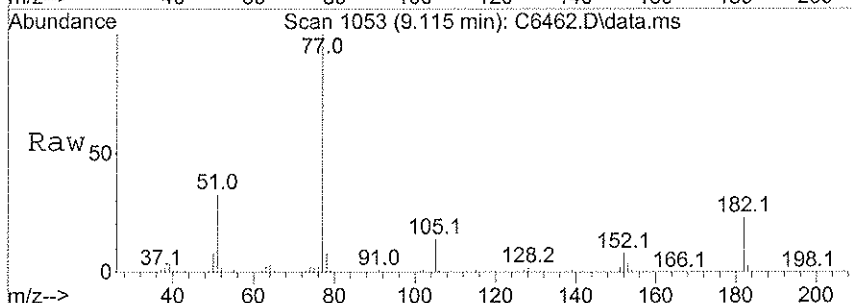
#57  
 N-Nitrosodiphenylamine  
 Concen: 35.18 ug/ml  
 RT: 9.077 min Scan# 1046  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

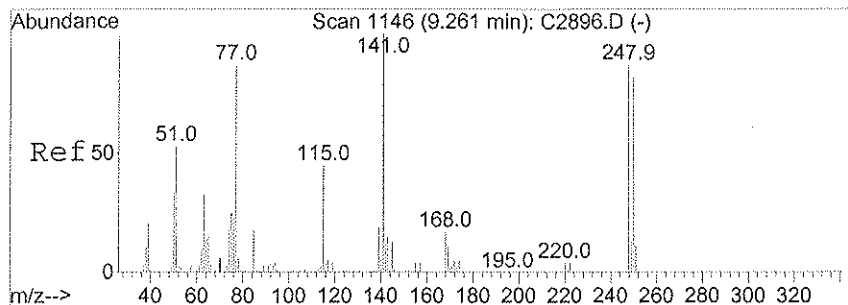
Tgt Ion	Resp	Lower	Upper
169	100		
168	67.3	54.6	81.8



#58  
 1,2-Diphenylhydrazine  
 Concen: 26.48 ug/ml  
 RT: 9.115 min Scan# 1053  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

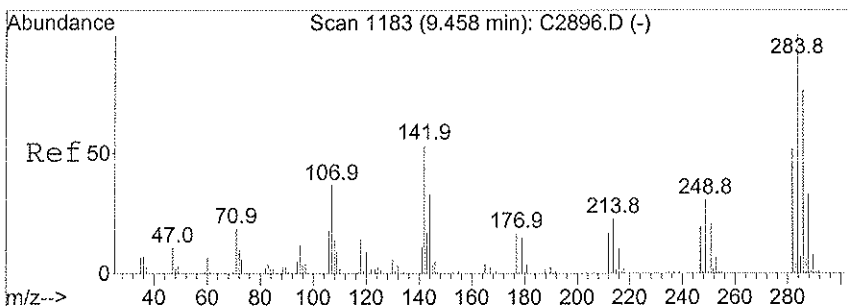
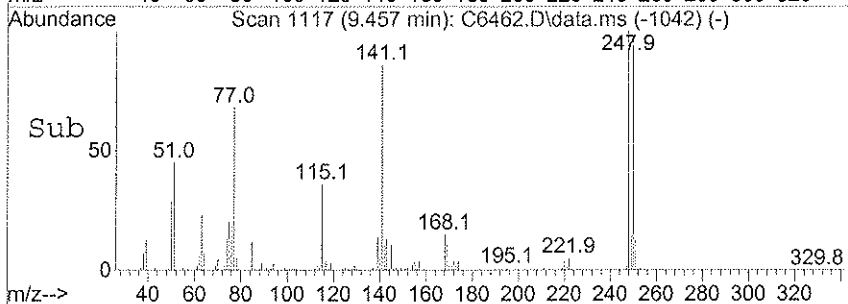
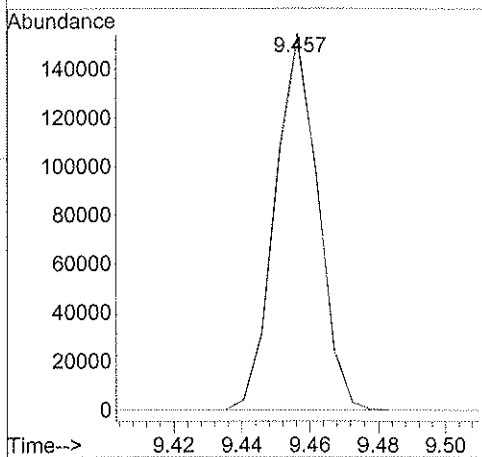
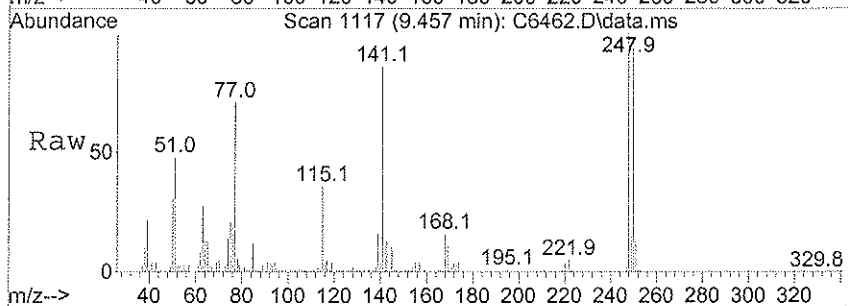
Tgt Ion	Resp	Lower	Upper
77	100		
182	22.6	17.4	26.0
51	32.8	26.1	39.1





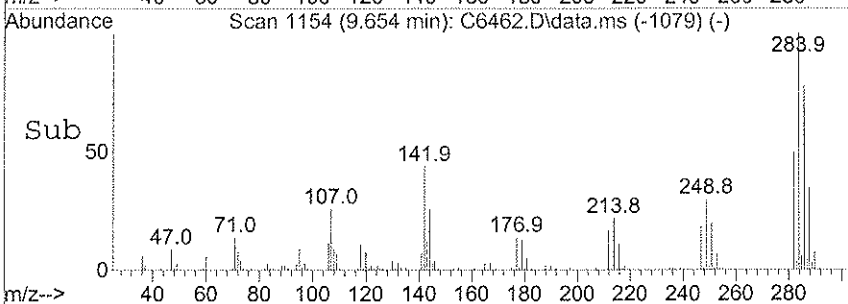
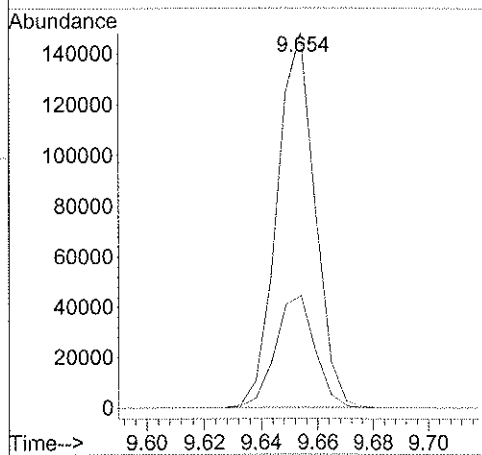
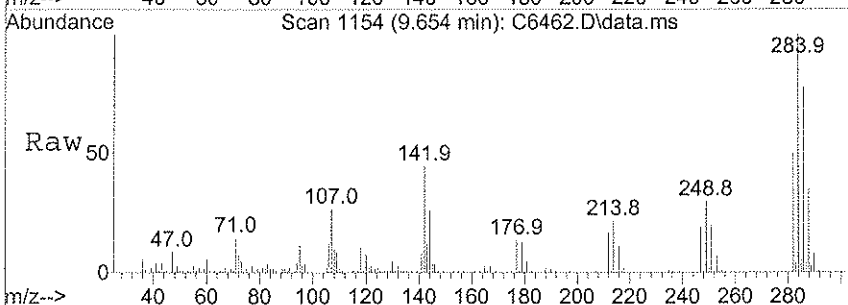
#60  
 4-Bromophenyl phenyl ether  
 Concen: 29.10 ug/ml  
 RT: 9.457 min Scan# 1117  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

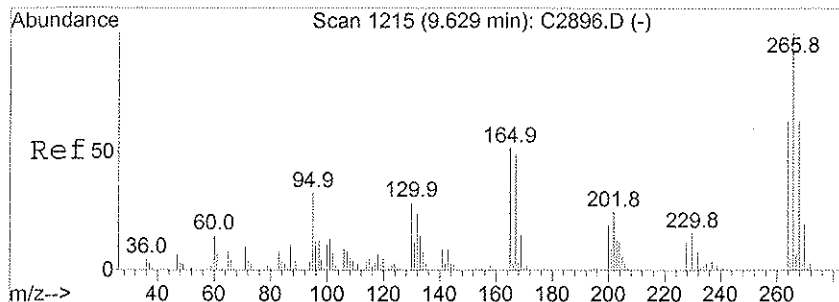
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.0



#61  
 Hexachlorobenzene  
 Concen: 28.93 ug/ml  
 RT: 9.654 min Scan# 1154  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

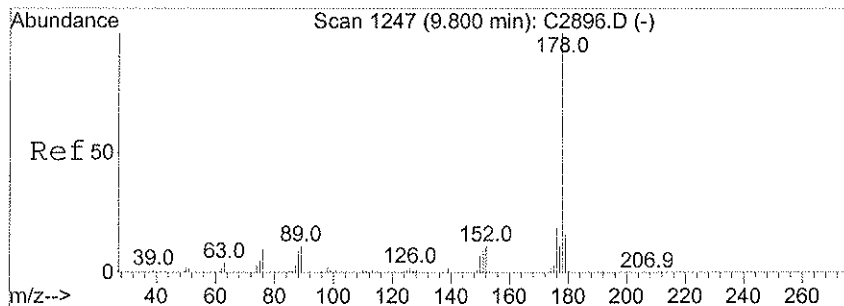
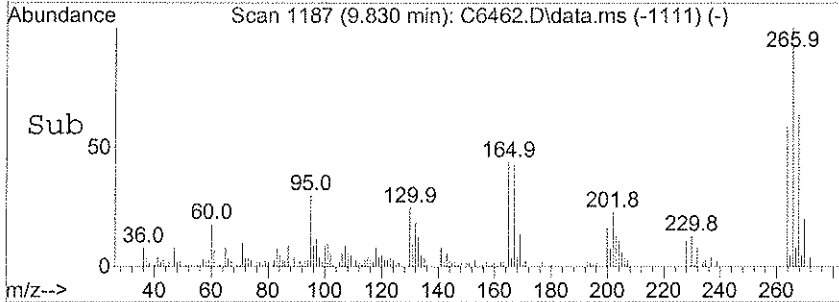
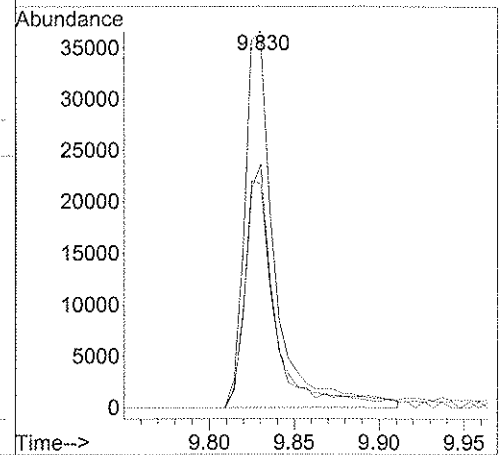
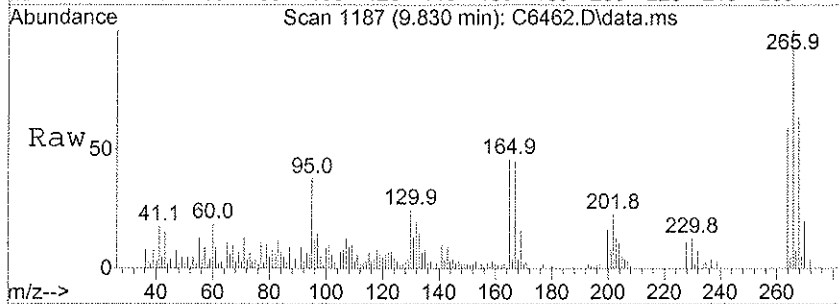
Tgt Ion	Ratio	Lower	Upper
284	100		
249	30.0	23.7	35.5





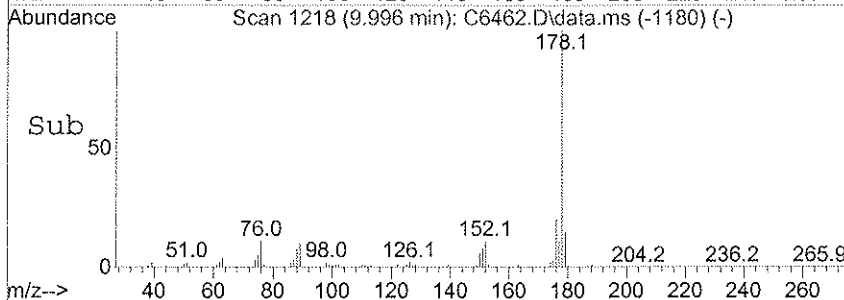
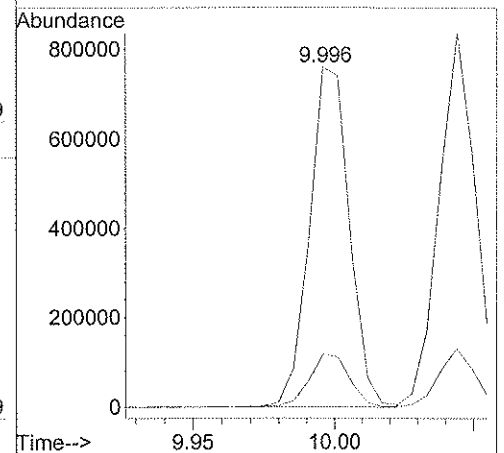
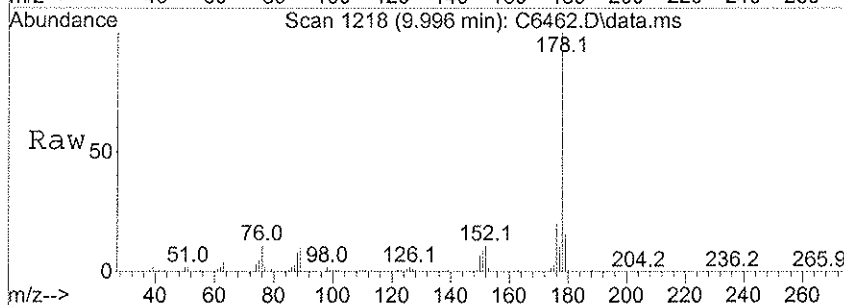
#62  
 Pentachlorophenol  
 Concen: 54.54 ug/ml  
 RT: 9.830 min Scan# 1187  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

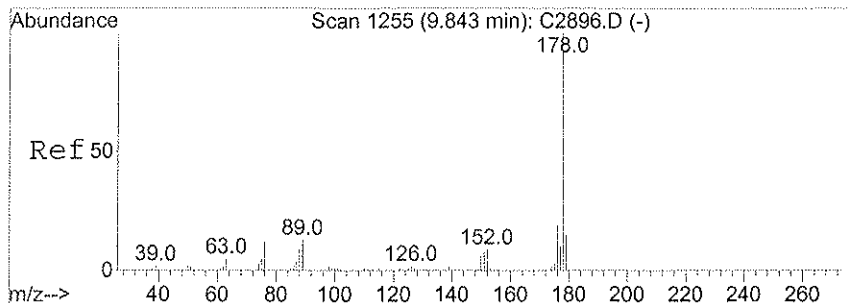
Tgt Ion	Resp	Lower	Upper
266	45204		
264	59.2	50.3	75.5
268	64.5	48.7	73.1



#63  
 Phenanthrene  
 Concen: 30.37 ug/ml  
 RT: 9.996 min Scan# 1218  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

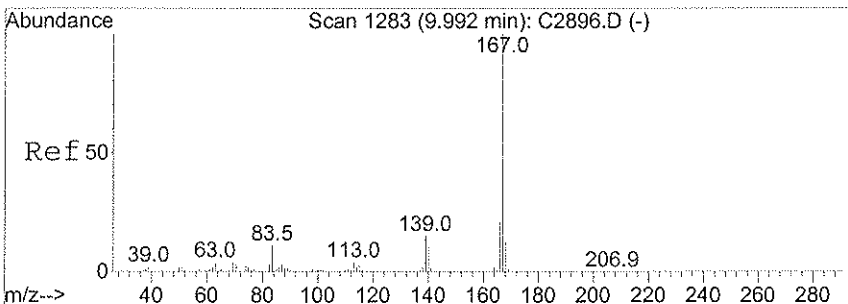
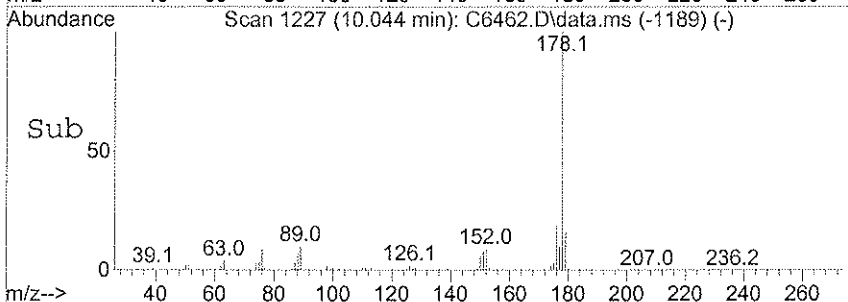
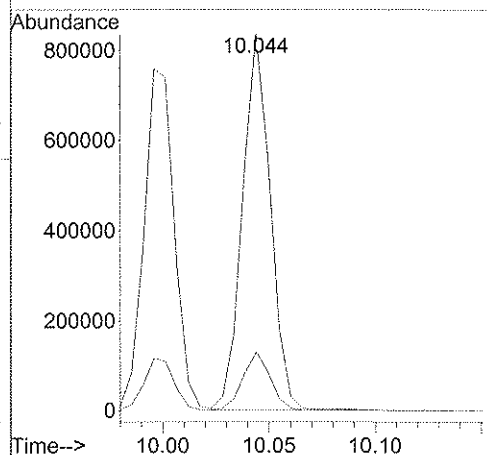
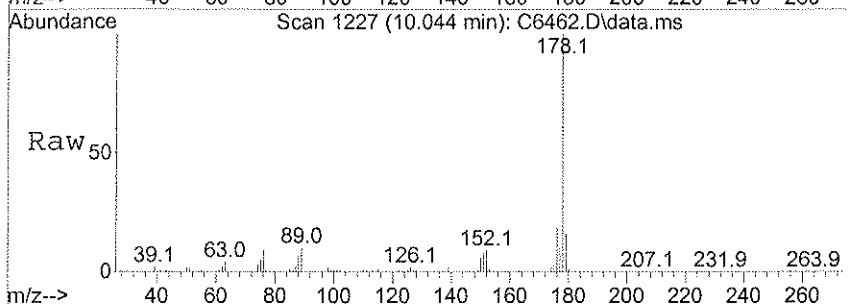
Tgt Ion	Resp	Lower	Upper
178	755360		
179	15.5	12.1	18.1





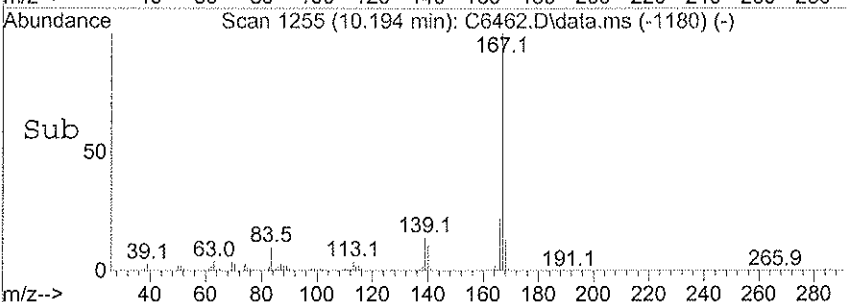
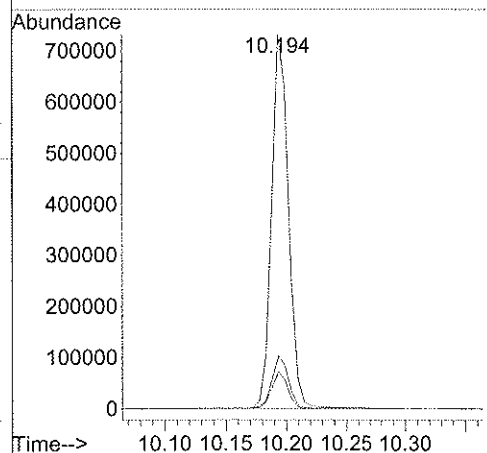
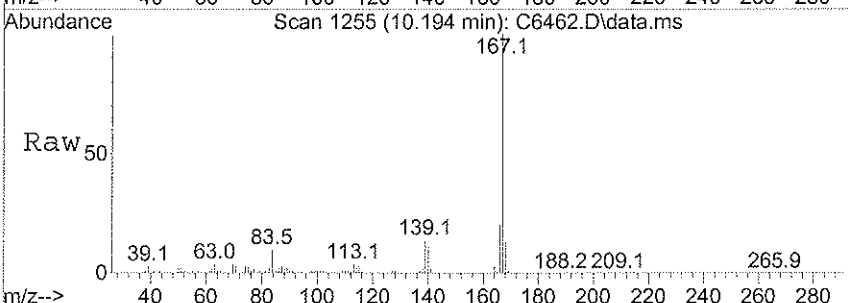
#64  
 Anthracene  
 Concen: 30.80 ug/ml  
 RT: 10.044 min Scan# 1227  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

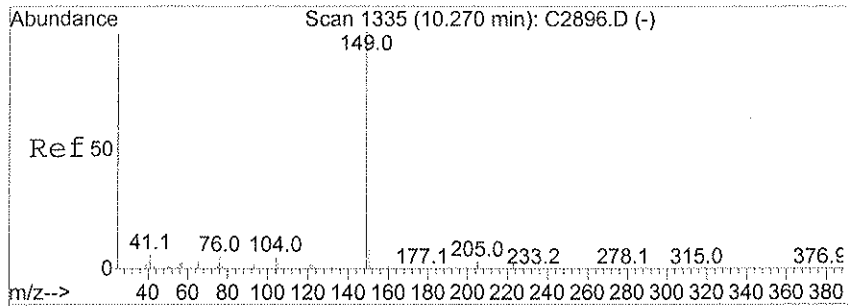
Tgt Ion: 178 Resp: 760758  
 Ion Ratio Lower Upper  
 178 100  
 179 15.6 12.2 18.2



#65  
 Carbazole  
 Concen: 33.00 ug/ml  
 RT: 10.194 min Scan# 1255  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

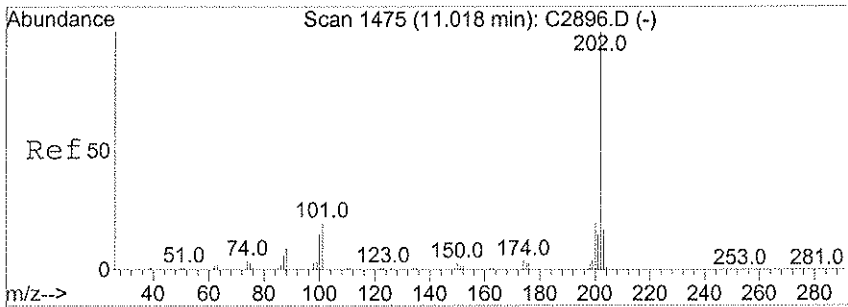
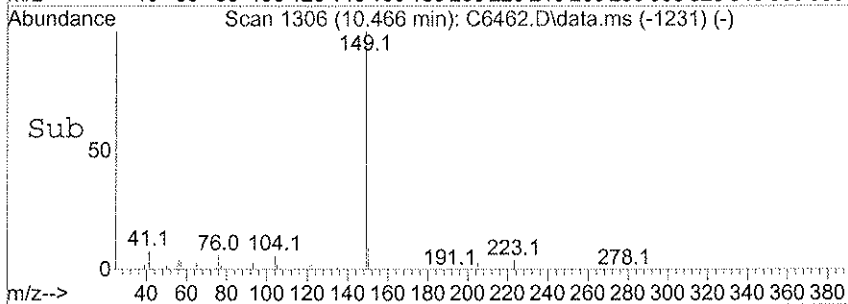
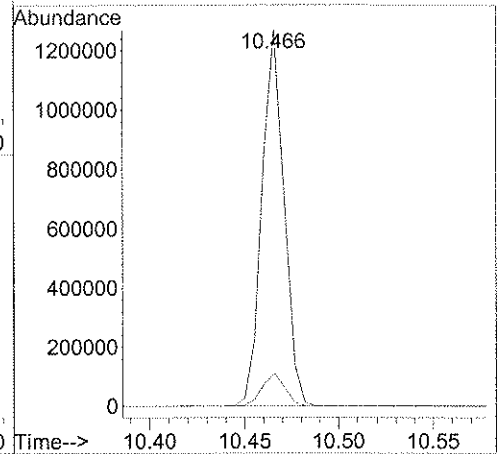
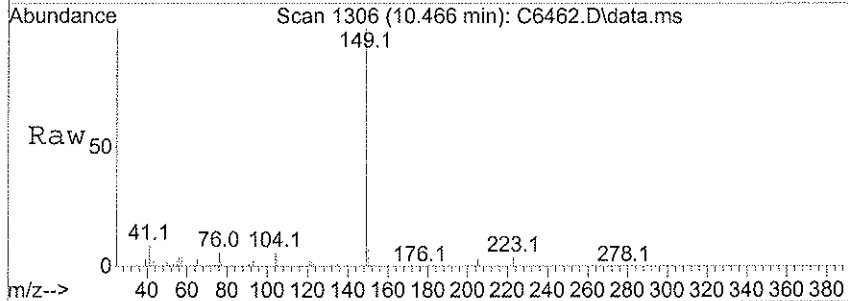
Tgt Ion: 167 Resp: 713756  
 Ion Ratio Lower Upper  
 167 100  
 139 14.1 11.0 16.6  
 84 9.9 7.8 11.6





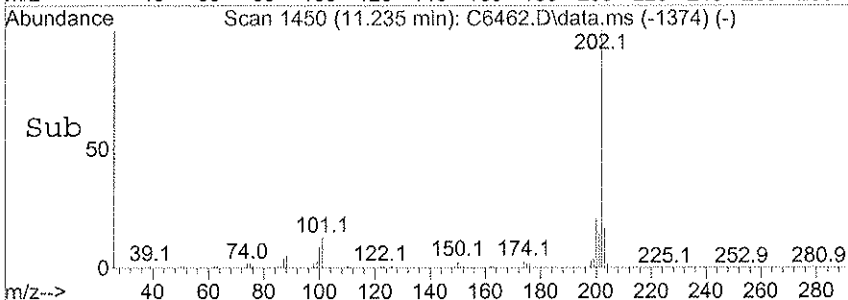
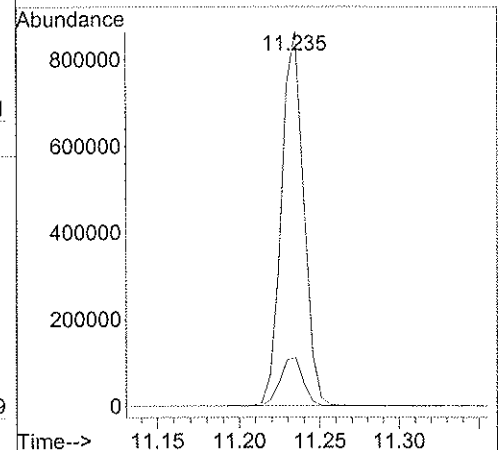
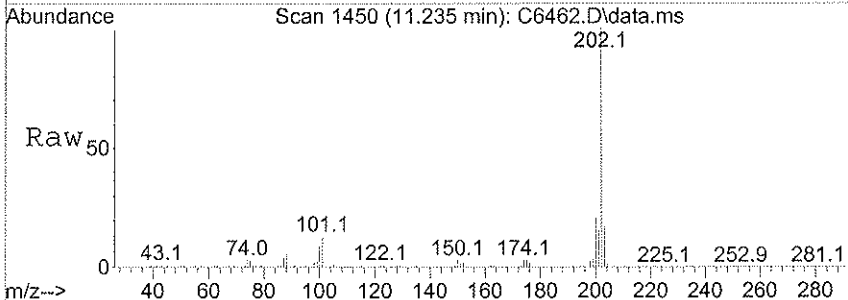
#66  
 Di-n-butylphthalate  
 Concen: 31.18 ug/ml  
 RT: 10.466 min Scan# 1306  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

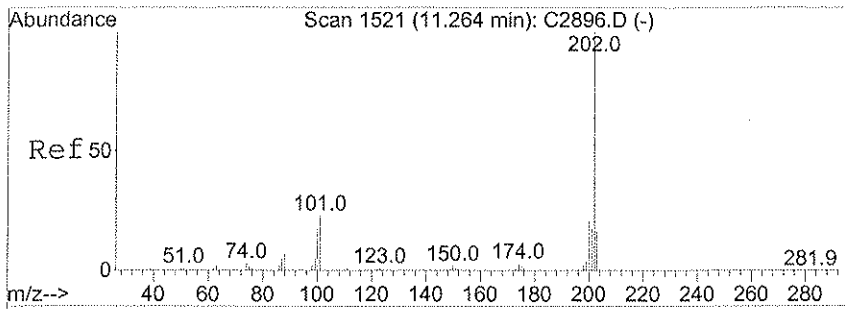
Tgt Ion: 149 Resp: 1038836  
 Ion Ratio Lower Upper  
 149 100  
 150 8.8 7.2 10.8



#67  
 Fluoranthene  
 Concen: 31.52 ug/ml  
 RT: 11.235 min Scan# 1450  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

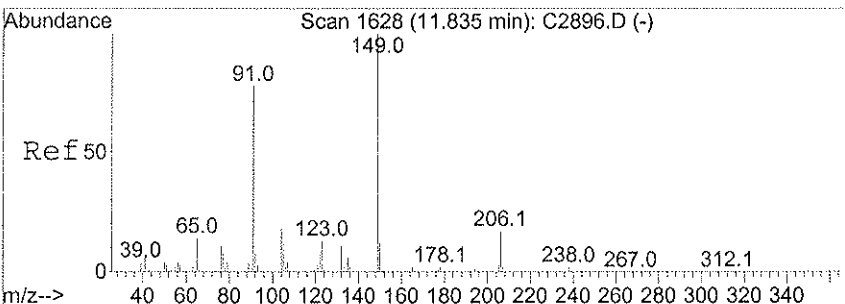
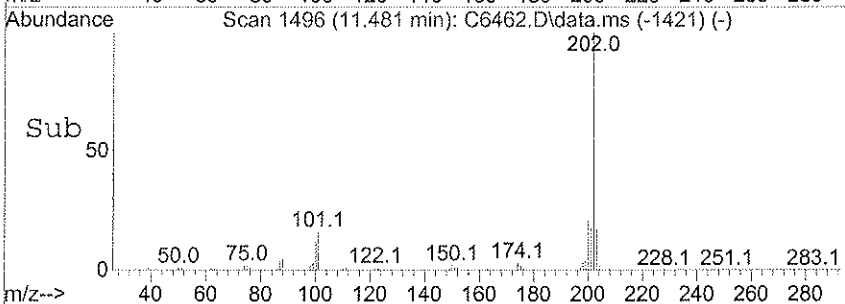
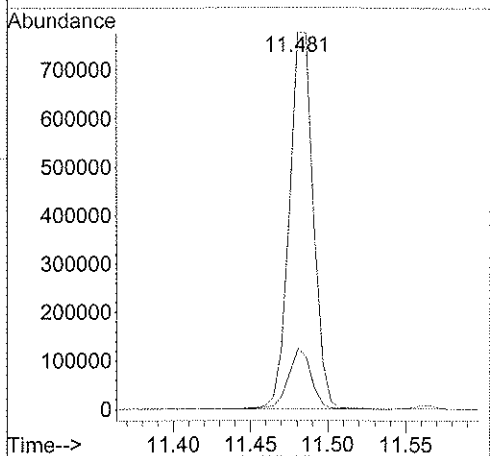
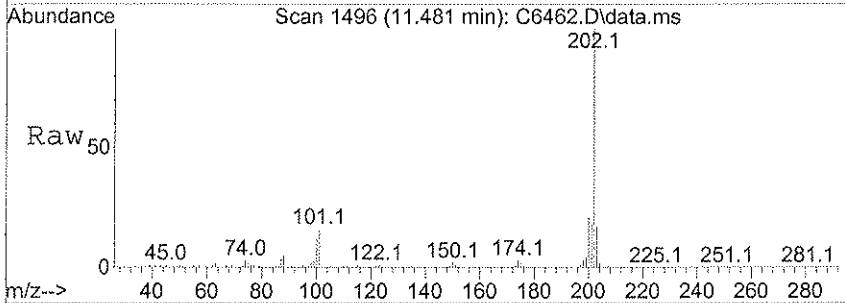
Tgt Ion: 202 Resp: 839952  
 Ion Ratio Lower Upper  
 202 100  
 101 12.8 11.6 17.4





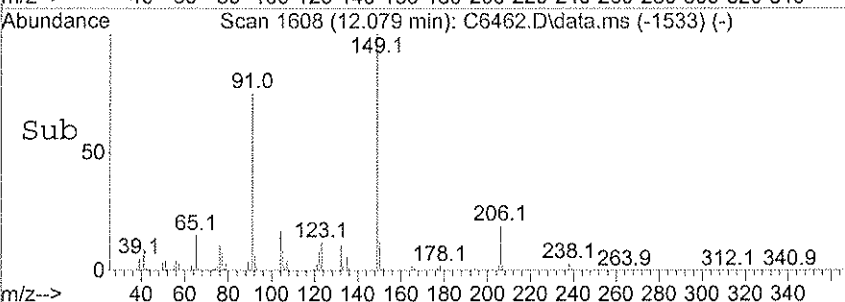
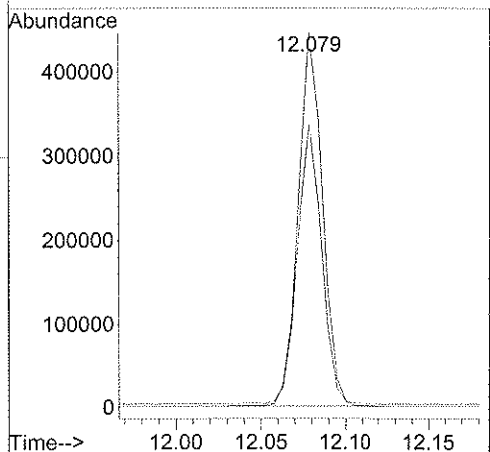
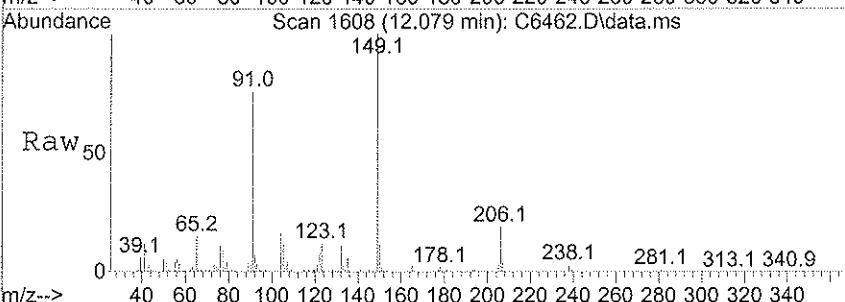
#70  
 Pyrene  
 Concen: 29.91 ug/ml  
 RT: 11.481 min Scan# 1496  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

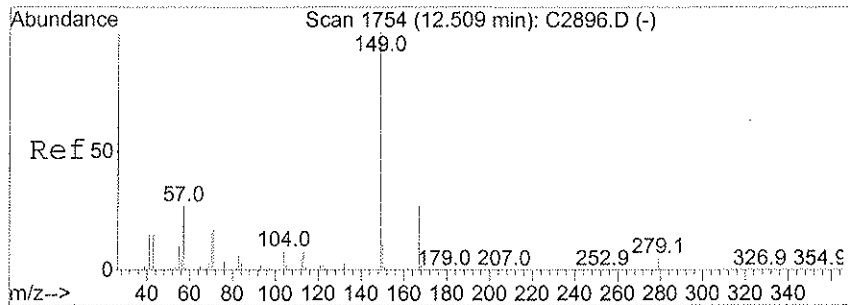
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	13.6	20.4



#72  
 Butylbenzylphthalate  
 Concen: 30.20 ug/ml  
 RT: 12.079 min Scan# 1608  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

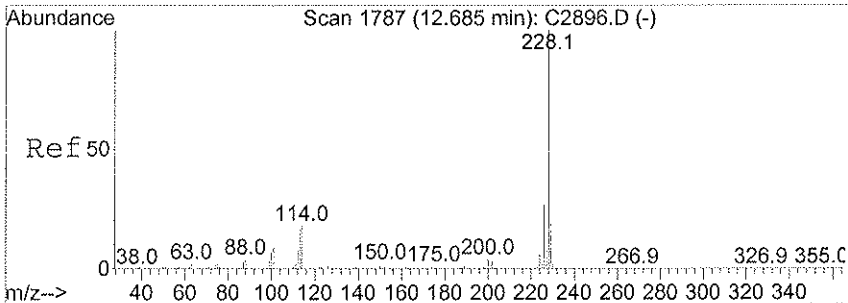
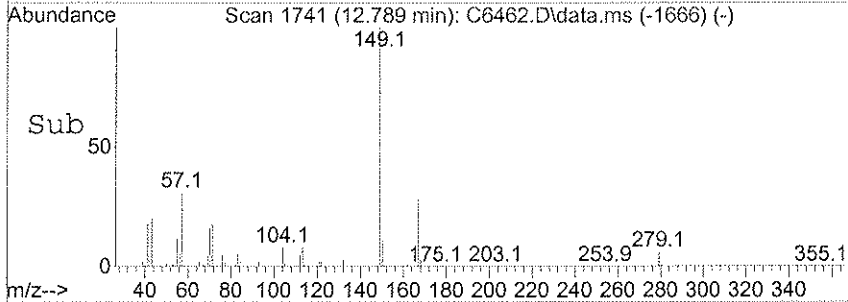
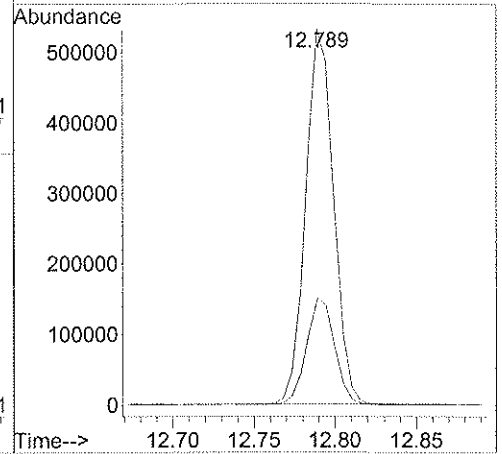
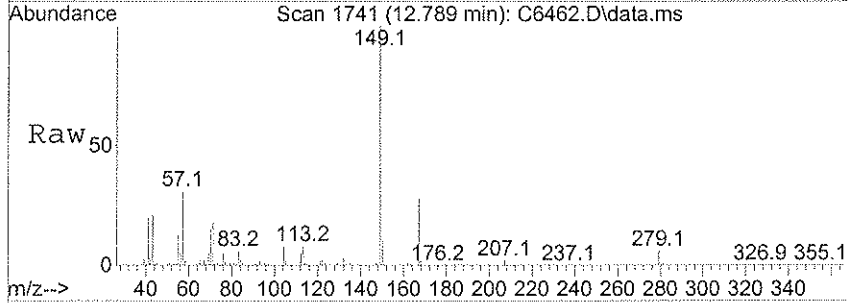
Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.6	58.4	87.6





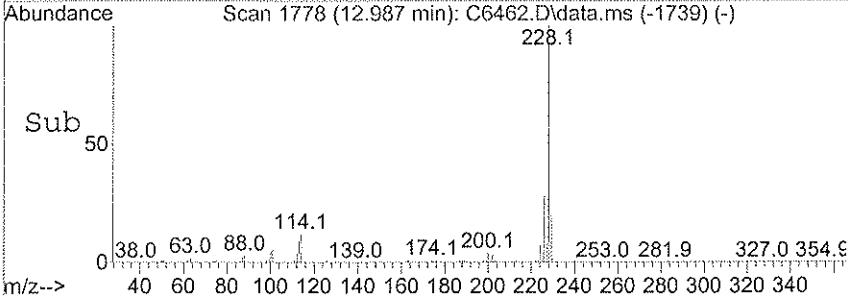
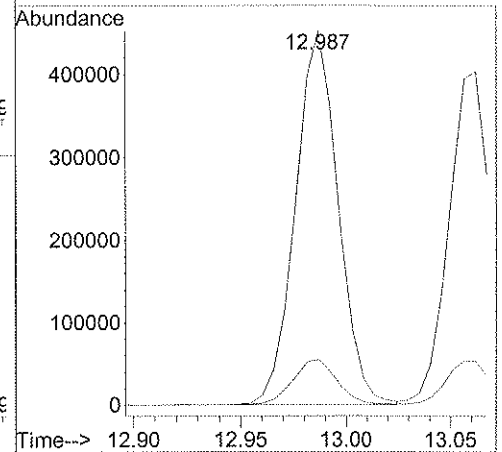
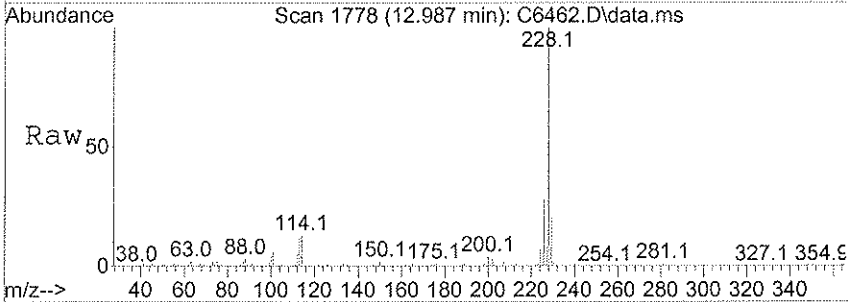
#74  
 bis(2-Ethylhexyl)phthalate  
 Concen: 29.99 ug/ml  
 RT: 12.789 min Scan# 1741  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

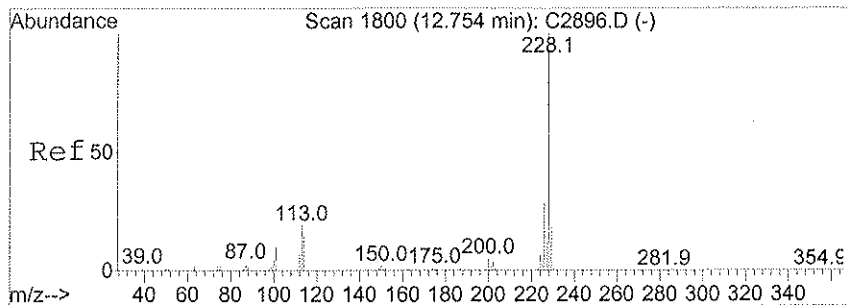
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	33.8



#75  
 Benzo (a) anthracene  
 Concen: 31.73 ug/ml  
 RT: 12.987 min Scan# 1778  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

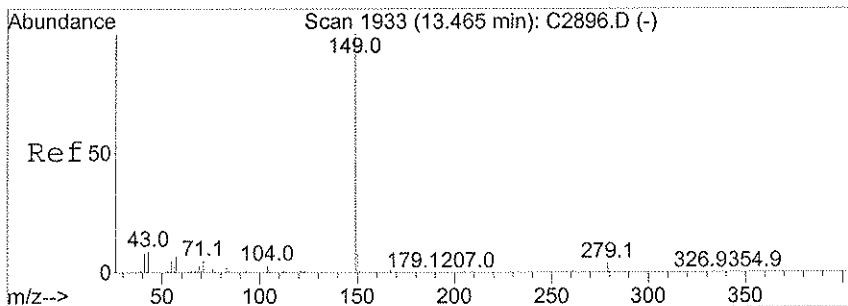
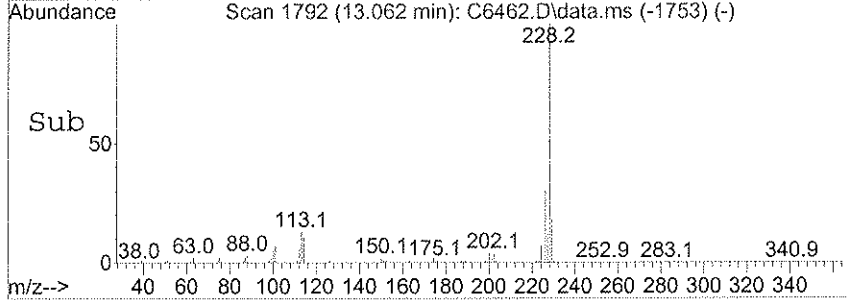
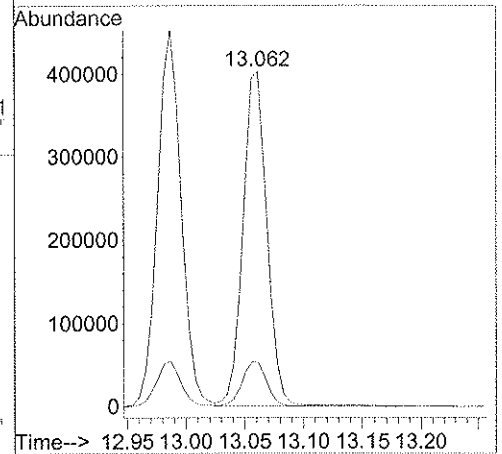
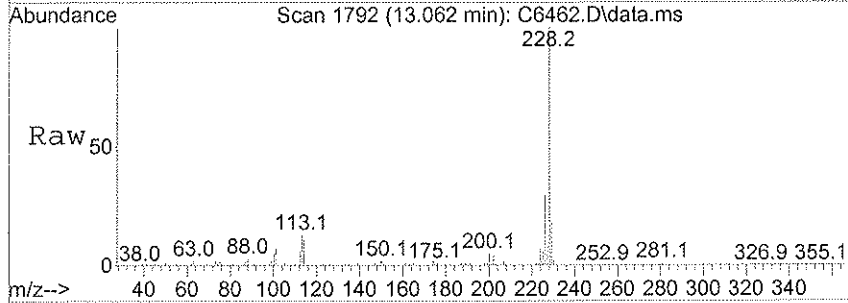
Tgt Ion	Ratio	Lower	Upper
228	100		
113	12.0	9.6	14.4





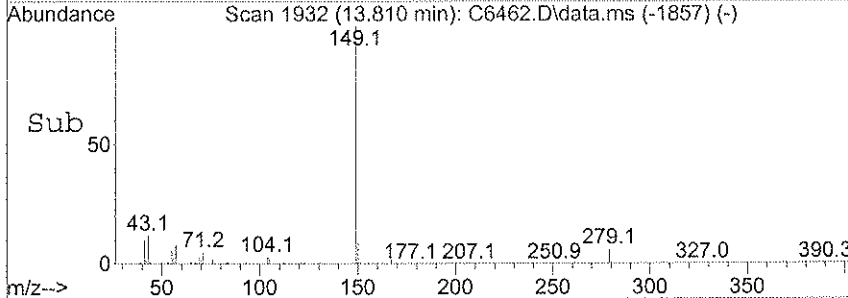
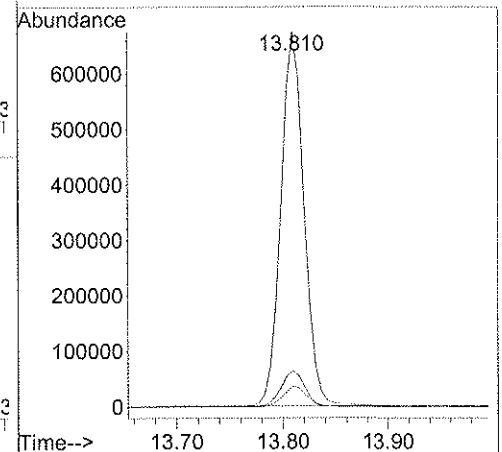
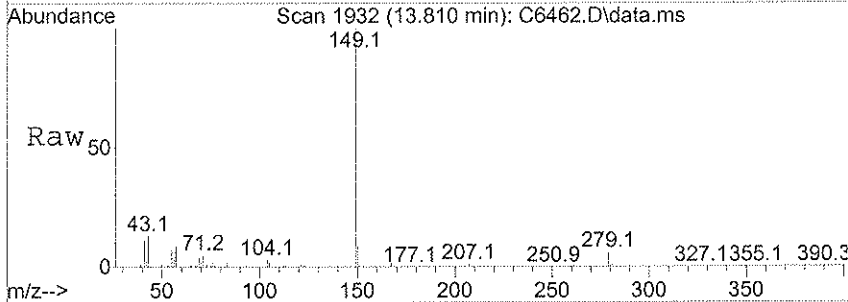
#76  
 Chrysene  
 Concen: 30.23 ug/ml  
 RT: 13.062 min Scan# 1792  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion	Resp	Lower	Upper
228	100		
113	13.2	11.7	17.5

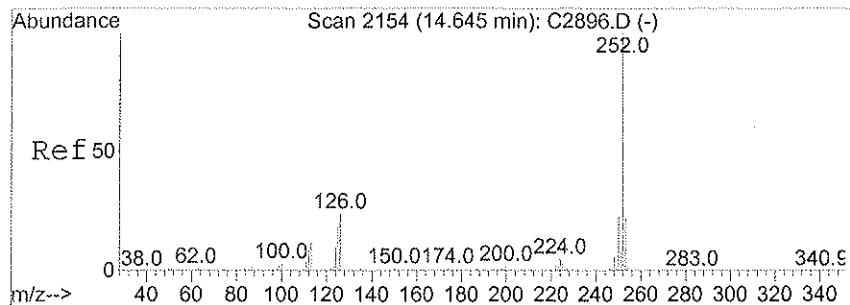


#78  
 Di-n-octylphthalate  
 Concen: 27.37 ug/ml  
 RT: 13.810 min Scan# 1932  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion	Resp	Lower	Upper
149	100		
150	9.5	8.2	12.2
279	5.5	4.3	6.5

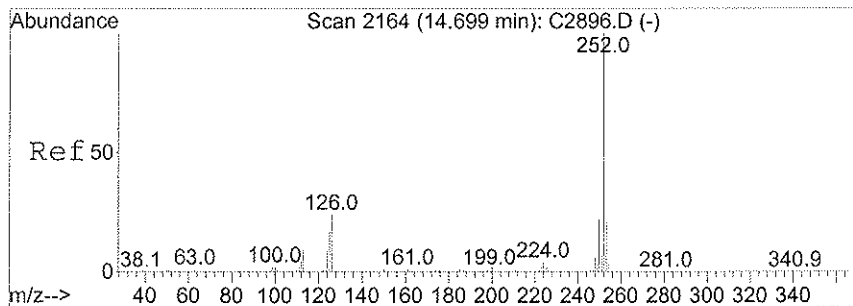
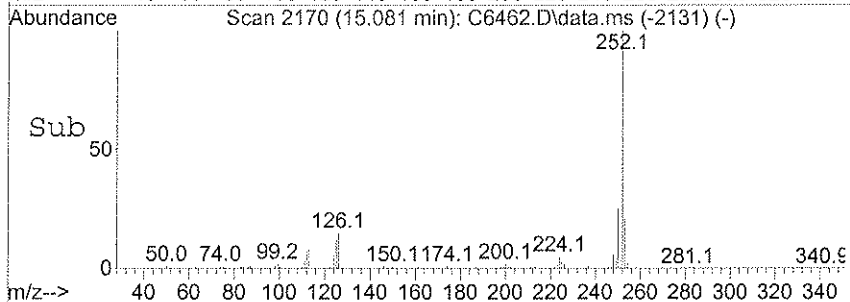
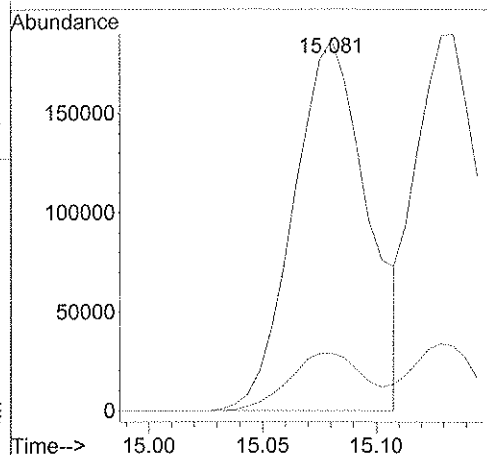
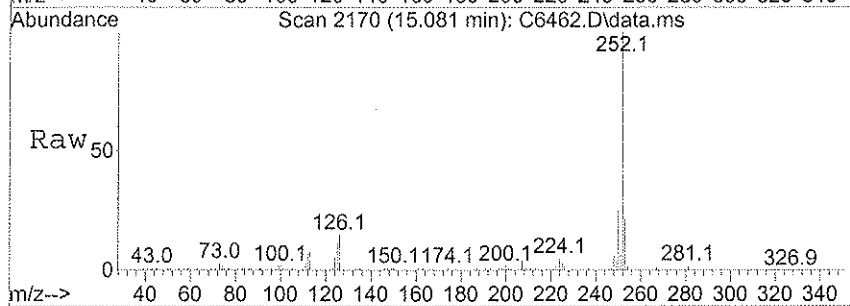






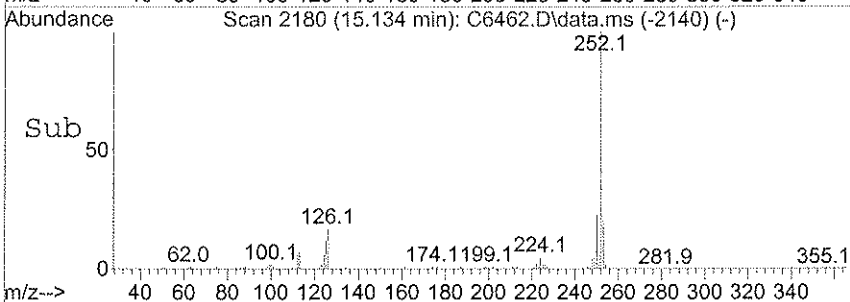
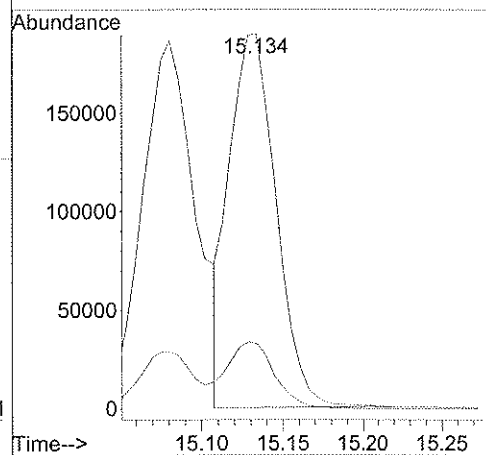
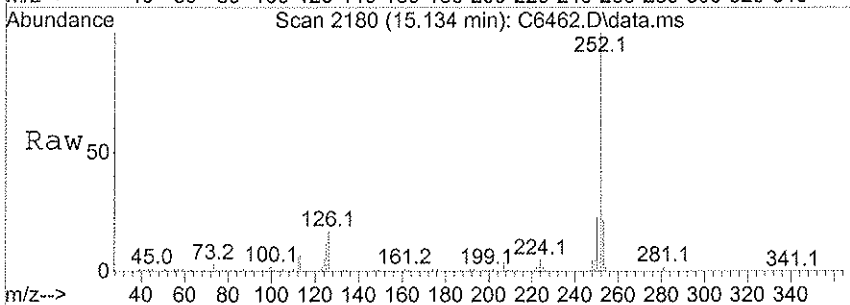
#79  
 Benzo (b) fluoranthene  
 Concen: 31.67 ug/ml  
 RT: 15.081 min Scan# 2170  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

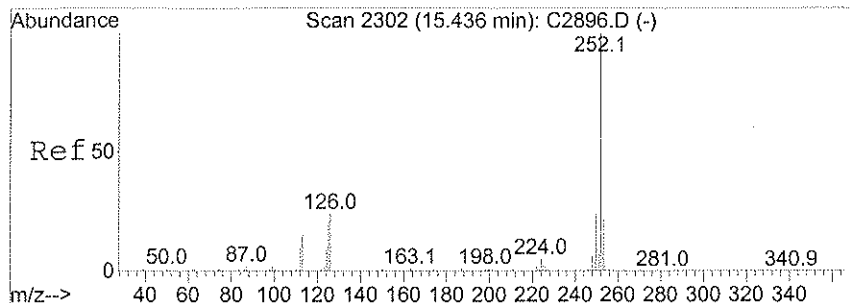
Tgt Ion: 252 Resp: 422375  
 Ion Ratio Lower Upper  
 252 100  
 126 15.5 12.6 19.0



#80  
 Benzo (k) fluoranthene  
 Concen: 30.56 ug/ml  
 RT: 15.134 min Scan# 2180  
 Delta R.T. 0.011 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

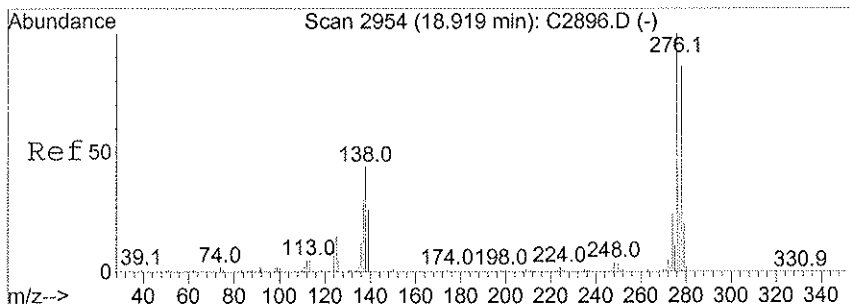
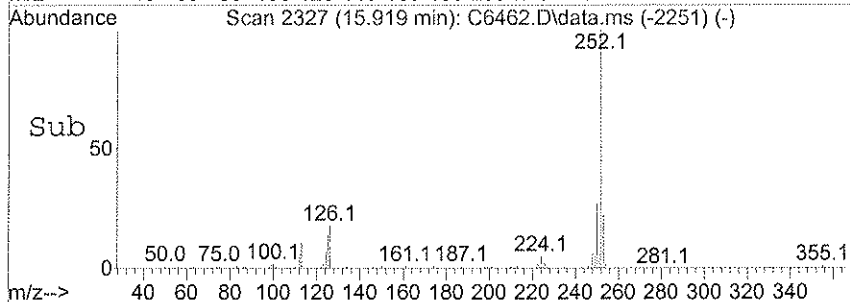
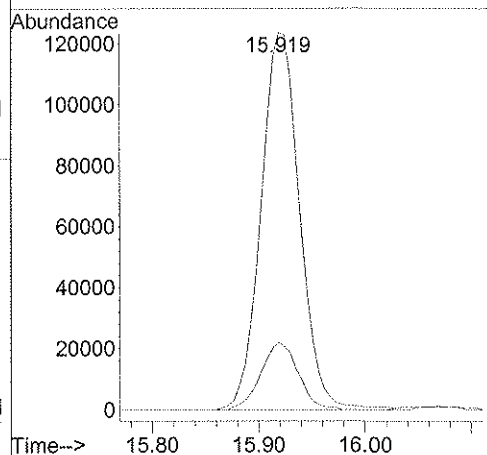
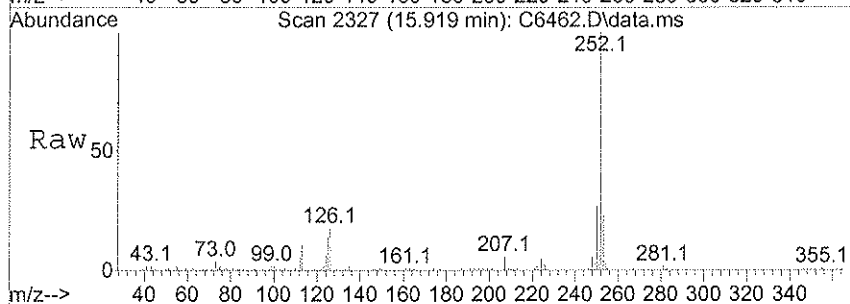
Tgt Ion: 252 Resp: 382380  
 Ion Ratio Lower Upper  
 252 100  
 126 17.3 14.5 21.7





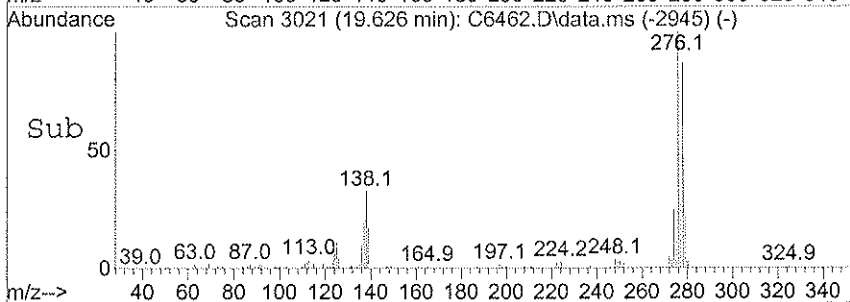
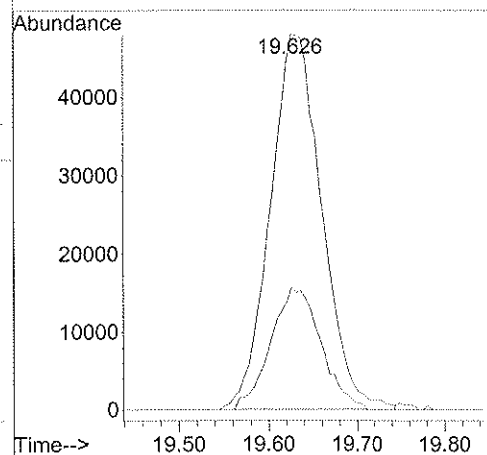
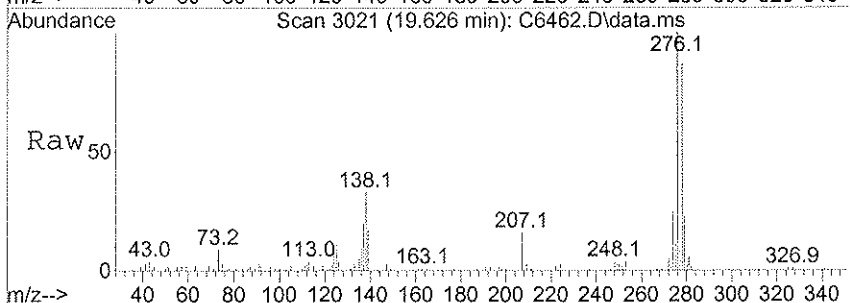
#81  
 Benzo (a) pyrene  
 Concen: 33.31 ug/ml  
 RT: 15.919 min Scan# 2327  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

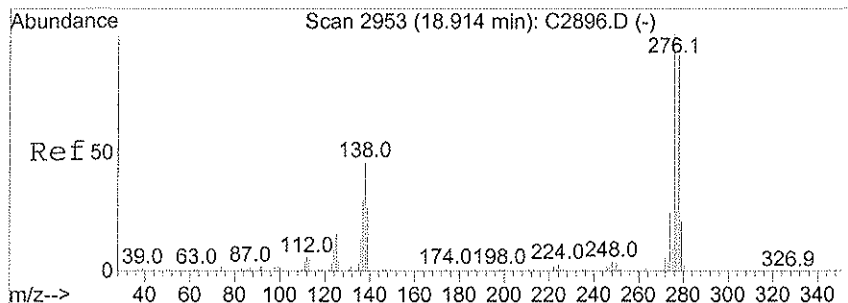
Tgt Ion	Resp	Lower	Upper
252	100		
126	17.8	13.9	20.9



#82  
 Indeno (1,2,3-cd) pyrene  
 Concen: 37.84 ug/ml  
 RT: 19.626 min Scan# 3021  
 Delta R.T. 0.006 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

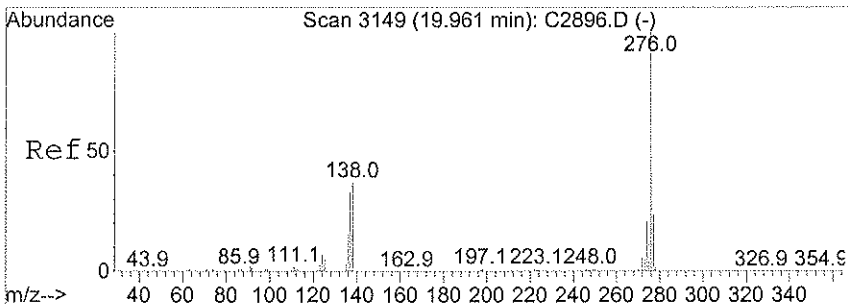
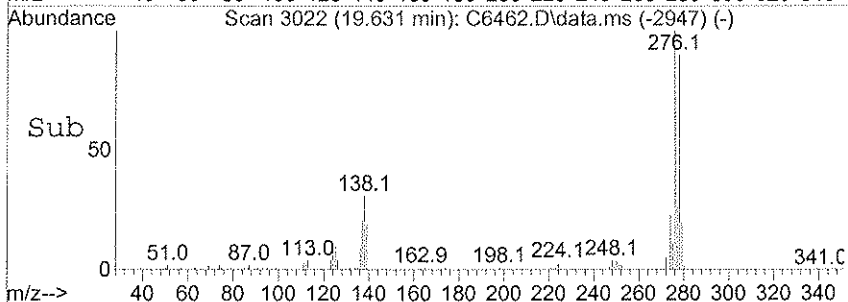
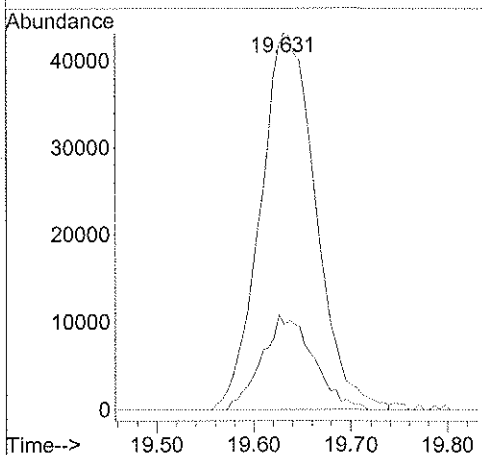
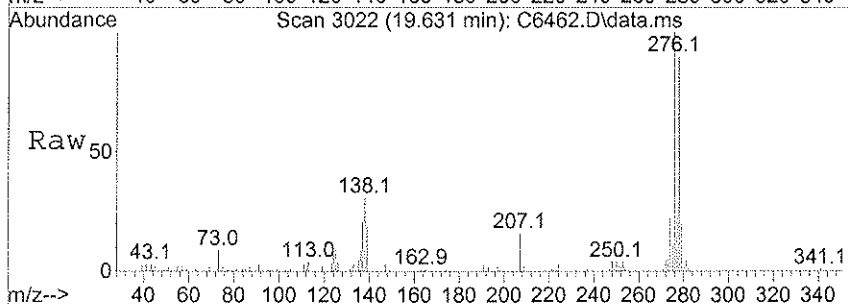
Tgt Ion	Resp	Lower	Upper
276	100		
138	32.6	23.0	34.6





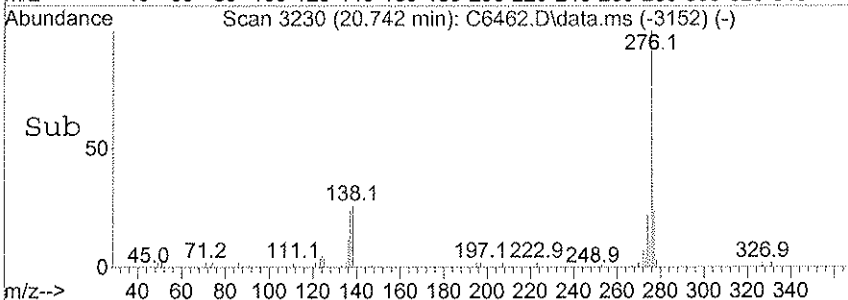
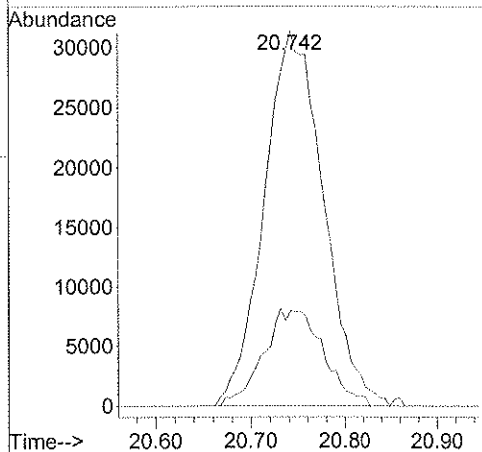
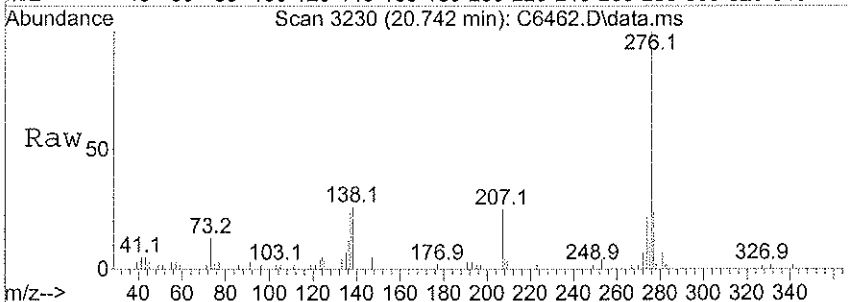
#83  
 Dibenz (a, h) anthracene  
 Concen: 38.57 ug/ml  
 RT: 19.631 min Scan# 3022  
 Delta R.T. 0.000 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion	Resp	Lower	Upper
278	171506		
278	100		
279	22.4	16.7	25.1



#84  
 Benzo (g, h, i) perylene  
 Concen: 36.29 ug/ml  
 RT: 20.742 min Scan# 3230  
 Delta R.T. 0.016 min  
 Lab File: C6462.D  
 Acq: 23 Apr 2012 6:08 pm

Tgt Ion	Resp	Lower	Upper
276	137250		
276	100		
138	25.5	17.4	26.0



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSDSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6463Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
	Cresols	36.3	
50-32-8	Benzo(a)pyrene	32.9	
51-28-5	2,4-Dinitrophenol	ND	U
53-70-3	Dibenz(a,h)anthracene	38.5	
56-55-3	Benzo(a)anthracene	30.9	
58-90-2	2,3,4,6-Tetrachlorophenol	45.1	
59-50-7	4-Chloro-3-methylphenol	26.6	
62-53-3	Aniline	13.9	
62-75-9	N-Nitrosodimethylamine	ND	U
65-85-0	Benzoic acid	41.7	
67-72-1	Hexachloroethane	16.6	
77-47-4	Hexachlorocyclopentadiene	24.8	
78-59-1	Isophorone	27.0	
83-32-9	Acenaphthene	26.6	
84-66-2	Diethyl phthalate	30.6	
84-74-2	Di-n-butyl phthalate	30.6	
85-01-8	Phenanthrene	29.6	
85-68-7	Butyl benzyl phthalate	29.4	
86-30-6	N-Nitrosodiphenylamine	35.1	
86-73-7	Fluorene	28.8	
86-74-8	Carbazole	31.9	
87-68-3	Hexachlorobutadiene	17.2	
87-86-5	Pentachlorophenol	51.0	
88-06-2	2,4,6-Trichlorophenol	28.9	
88-74-4	2-Nitroaniline	30.5	
88-75-5	2-Nitrophenol	19.4	
91-20-3	Naphthalene	19.5	
91-57-6	2-Methylnaphthalene	21.3	
91-58-7	2-Chloronaphthalene	23.0	
91-94-1	3,3'-Dichlorobenzidine	ND	U
92-87-5	Benzidine	ND	U
95-48-7	2-Methylphenol	18.5	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA

SDG No: \_\_\_\_\_

Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSDSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6463Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
95-50-1	1,2-Dichlorobenzene	16.1	
95-57-8	2-Chlorophenol	16.6	
95-95-4	2,4,5-Trichlorophenol	33.3	
98-95-3	Nitrobenzene	18.6	
99-09-2	3-Nitroaniline	20.5	
100-01-6	4-Nitroaniline	26.6	
100-02-7	4-Nitrophenol	18.9	J
100-51-6	Benzyl alcohol	17.9	
101-55-3	4-Bromophenyl phenyl ether	29.1	
105-67-9	2,4-Dimethylphenol	21.6	
106-44-5	3+4-Methylphenol	17.8	
106-46-7	1,4-Dichlorobenzene	16.3	
106-47-8	4-Chloroaniline	16.7	
108-60-1	bis(2-Chloroisopropyl)ether	17.5	
108-95-2	Phenol	7.67	
110-86-1	Pyridine	3.78	J
111-44-4	bis(2-Chloroethyl)ether	16.7	
111-91-1	bis(2-Chloroethoxy)methane	19.5	
117-81-7	bis(2-Ethylhexyl)phthalate	29.2	
117-84-0	Di-n-octyl phthalate	26.6	
118-74-1	Hexachlorobenzene	28.9	
120-12-7	Anthracene	30.3	
120-82-1	1,2,4-Trichlorobenzene	17.7	
120-83-2	2,4-Dichlorophenol	23.6	
121-14-2	2,4-Dinitrotoluene	32.2	
122-66-7	1,2-Diphenylhydrazine	26.3	
129-00-0	Pyrene	29.1	
131-11-3	Dimethyl phthalate	29.3	
132-64-9	Dibenzofuran	27.3	
191-24-2	Benzo(g,h,i)perylene	36.1	
193-39-5	Indeno(1,2,3-cd)pyrene	37.7	
205-99-2	Benzo(b)fluoranthene	30.7	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQS Case No.: NASAS No: NA SDG No: \_\_\_\_\_Matrix: (Soil/Water) WaterLab Sample ID: 1204168-09MSDSample wt/vol: 1000 (g/mL) mLLab File ID: C2854-6463Level: (Low/Med) LowDate Received: 04/12/12% Moisture: 100 decanted:(Y/N) NDate Extracted: 04/13/12Concentrated Extract Volume: 1000 uLDate Analyzed: 04/23/12Injection Volume: 0.5 (uL)Dilution Factor: 1GPC Cleanup:(Y/N) N pH: \_\_\_\_\_UNITS: ug/L

CAS NO.	COMPOUND NAME	CONCENTRATION	Q
206-44-0	Fluoranthene	30.9	
207-08-9	Benzo(k)fluoranthene	30.9	
208-96-8	Acenaphthylene	25.9	
218-01-9	Chrysene	29.7	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
541-73-1	1,3-Dichlorobenzene	15.7	
606-20-2	2,6-Dinitrotoluene	31.0	
621-64-7	N-Nitrosodi-n-propylamine	19.8	
7005-72-3	4-Chlorophenyl phenyl ether	28.2	

Data Path : U:\DATA\C\C2854\  
 Data File : C6463.D  
 Acq On : 23 Apr 2012 6:37 pm  
 Operator : JK  
 Sample : 1204168-09MSDMSD  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 24 09:23:00 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.454	152	207520	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.672	136	846221	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.456	164	467215	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.973	188	803516	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.017	240	639825	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.072	264	309532	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.402	112	425099	57.81	ug/ml	0.00
Spiked Amount	200.000	Range	21 - 110	Recovery	=	28.91%
5) Phenol-d6 (surr)	5.102	99	420050	43.15	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	21.57%
20) Nitrobenzene-d5 (surr)	5.988	82	444168	50.26	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	50.26%
38) 2-Fluorobiphenyl (surr)	7.724	172	1159368	62.78	ug/ml	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	62.78%
59) 2,4,6-Tribromophenol ...	9.278	330	359816	208.12	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	104.06%
71) Terphenyl-d14 (surr)	11.564	244	1736152	86.26	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	86.26%
Target Compounds						
3) Pyridine	3.547	79	36174	3.78	ug/ml	92
6) Phenol	5.112	94	88682	7.67	ug/ml	98
7) Aniline	5.192	66	52507	13.90	ug/ml#	65
8) bis(2-Chloroethyl)ether	5.192	63	116686	16.72	ug/ml	99
9) 2-Chlorophenol	5.305	128	138788	16.65	ug/ml	96
10) 1,3-Dichlorobenzene	5.427	146	141349	15.74	ug/ml	97
11) 1,4-Dichlorobenzene	5.470	146	147193	16.30	ug/ml	93
12) Benzyl alcohol	5.561	108	86192	17.85	ug/ml	100
13) 1,2-Dichlorobenzene	5.652	146	138795	16.13	ug/ml	98
14) 2-Methylphenol	5.646	108	138319	18.53	ug/ml	95
15) bis(2-Chloroisopropyl)...	5.673	45	230809	17.47	ug/ml	98
16) 4-Methylphenol	5.775	108	135533	17.81	ug/ml	86
17) N-Nitrosodi-n-propylamine	5.807	70	122020	19.75	ug/ml	99
18) Hexachloroethane	5.935	117	53654	16.58	ug/ml	99
21) Nitrobenzene	6.004	123	73953	18.56	ug/ml	99
22) Isophorone	6.197	82	374484	26.99	ug/ml	99
23) 2-Nitrophenol	6.309	139	73963	19.41	ug/ml	99
24) 2,4-Dimethylphenol	6.282	122	169614	21.65	ug/ml	98
25) Benzoic acid	6.357	105	27145	41.71	ug/ml	98
26) bis(2-Chloroethoxy)met...	6.362	93	193181	19.55	ug/ml	99

Data Path : U:\DATA\C\C2854\  
 Data File : C6463.D  
 Acq On : 23 Apr 2012 6:37 pm  
 Operator : JK  
 Sample : 1204168-09MSDMSD  
 Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 24 09:23:00 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
27) 2,4-Dichlorophenol	6.528	162	149099	23.58	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.618	180	123627	17.73	ug/ml	97
29) Naphthalene	6.693	128	461376	19.55	ug/ml	98
30) 4-Chloroaniline	6.736	127	146217	16.67	ug/ml	95
31) Hexachlorobutadiene	6.827	225	70296	17.24	ug/ml	99
32) 4-Chloro-3-methylphenol	7.179	107	188473	26.63	ug/ml	96
33) 2-Methylnaphthalene	7.366	142	346466	21.33	ug/ml	99
35) Hexachlorocyclopentadiene	7.574	237	26163	24.79	ug/ml	98
36) 2,4,6-Trichlorophenol	7.665	196	116750	28.93	ug/ml	96
37) 2,4,5-Trichlorophenol	7.719	196	139509	33.28	ug/ml	97
39) 2-Chloronaphthalene	7.868	162	336004	23.03	ug/ml	98
40) 2-Nitroaniline	7.991	65	132436	30.45	ug/ml	97
41) Dimethylphthalate	8.135	163	488794	29.29	ug/ml	97
42) 2,6-Dinitrotoluene	8.242	165	101807	31.04	ug/ml	90
43) Acenaphthylene	8.312	152	613453	25.93	ug/ml	99
44) 3-Nitroaniline	8.408	138	74675	20.53	ug/ml	90
45) Acenaphthene	8.493	154	370205	26.63	ug/ml	98
47) 4-Nitrophenol	8.552	65	38209	18.88	ug/ml	97
48) 2,4-Dinitrotoluene	8.648	165	143265	32.19	ug/ml	97
49) Dibenzofuran	8.648	168	561419	27.31	ug/ml	97
50) 2,3,4,6-Tetrachlorophenol	8.808	232	91161	45.08	ug/ml	95
51) Diethylphthalate	8.835	149	526201	30.62	ug/ml	99
52) Fluorene	9.001	166	479804	28.75	ug/ml	100
53) 4-Chlorophenyl phenyl ...	8.952	204	221391	28.22	ug/ml	100
54) 4-Nitroaniline	9.049	138	92944	26.64	ug/ml	97
56) 4,6-Dinitro-2-methylph...	9.070	198	17444	106.03	ug/ml	90
57) N-Nitrosodiphenylamine	9.075	169	422639	35.06	ug/ml	97
58) 1,2-Diphenylhydrazine	9.113	77	520340	26.34	ug/ml	99
60) 4-Bromophenyl phenyl e...	9.455	248	126526	29.09	ug/ml	99
61) Hexachlorobenzene	9.652	284	129427	28.92	ug/ml	97
62) Pentachlorophenol	9.828	266	36387	50.98	ug/ml	97
63) Phenanthrene	9.999	178	684777	29.63	ug/ml	100
64) Anthracene	10.042	178	694734	30.27	ug/ml	100
65) Carbazole	10.197	167	641356	31.91	ug/ml	99
66) Di-n-butylphthalate	10.464	149	946215	30.57	ug/ml	100
67) Fluoranthene	11.233	202	765565	30.92	ug/ml	96
70) Pyrene	11.484	202	755824	29.12	ug/ml	94
72) Butylbenzylphthalate	12.077	149	403825	29.40	ug/ml	96
74) bis(2-Ethylhexyl)phtha...	12.793	149	581592	29.24	ug/ml	99
75) Benzo(a)anthracene	12.985	228	574631	30.87	ug/ml	100
76) Chrysene	13.060	228	517866	29.68	ug/ml	96
78) Di-n-octylphthalate	13.808	149	919661	26.57	ug/ml	99
79) Benzo(b)fluoranthene	15.079	252	377701	30.68	ug/ml	96



Data Path : U:\DATA\C\C2854\  
Data File : C6463.D  
Acq On : 23 Apr 2012 6:37 pm  
Operator : JK  
Sample : 1204168-09MSDMSD  
Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
ALS Vial : 15 Sample Multiplier: 1

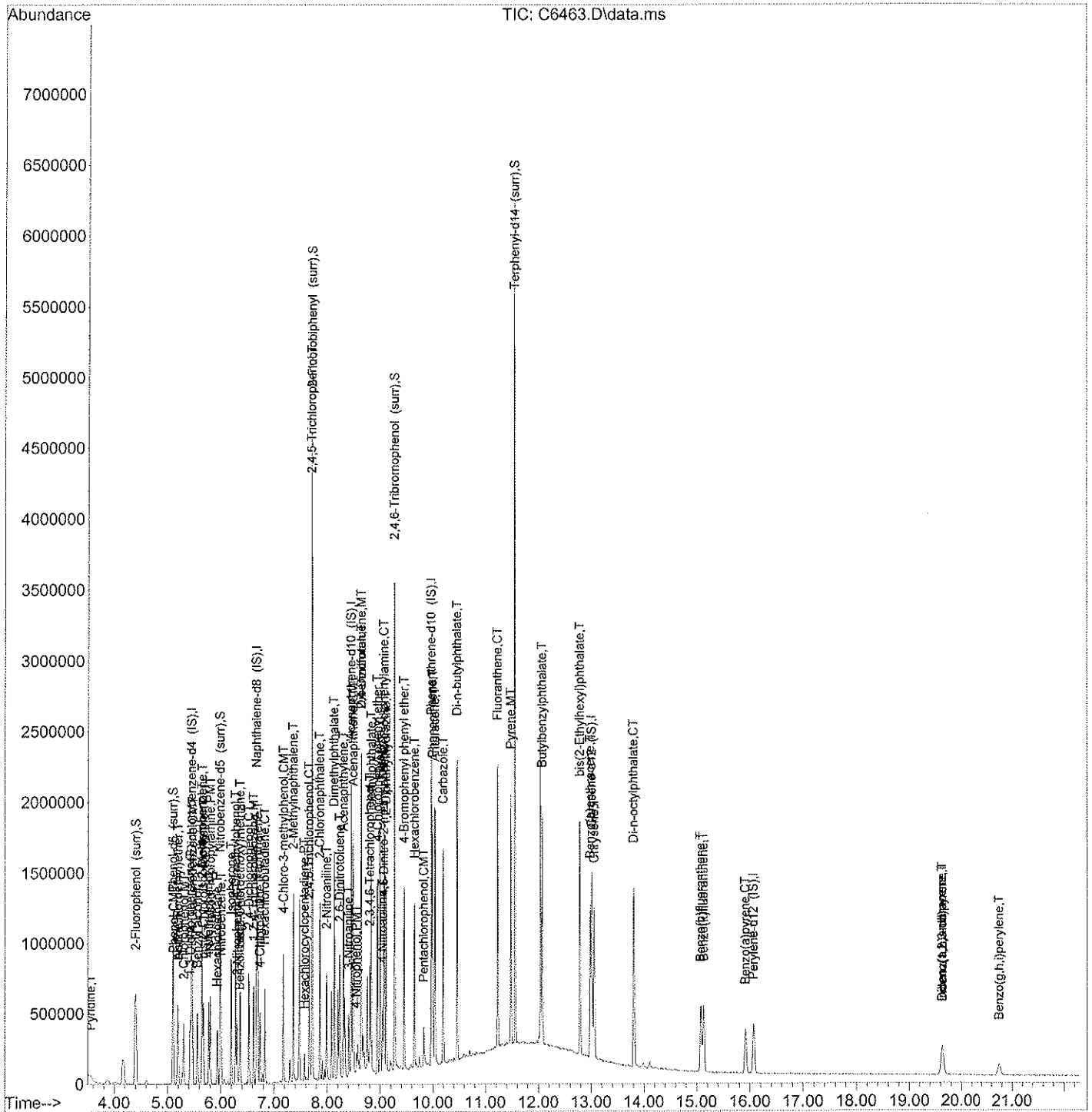
Quant Time: Apr 24 09:23:00 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Mon Apr 23 14:26:18 2012  
Response via : Initial Calibration

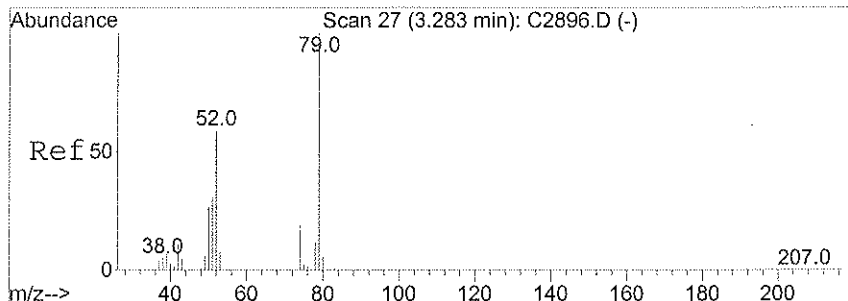
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(k)fluoranthene	15.132	252	356680	30.88	ug/ml	98
81) Benzo(a)pyrene	15.923	252	284979	32.92	ug/ml	98
82) Indeno(1,2,3-cd)pyrene	19.640	276	178163	37.74	ug/ml	96
83) Dibenz(a,h)anthracene	19.635	278	157924	38.46	ug/ml	98
84) Benzo(g,h,i)perylene	20.746	276	126184	36.14	ug/ml#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
Data File : C6463.D  
Acq On : 23 Apr 2012 6:37 pm  
Operator : JK  
Sample : 1204168-09MSDMSD  
Misc : 04/13/12 ;1;L;1000;1.00; C2854 8270A  
ALS Vial : 15 Sample Multiplier: 1

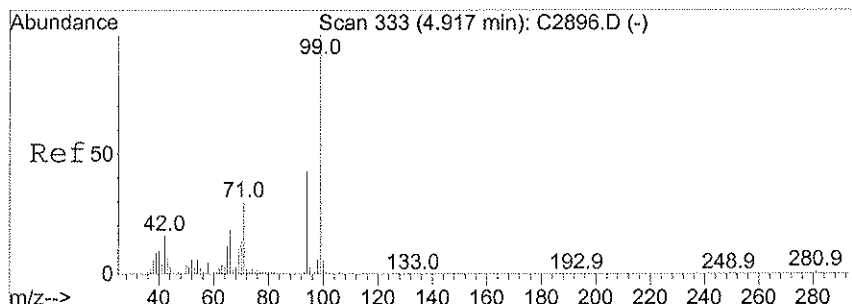
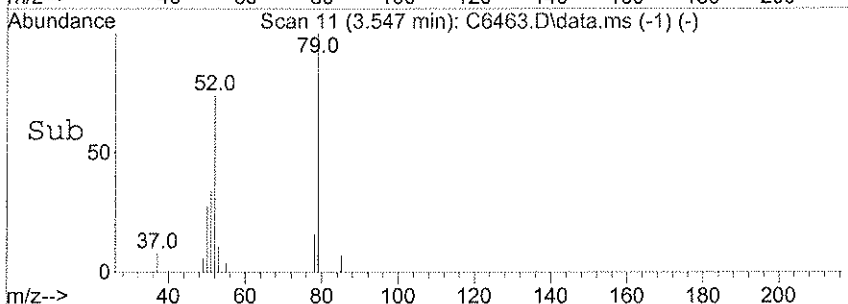
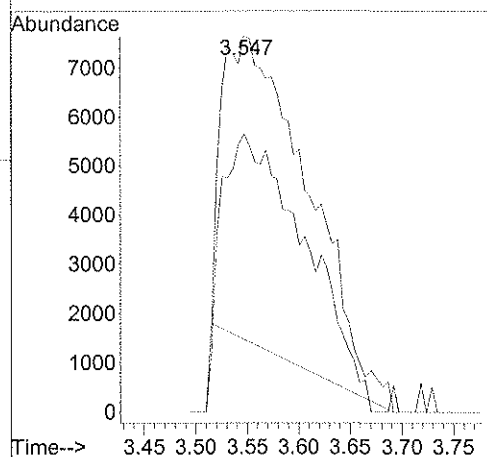
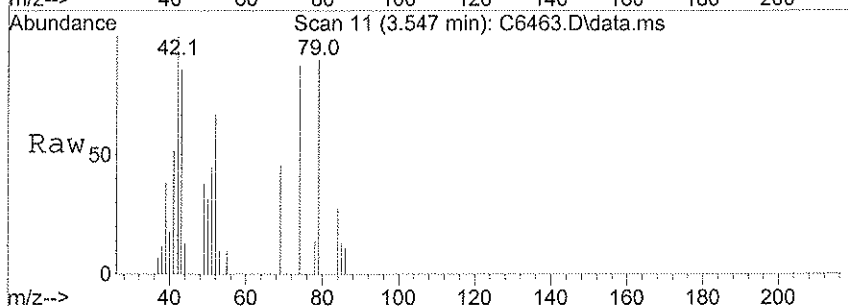
Quant Time: Apr 24 09:23:00 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Mon Apr 23 14:26:18 2012  
Response via : Initial Calibration





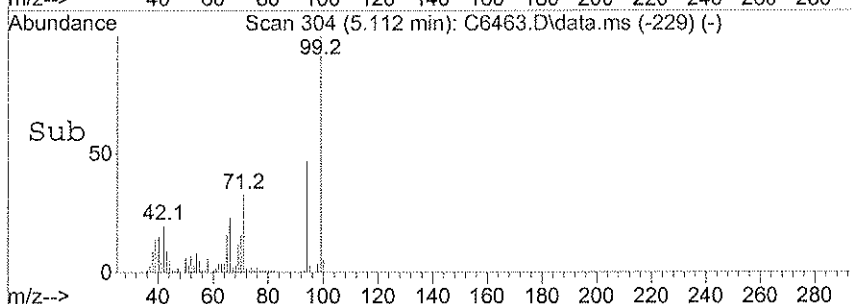
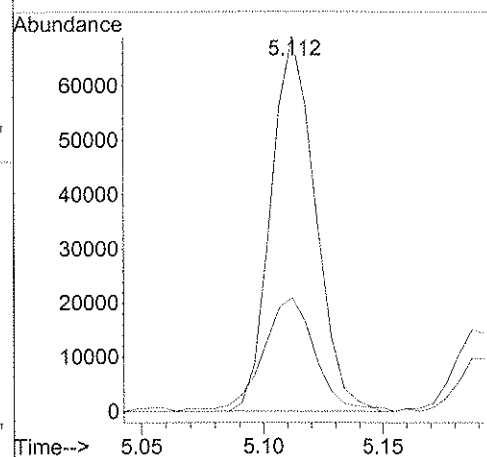
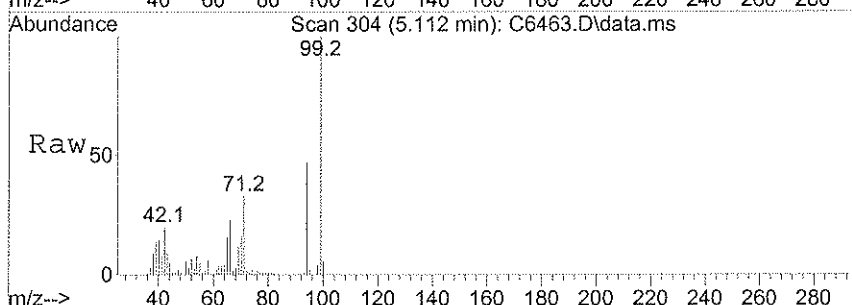
#3  
 Pyridine  
 Concen: 3.78 ug/ml  
 RT: 3.547 min Scan# 11  
 Delta R.T. 0.020 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

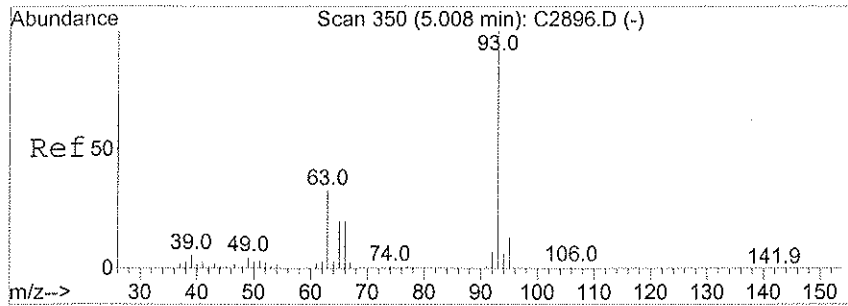
Tgt Ion	Resp	Lower	Upper
79	36174		
52	73.7	54.1	81.1



#6  
 Phenol  
 Concen: 7.67 ug/ml  
 RT: 5.112 min Scan# 304  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

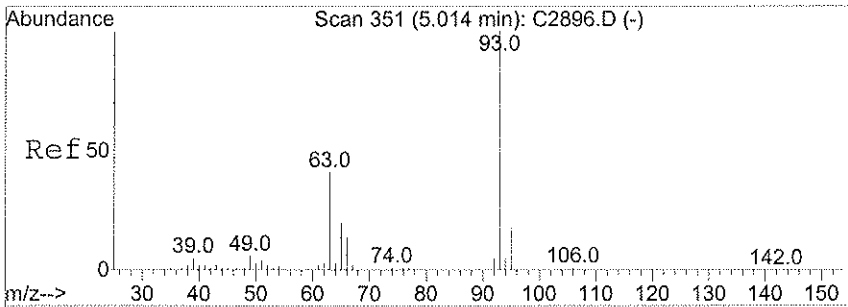
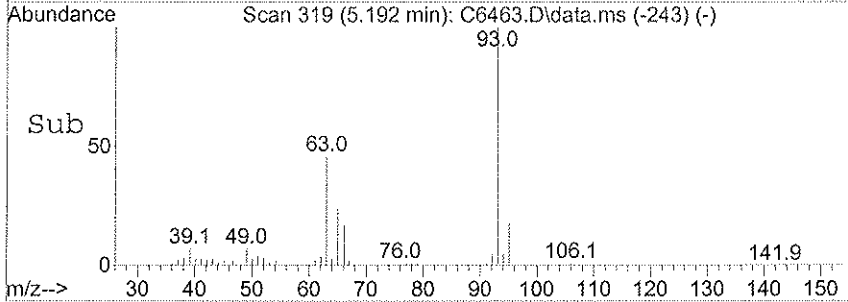
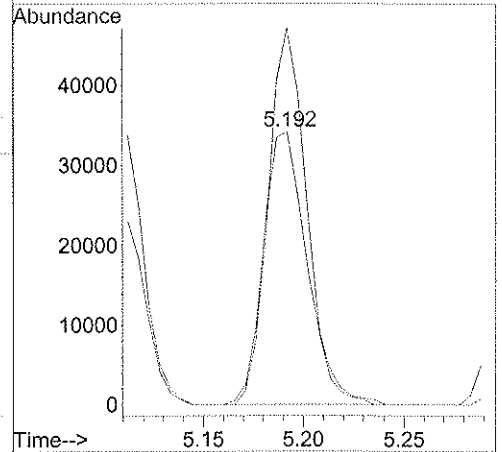
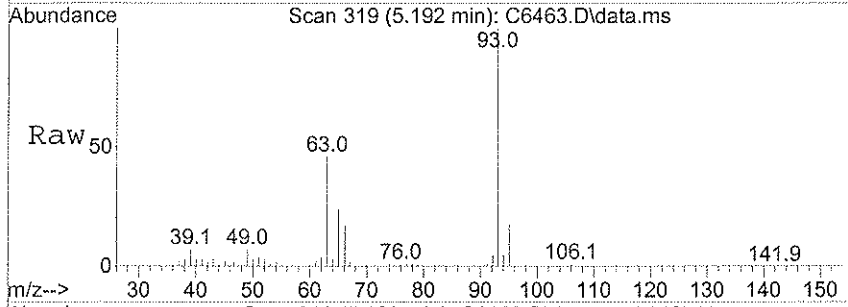
Tgt Ion	Resp	Lower	Upper
94	88682		
39	30.2	20.2	37.6





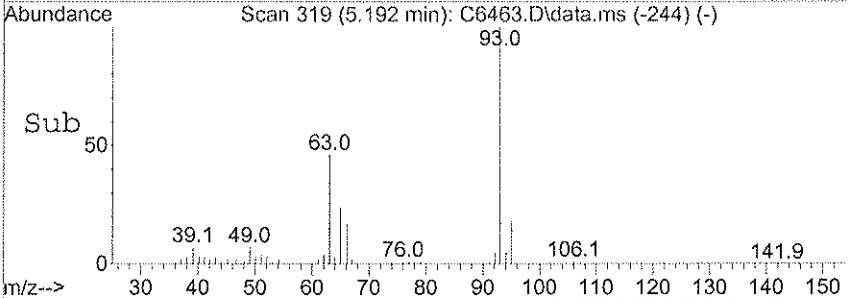
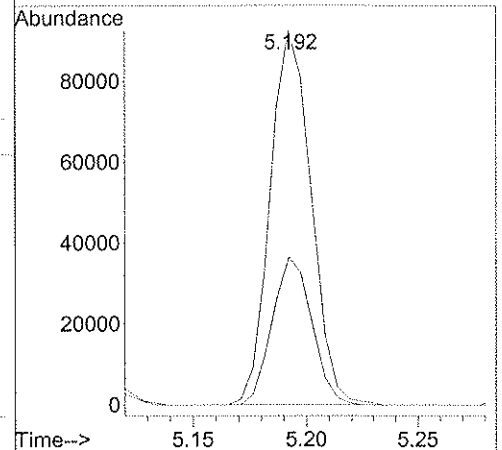
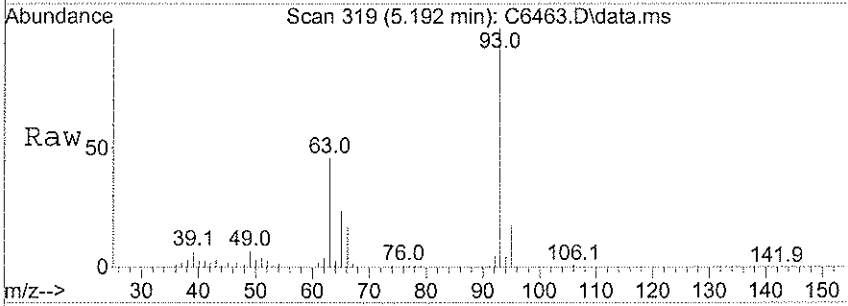
#7  
 Aniline  
 Concen: 13.90 ug/ml  
 RT: 5.192 min Scan# 319  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

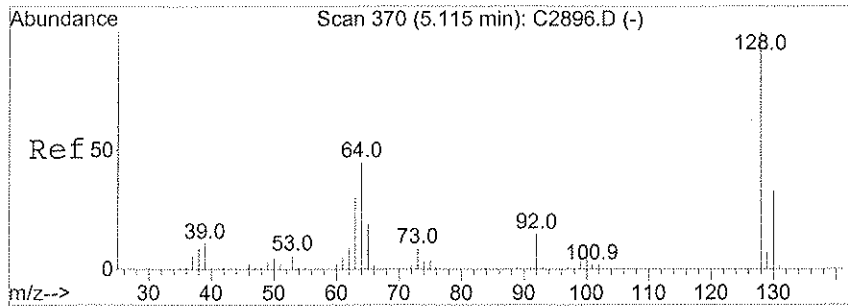
Tgt Ion	Resp	Lower	Upper
66	52507		
66	100		
65	138.0	81.8	122.8#



#8  
 bis(2-Chloroethyl) ether  
 Concen: 16.72 ug/ml  
 RT: 5.192 min Scan# 319  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

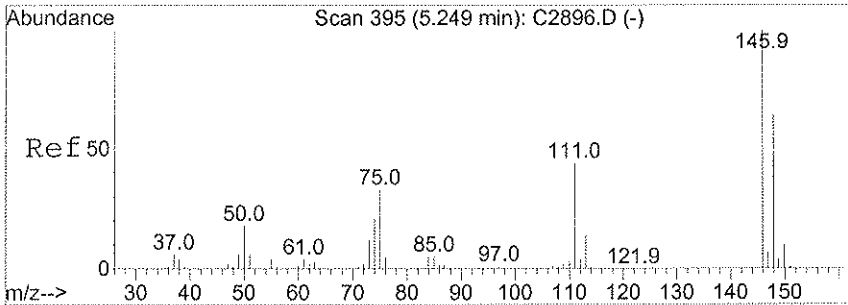
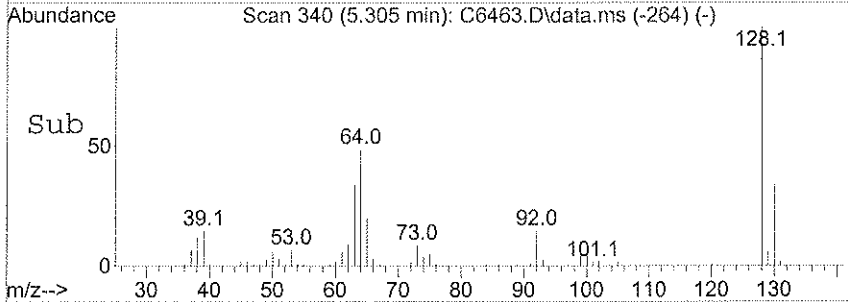
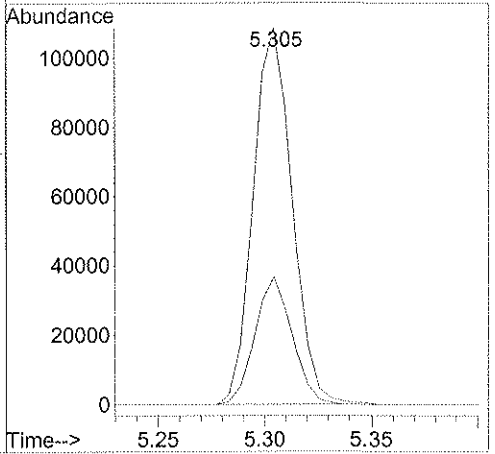
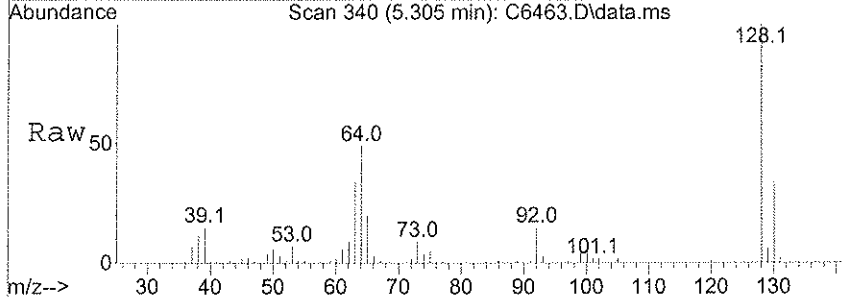
Tgt Ion	Resp	Lower	Upper
63	116686		
63	100		
95	39.3	31.8	47.8





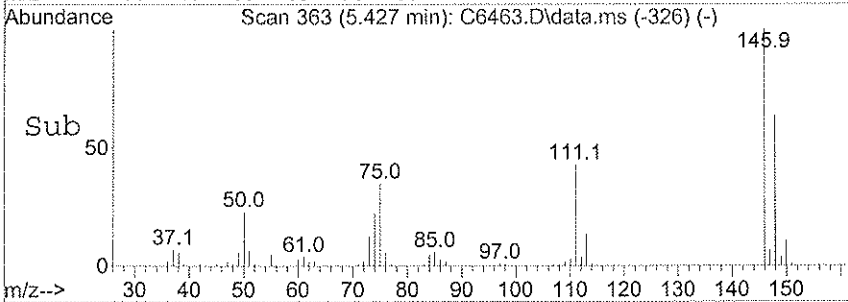
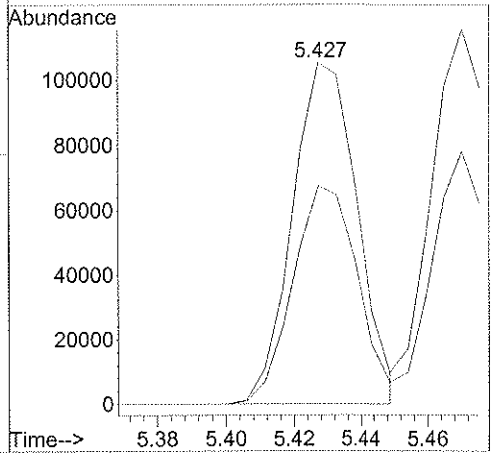
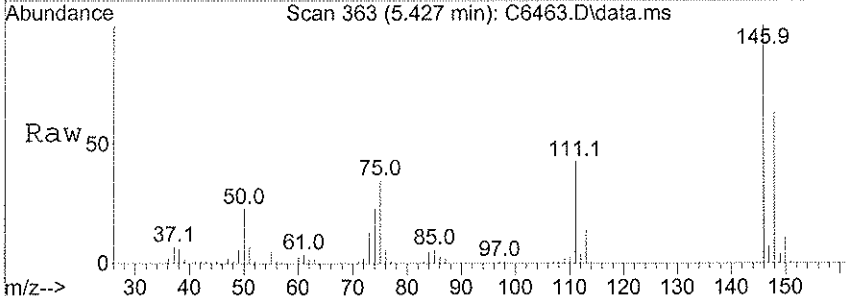
#9  
 2-Chlorophenol  
 Concen: 16.65 ug/ml  
 RT: 5.305 min Scan# 340  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

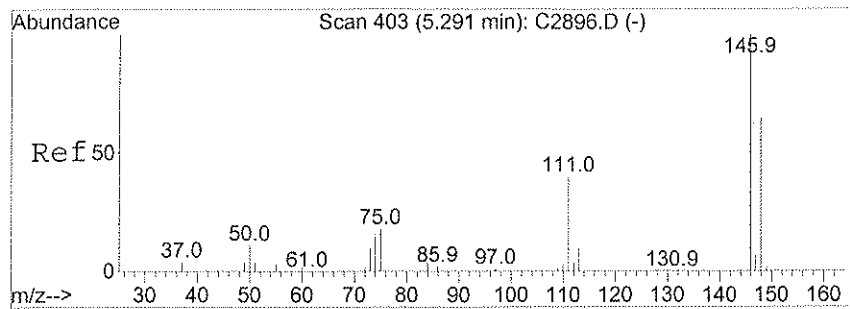
Tgt Ion:128 Resp: 138788  
 Ion Ratio Lower Upper  
 128 100  
 130 33.7 25.3 37.9



#10  
 1,3-Dichlorobenzene  
 Concen: 15.74 ug/ml  
 RT: 5.427 min Scan# 363  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

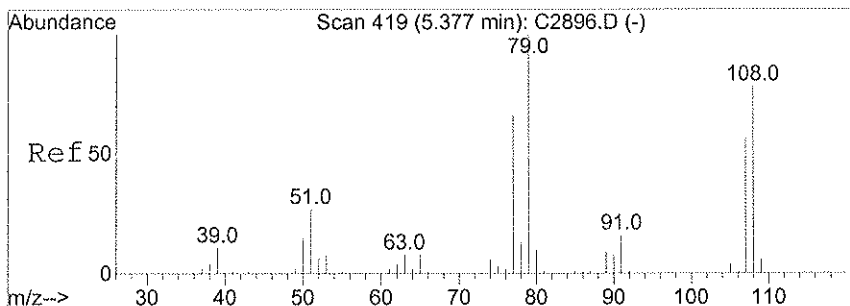
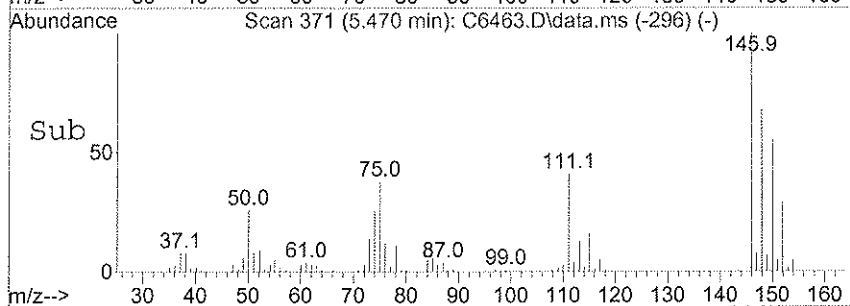
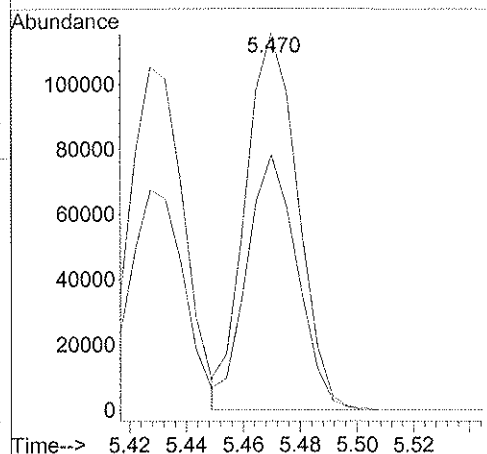
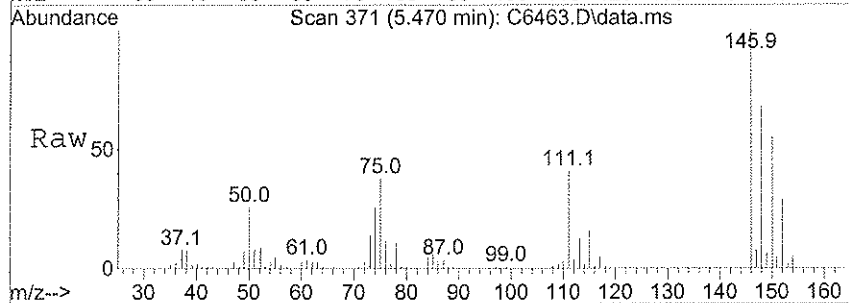
Tgt Ion:146 Resp: 141349  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 49.6 74.4





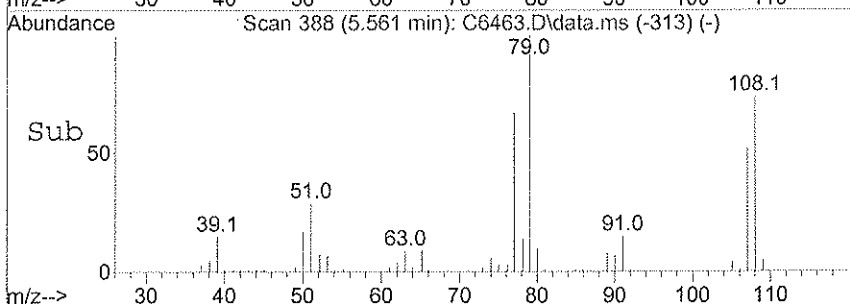
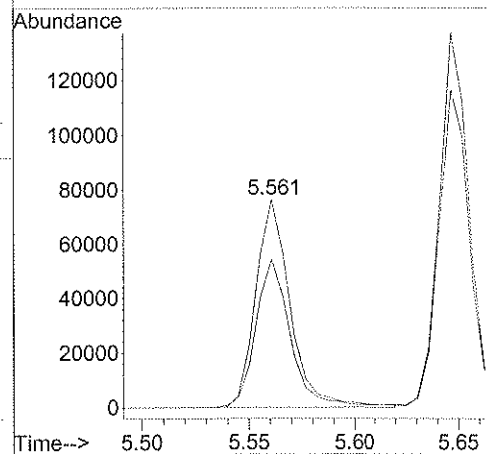
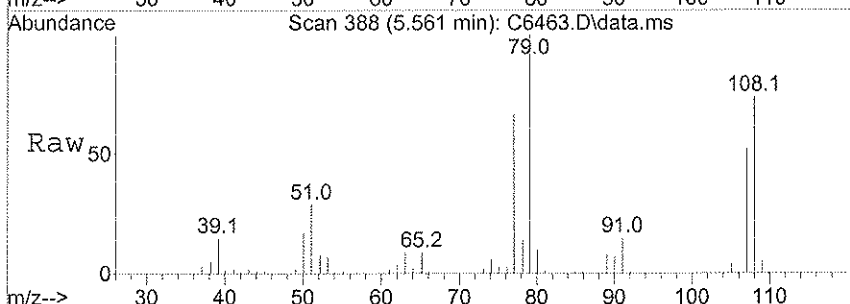
#11  
 1,4-Dichlorobenzene  
 Concen: 16.30 ug/ml  
 RT: 5.470 min Scan# 371  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

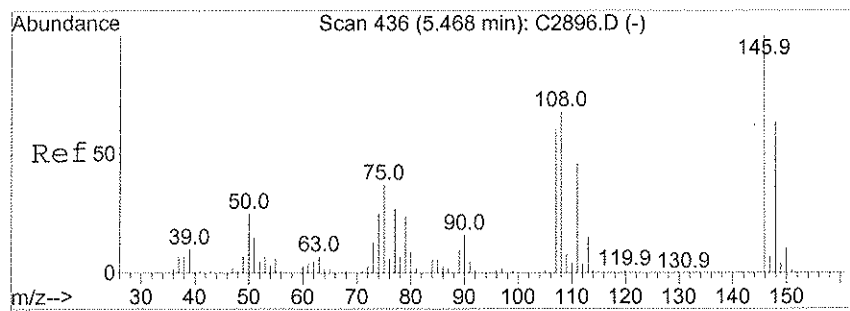
Tgt Ion:146 Resp: 147193  
 Ion Ratio Lower Upper  
 146 100  
 148 67.6 49.9 74.9



#12  
 Benzyl alcohol  
 Concen: 17.85 ug/ml  
 RT: 5.561 min Scan# 388  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

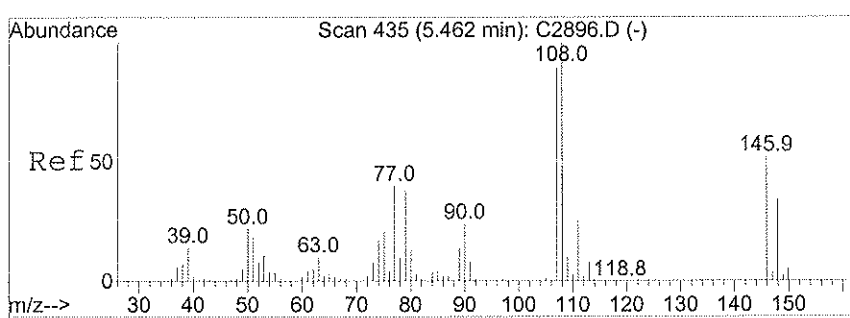
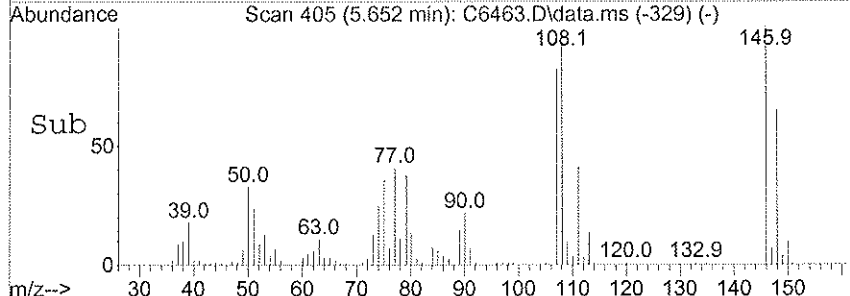
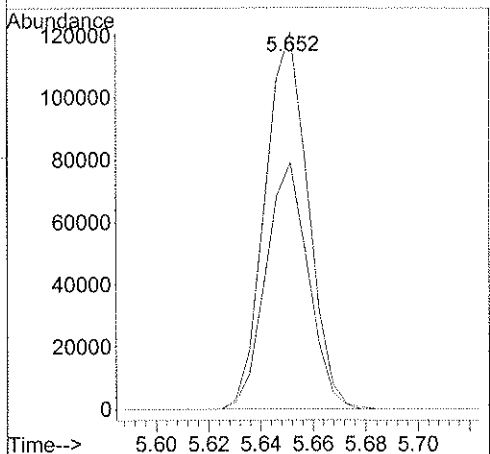
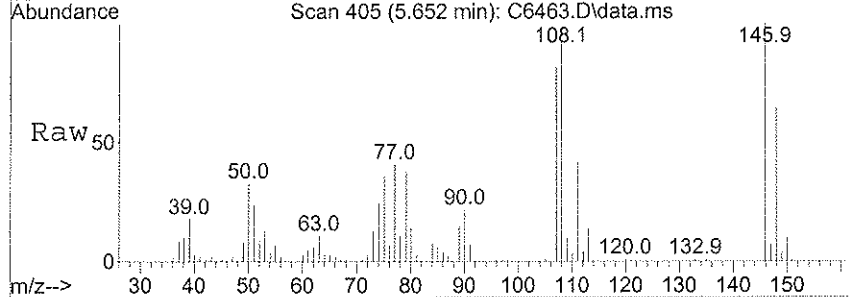
Tgt Ion:108 Resp: 86192  
 Ion Ratio Lower Upper  
 108 100  
 107 71.1 57.2 85.8





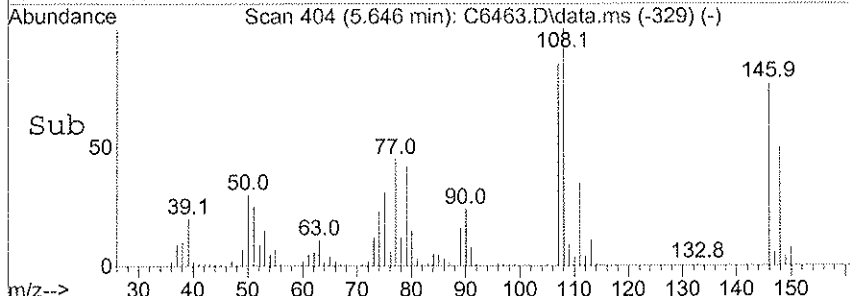
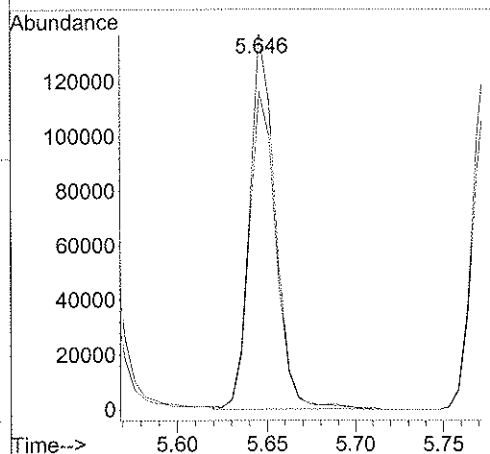
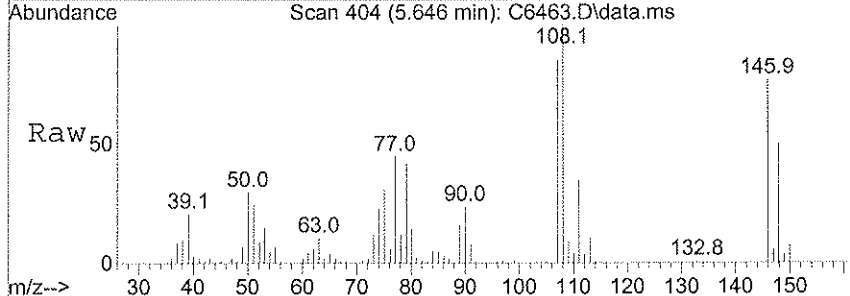
#13  
 1,2-Dichlorobenzene  
 Concen: 16.13 ug/ml  
 RT: 5.652 min Scan# 405  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

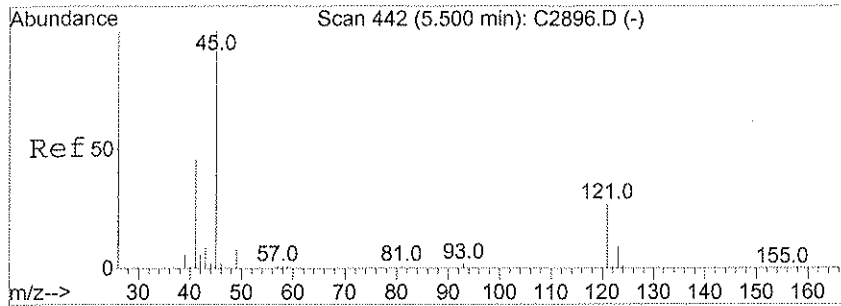
Tgt Ion:146 Resp: 138795  
 Ion Ratio Lower Upper  
 146 100  
 148 65.3 51.3 76.9



#14  
 2-Methylphenol  
 Concen: 18.53 ug/ml  
 RT: 5.646 min Scan# 404  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

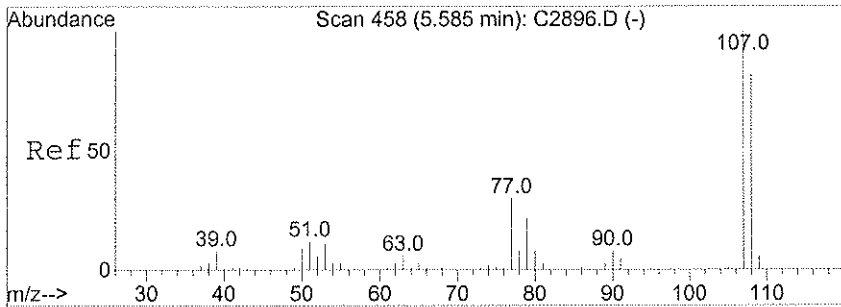
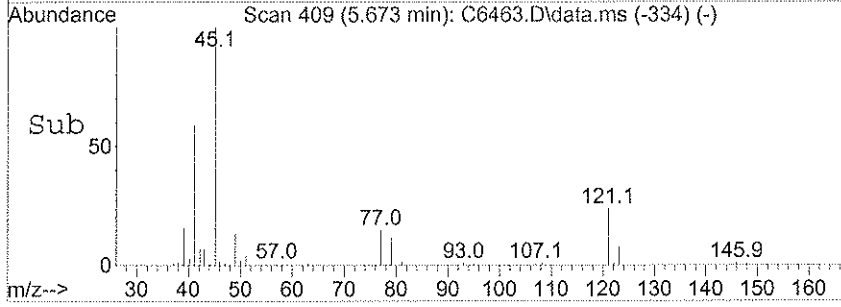
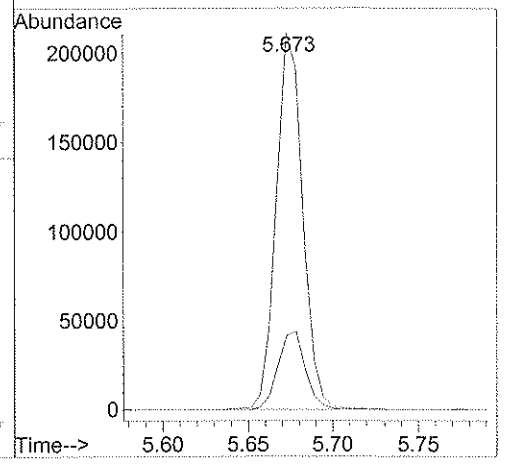
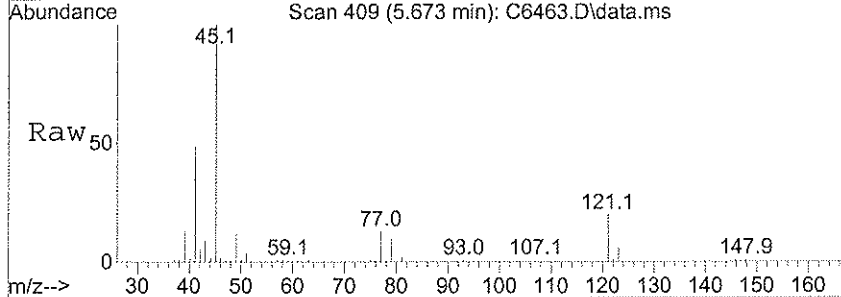
Tgt Ion:108 Resp: 138319  
 Ion Ratio Lower Upper  
 108 100  
 107 84.9 71.8 107.8





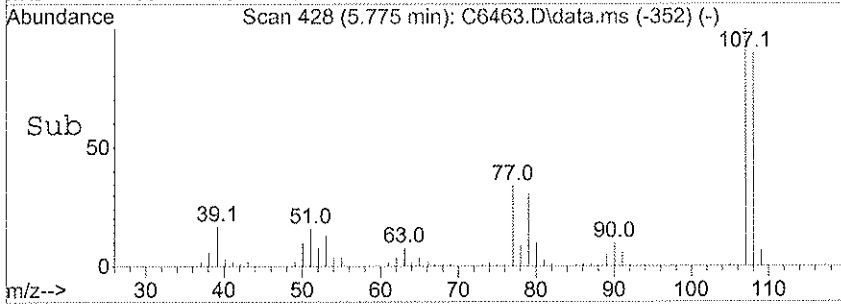
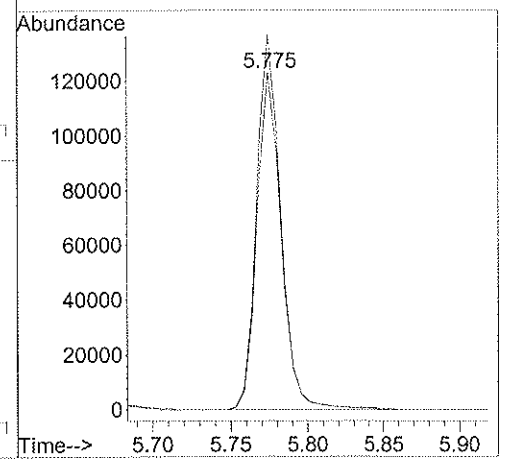
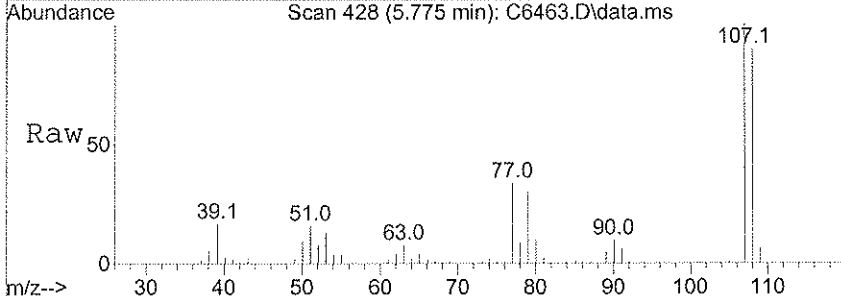
#15  
 bis(2-Chloroisopropyl) ether  
 Concen: 17.47 ug/ml  
 RT: 5.673 min Scan# 409  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
45	100		
121	19.9	12.4	29.0

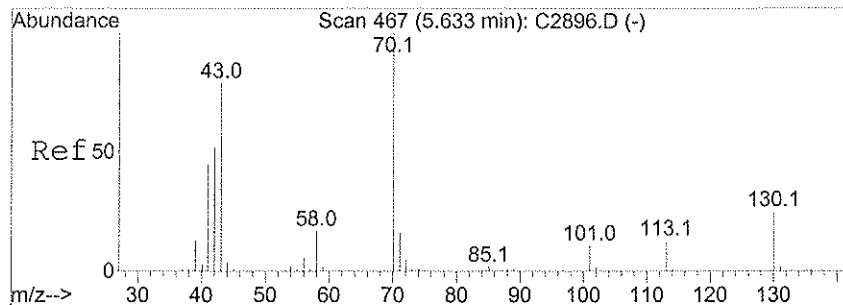


#16  
 4-Methylphenol  
 Concen: 17.81 ug/ml  
 RT: 5.775 min Scan# 428  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
108	100		
107	111.2	101.8	152.6

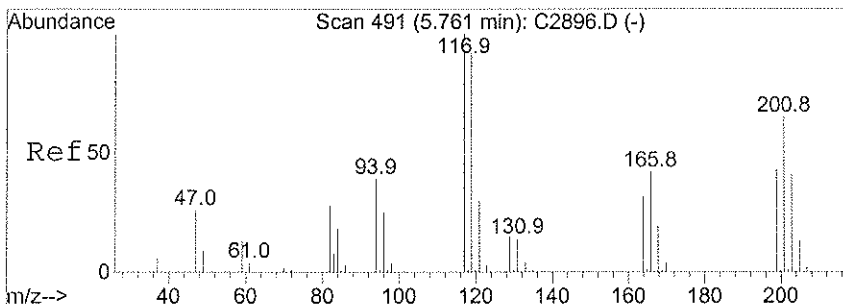
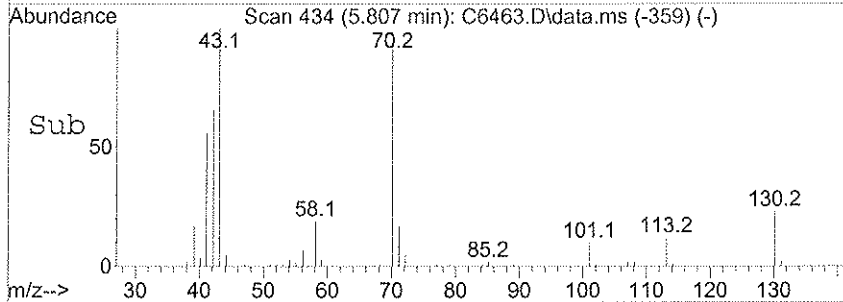
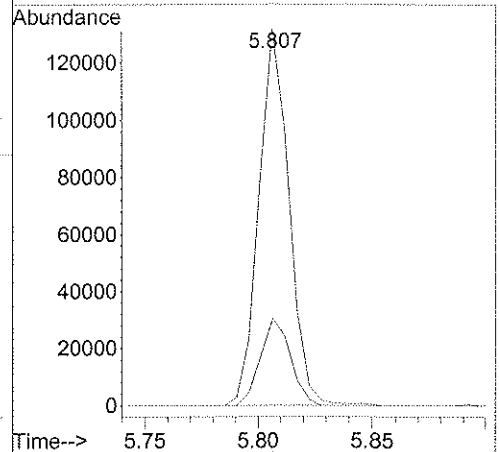
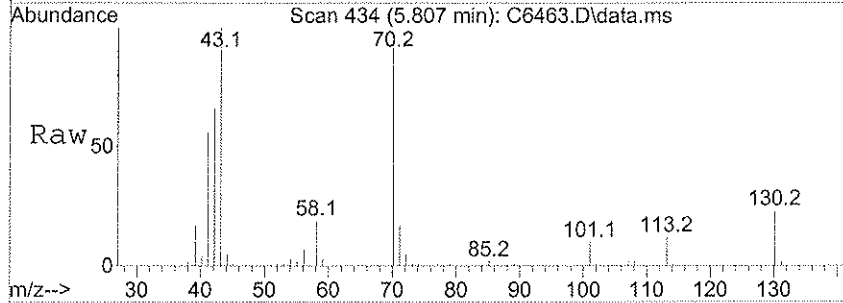






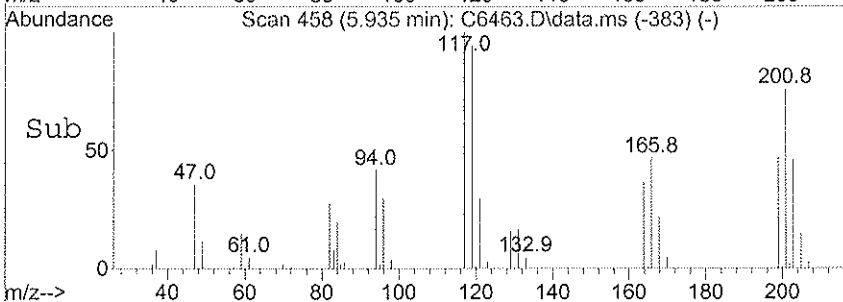
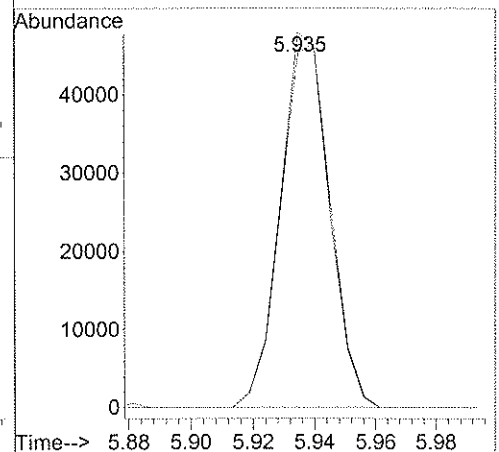
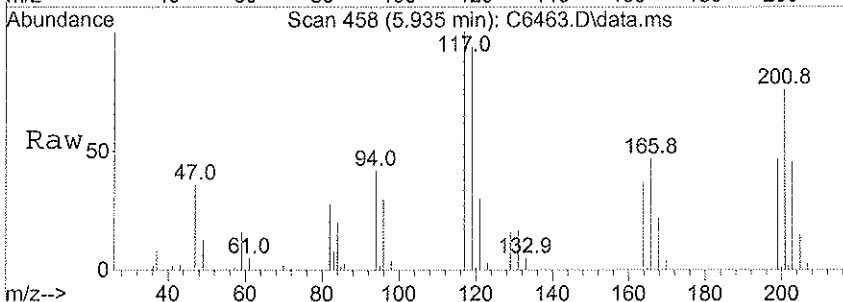
#17  
 N-Nitrosodi-n-propylamine  
 Concen: 19.75 ug/ml  
 RT: 5.807 min Scan# 434  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

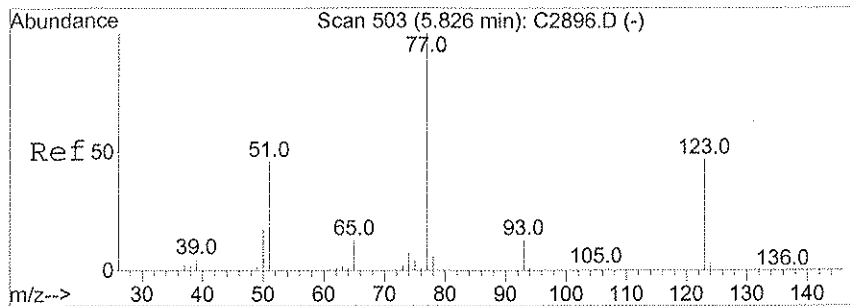
Tgt Ion: 70 Resp: 122020  
 Ion Ratio Lower Upper  
 70 100  
 130 23.2 19.0 28.4



#18  
 Hexachloroethane  
 Concen: 16.58 ug/ml  
 RT: 5.935 min Scan# 458  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

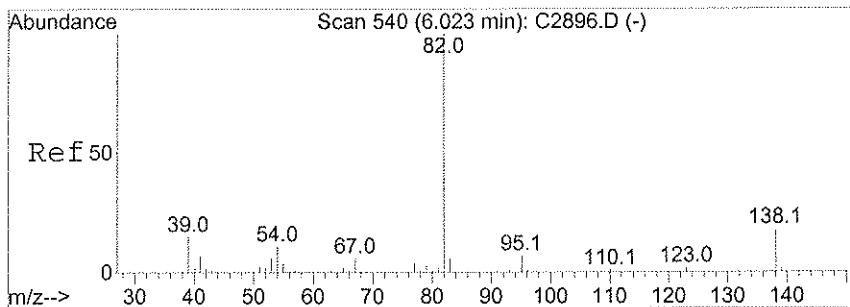
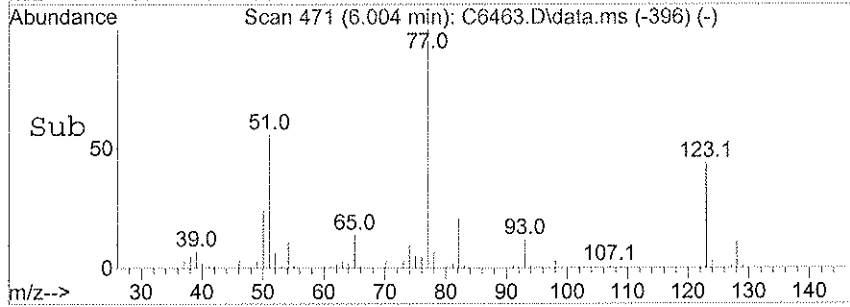
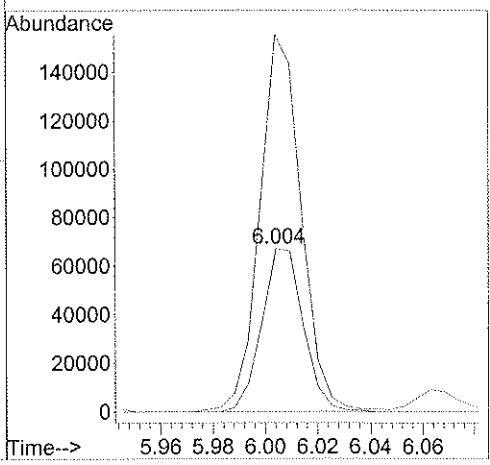
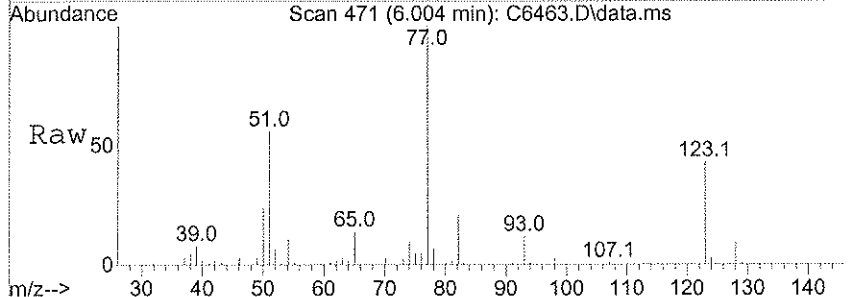
Tgt Ion: 117 Resp: 53654  
 Ion Ratio Lower Upper  
 117 100  
 119 94.4 74.5 111.7





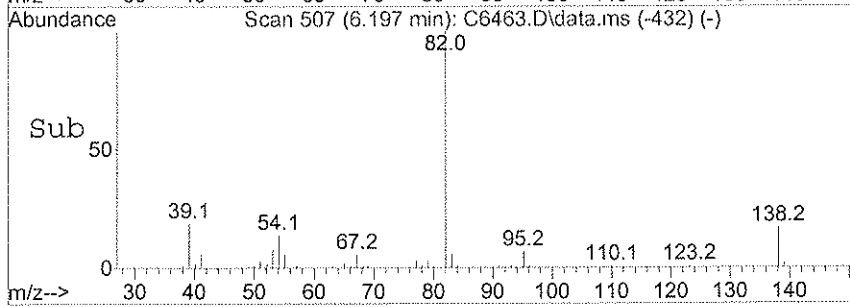
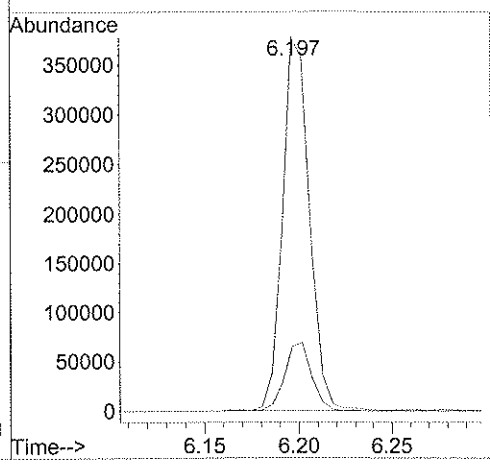
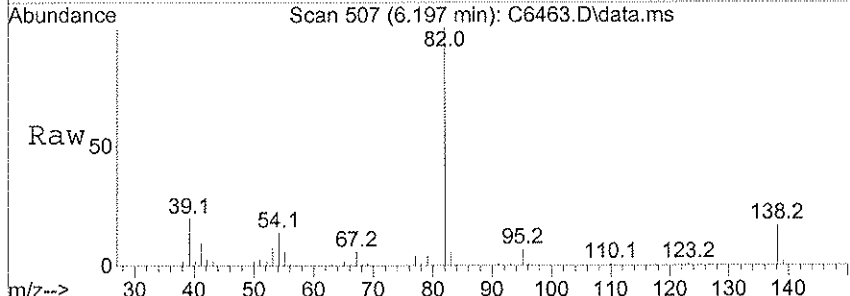
#21  
 Nitrobenzene  
 Concen: 18.56 ug/ml  
 RT: 6.004 min Scan# 471  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

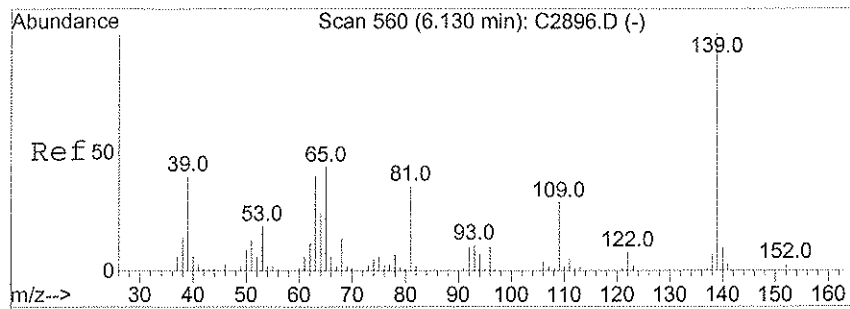
Tgt Ion	Resp	Lower	Upper
123	73953		
77	231.5	187.1	280.7



#22  
 Isophorone  
 Concen: 26.99 ug/ml  
 RT: 6.197 min Scan# 507  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

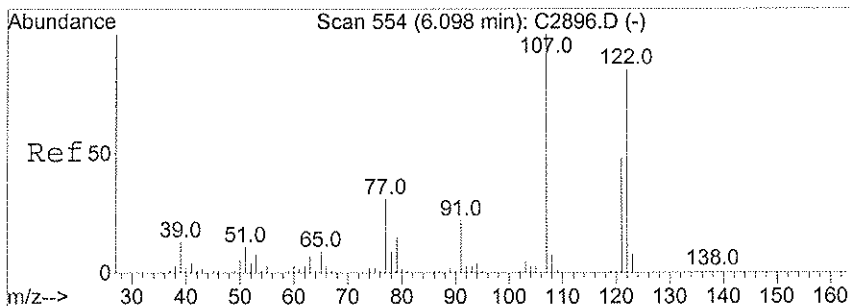
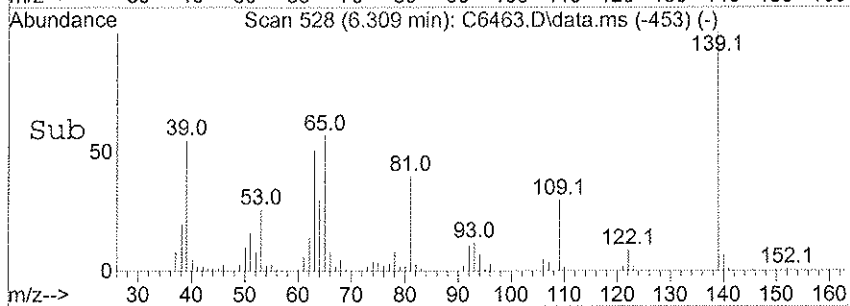
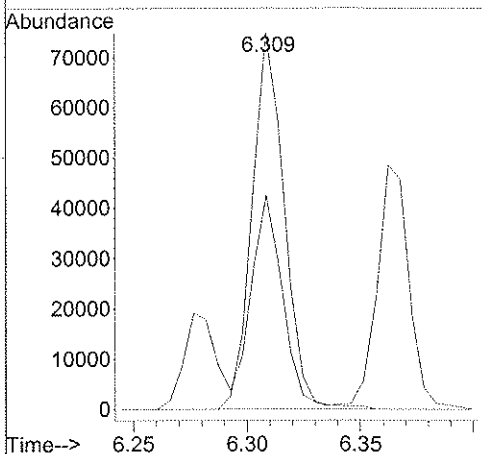
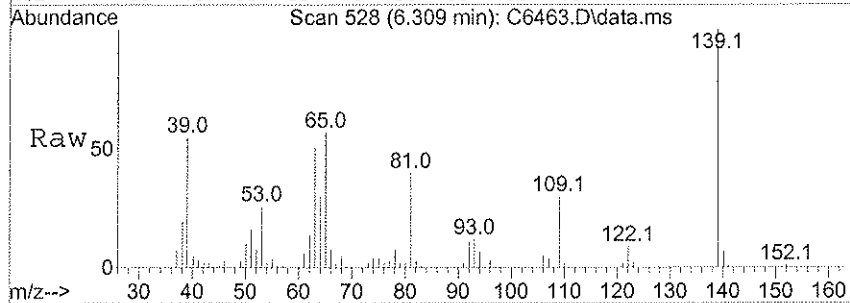
Tgt Ion	Resp	Lower	Upper
82	374484		
138	17.2	14.0	21.0





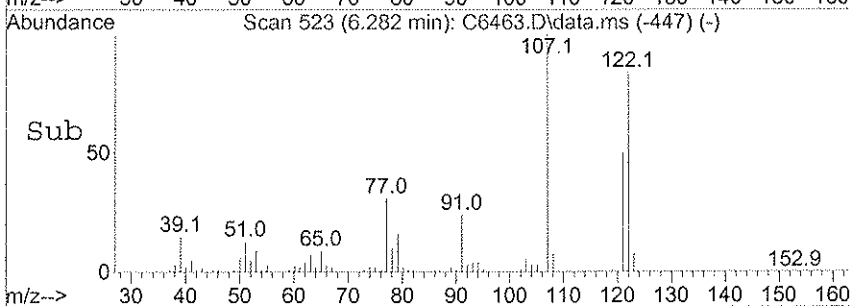
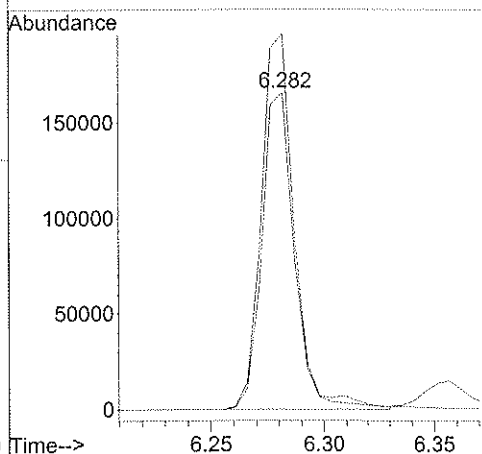
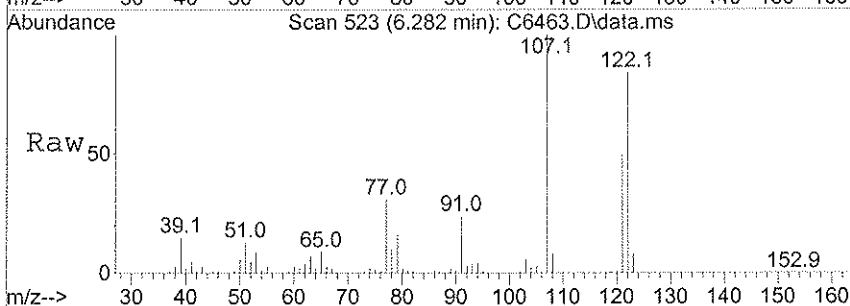
#23  
 2-Nitrophenol  
 Concen: 19.41 ug/ml  
 RT: 6.309 min Scan# 528  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

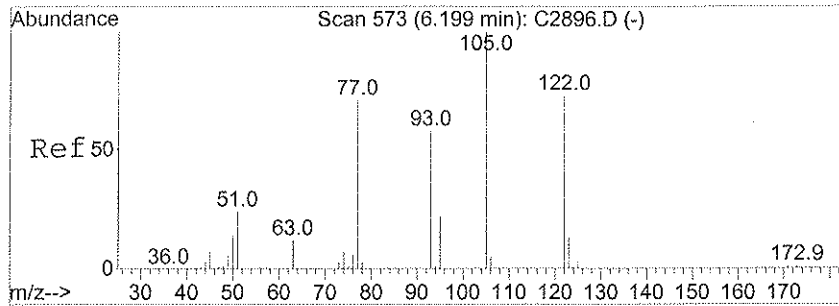
Tgt Ion: 139 Resp: 73963  
 Ion Ratio Lower Upper  
 139 100  
 65 56.6 44.7 67.1



#24  
 2,4-Dimethylphenol  
 Concen: 21.65 ug/ml  
 RT: 6.282 min Scan# 523  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

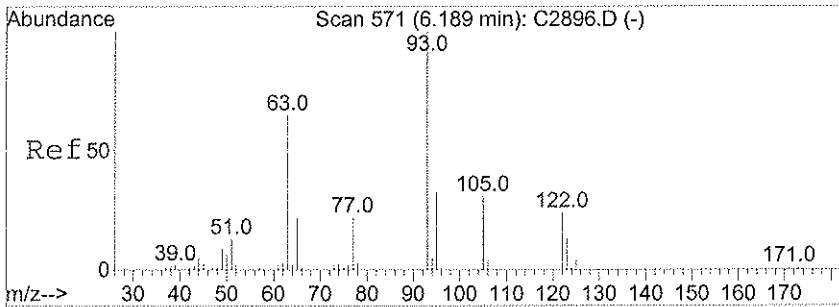
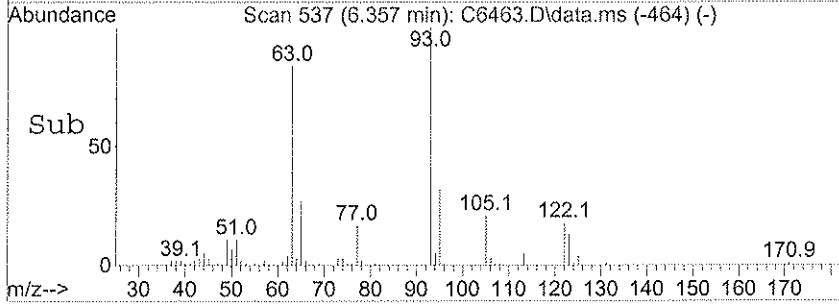
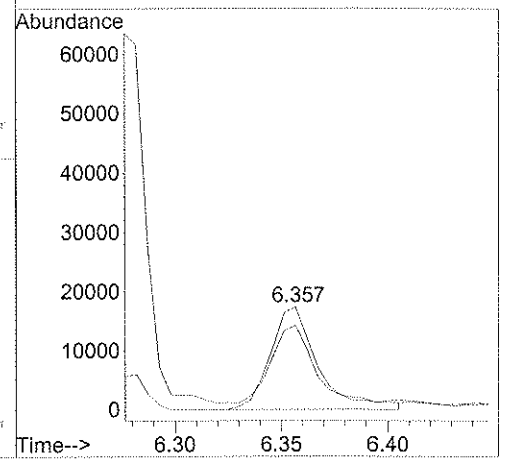
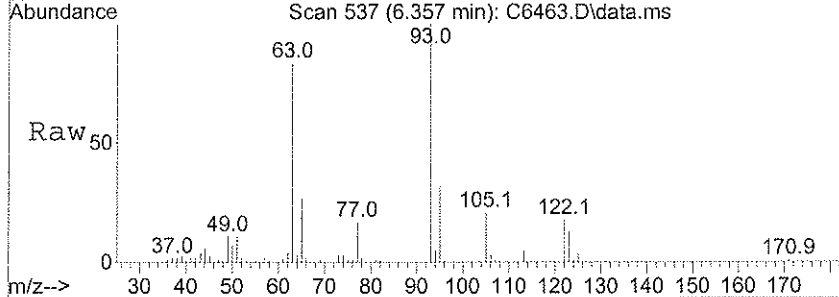
Tgt Ion: 122 Resp: 169614  
 Ion Ratio Lower Upper  
 122 100  
 107 118.4 96.6 145.0





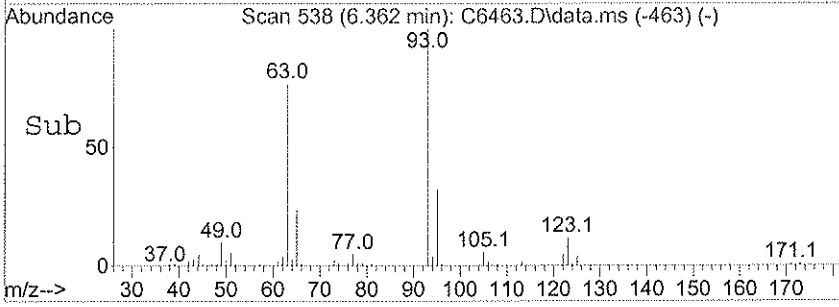
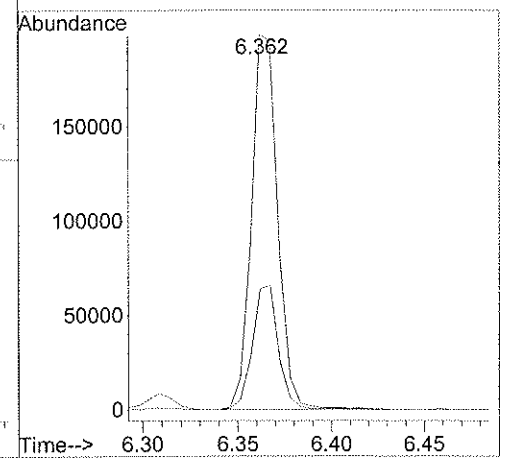
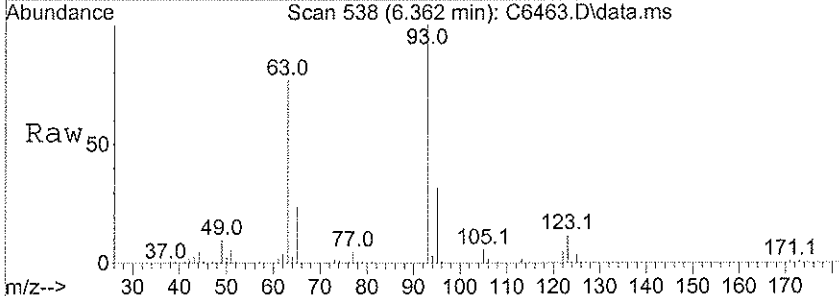
#25  
 Benzoic acid  
 Concen: 41.71 ug/ml  
 RT: 6.357 min Scan# 537  
 Delta R.T. -0.012 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

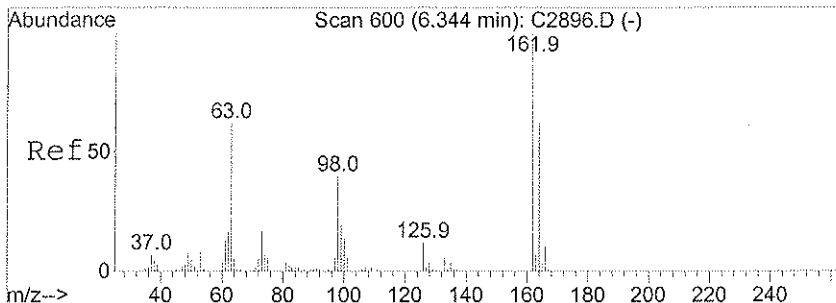
Tgt Ion	Resp	Lower	Upper
105	27145		
105	100		
77	82.2	67.0	100.6



#26  
 bis(2-Chloroethoxy)methane  
 Concen: 19.55 ug/ml  
 RT: 6.362 min Scan# 538  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

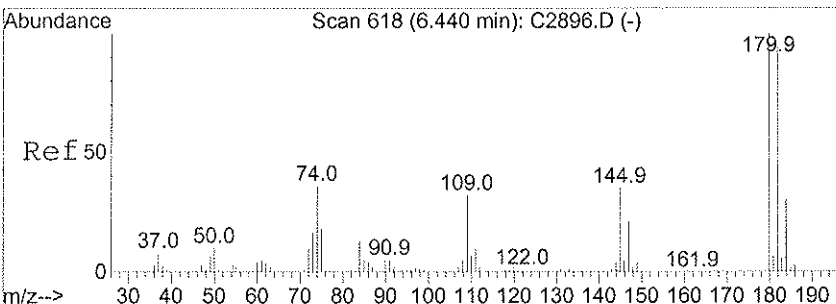
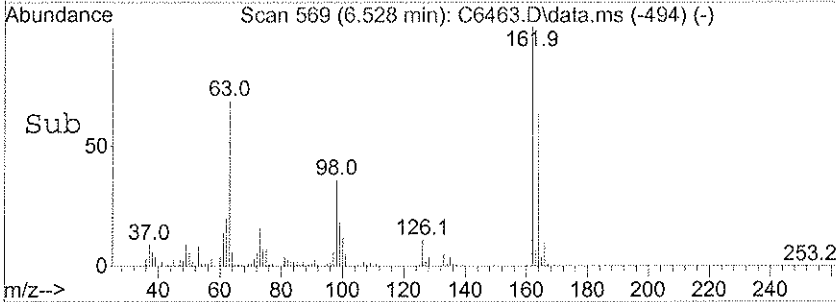
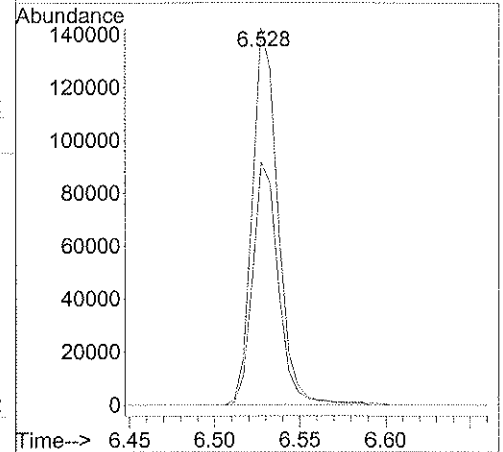
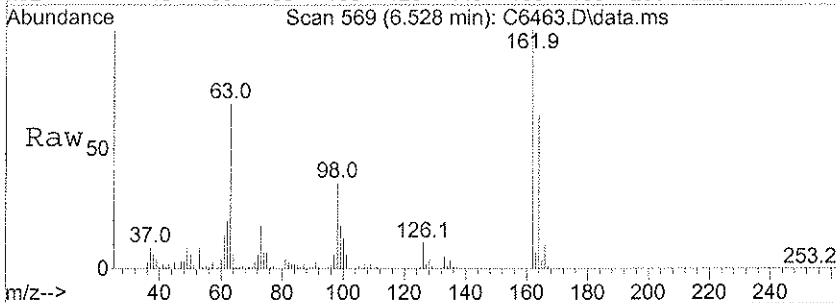
Tgt Ion	Resp	Lower	Upper
93	193181		
93	100		
95	32.2	26.3	39.5





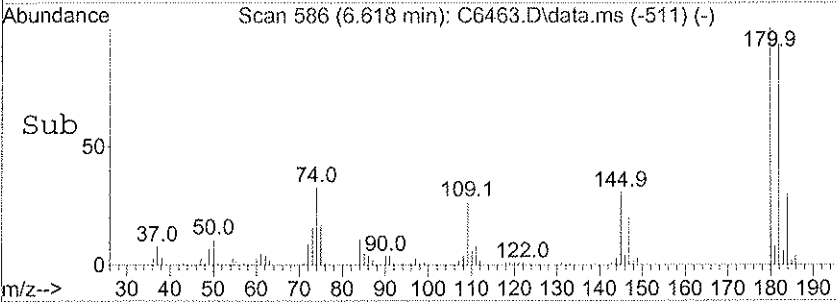
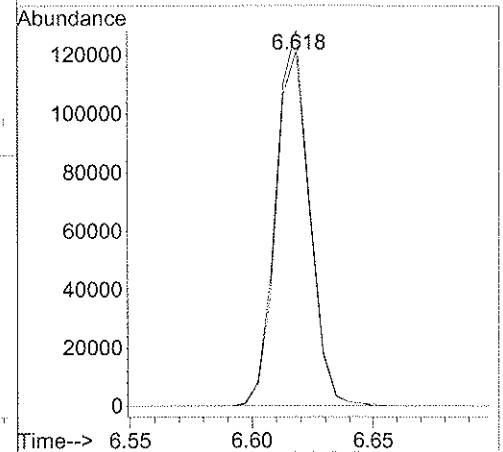
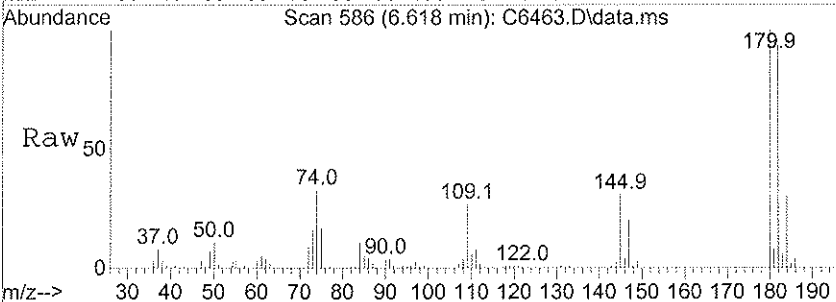
#27  
 2,4-Dichlorophenol  
 Concen: 23.58 ug/ml  
 RT: 6.528 min Scan# 569  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

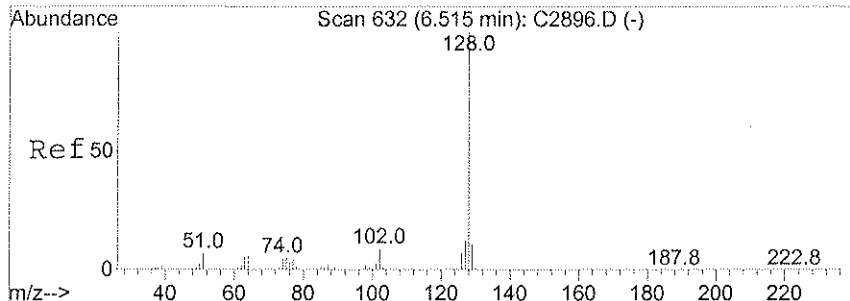
Tgt Ion:162 Resp: 149099  
 Ion Ratio Lower Upper  
 162 100  
 164 64.2 52.6 78.8



#28  
 1,2,4-Trichlorobenzene  
 Concen: 17.73 ug/ml  
 RT: 6.618 min Scan# 586  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

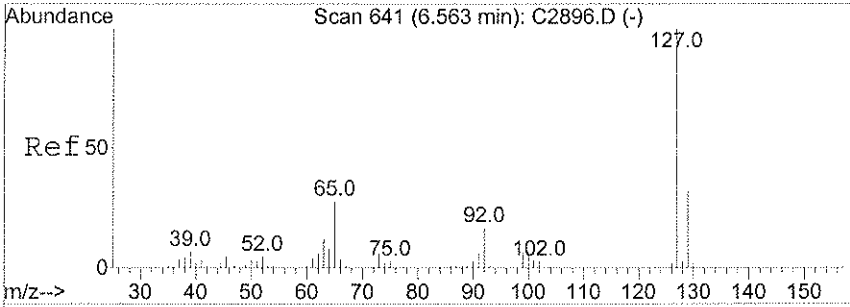
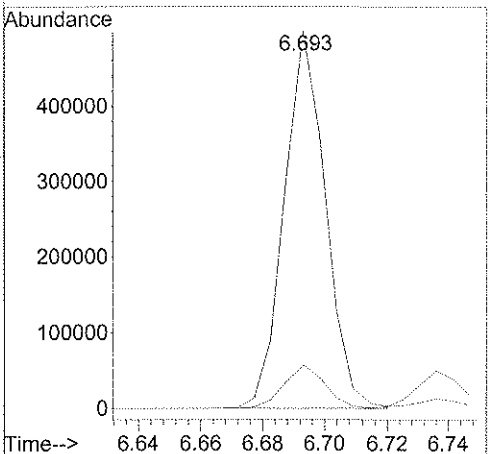
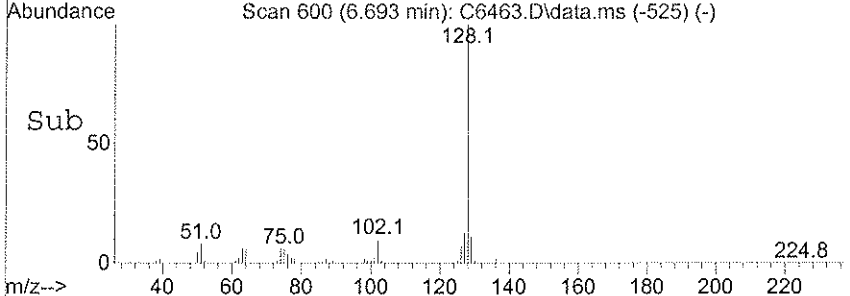
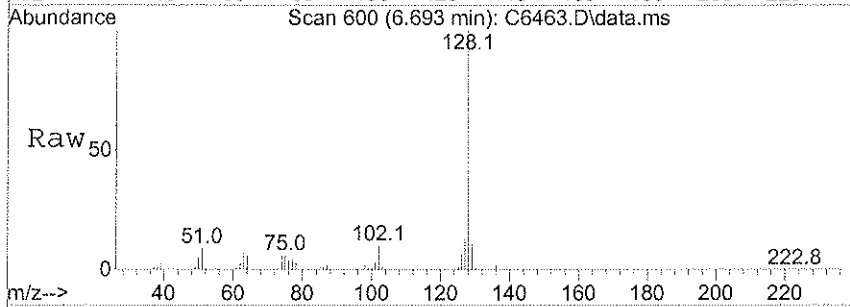
Tgt Ion:180 Resp: 123627  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 78.3 117.5





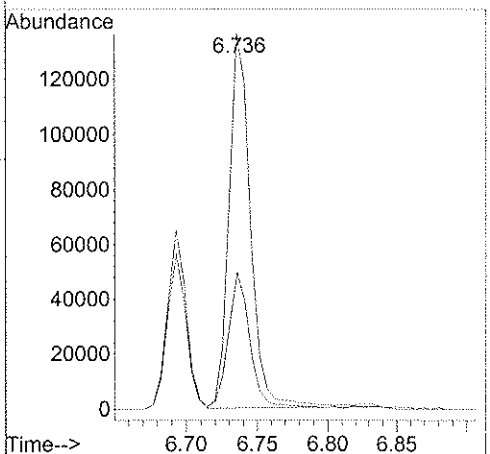
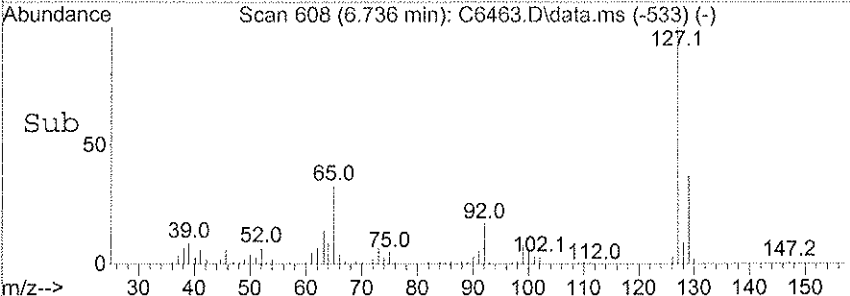
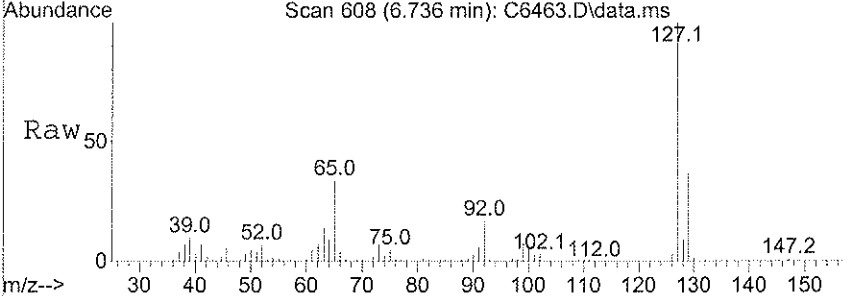
#29  
 Naphthalene  
 Concen: 19.55 ug/ml  
 RT: 6.693 min Scan# 600  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

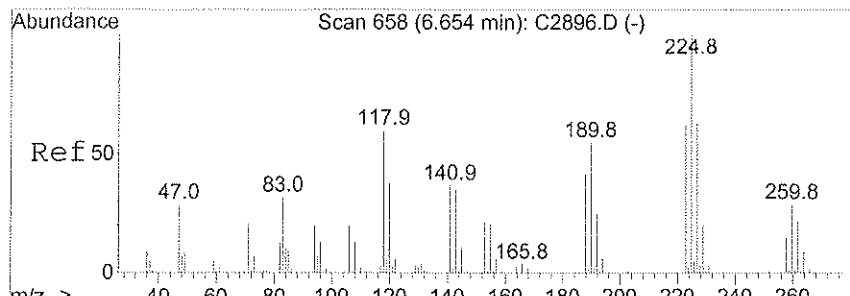
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.6	13.0



#30  
 4-Chloroaniline  
 Concen: 16.67 ug/ml  
 RT: 6.736 min Scan# 608  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

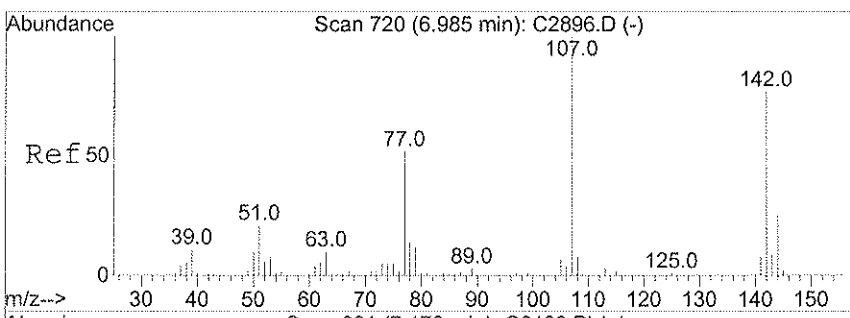
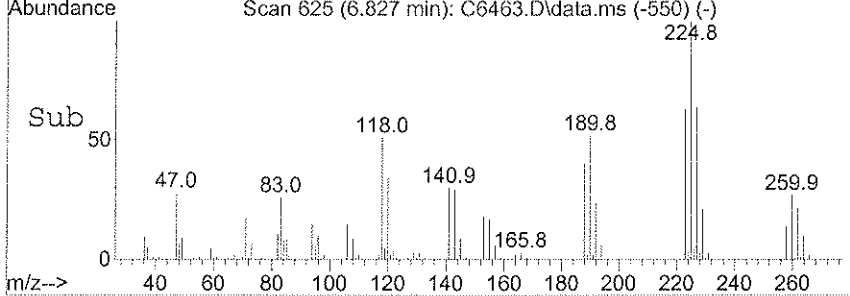
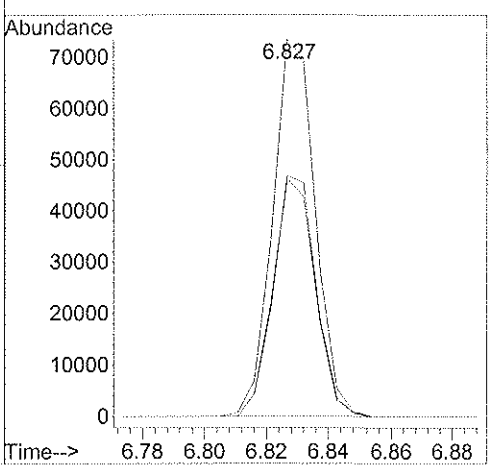
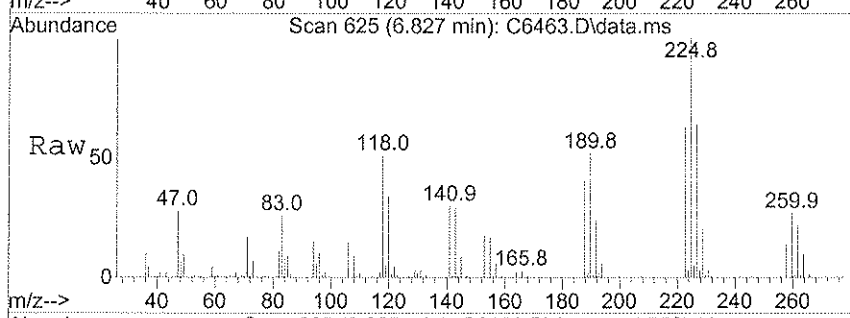
Tgt Ion	Ratio	Lower	Upper
127	100		
129	36.5	27.1	40.7





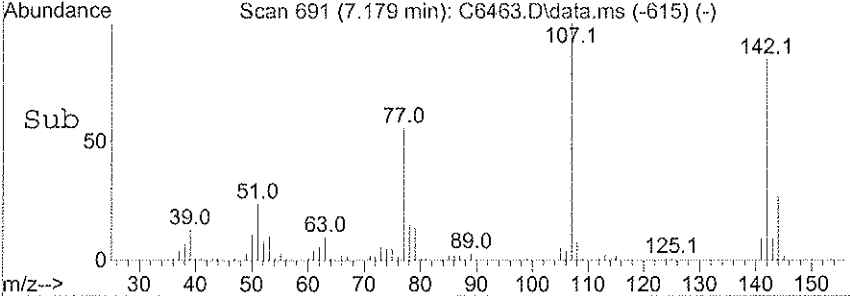
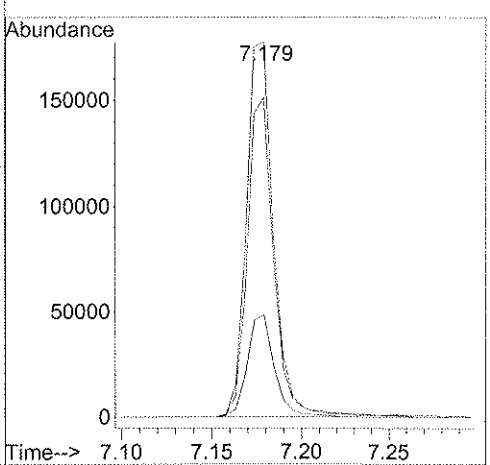
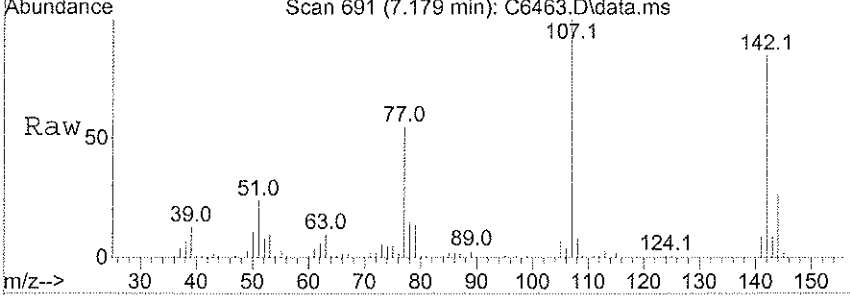
#31  
 Hexachlorobutadiene  
 Concen: 17.24 ug/ml  
 RT: 6.827 min Scan# 625  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

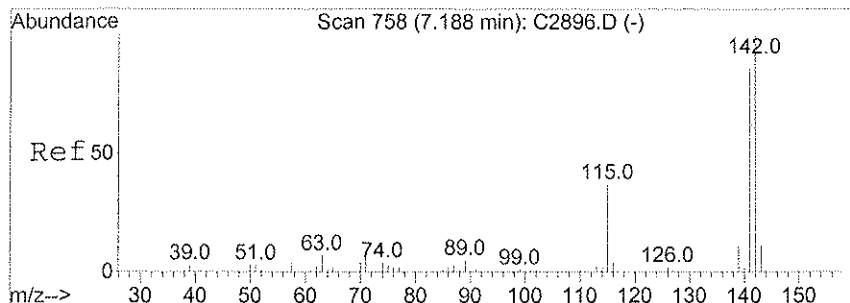
Tgt Ion	Resp	Lower	Upper
225	70296		
223	63.1	51.2	76.8
227	63.9	50.6	76.0



#32  
 4-Chloro-3-methylphenol  
 Concen: 26.63 ug/ml  
 RT: 7.179 min Scan# 691  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

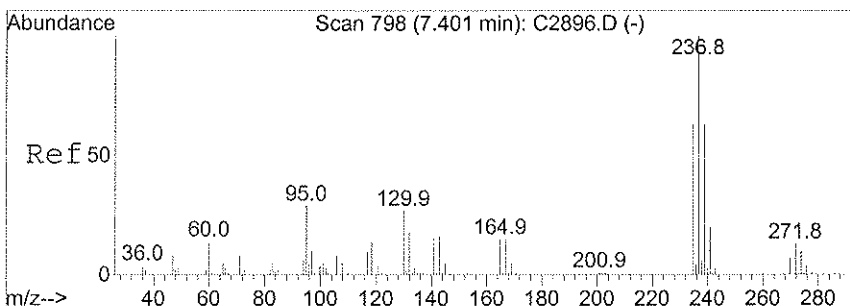
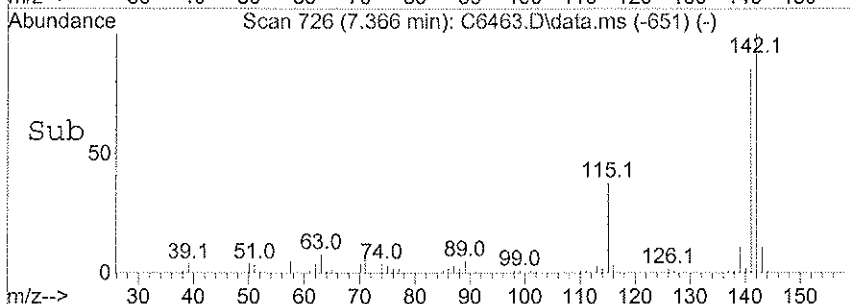
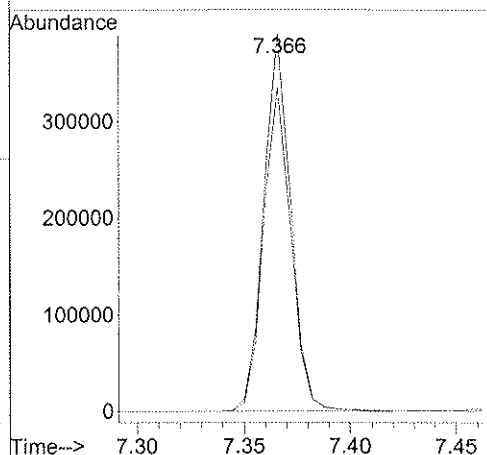
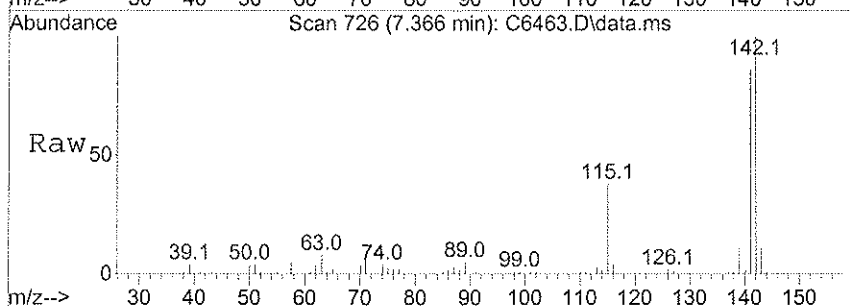
Tgt Ion	Resp	Lower	Upper
107	188473		
142	85.2	65.0	97.4
144	27.3	20.4	30.6





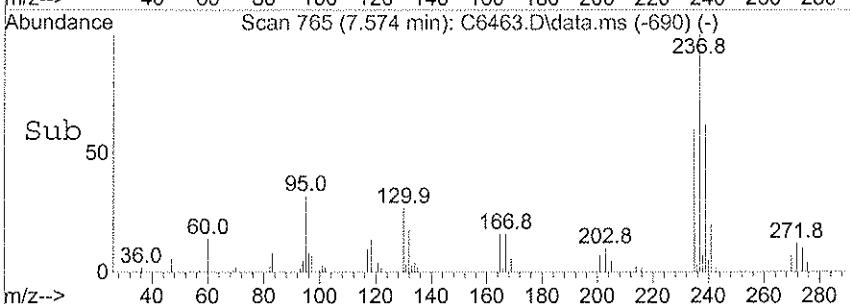
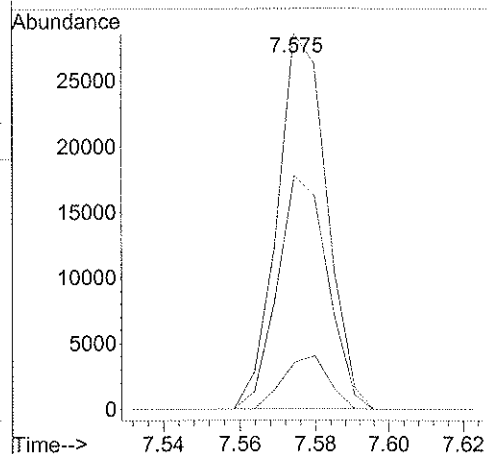
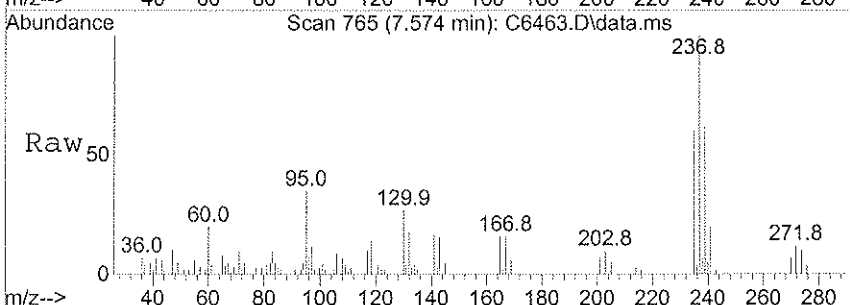
#33  
 2-Methylnaphthalene  
 Concen: 21.33 ug/ml  
 RT: 7.366 min Scan# 726  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
142	100		
141	85.9	69.7	104.5

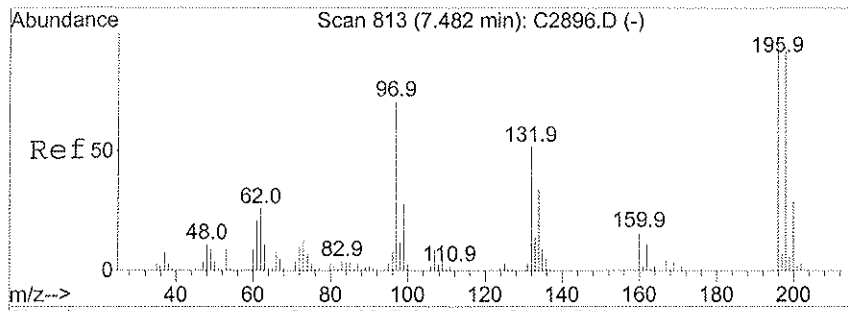


#35  
 Hexachlorocyclopentadiene  
 Concen: 24.79 ug/ml  
 RT: 7.574 min Scan# 765  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
237	100		
239	62.2	50.9	76.3
272	12.4	9.7	14.5

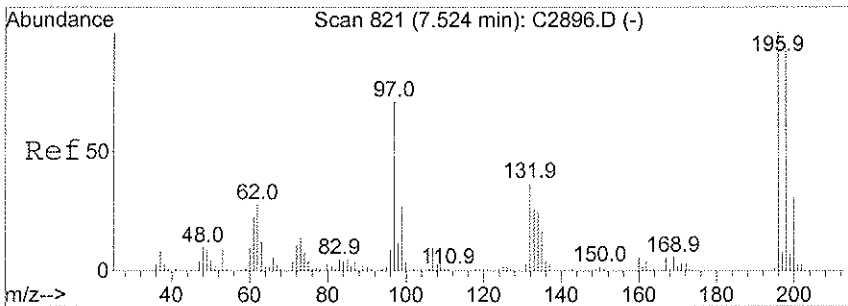
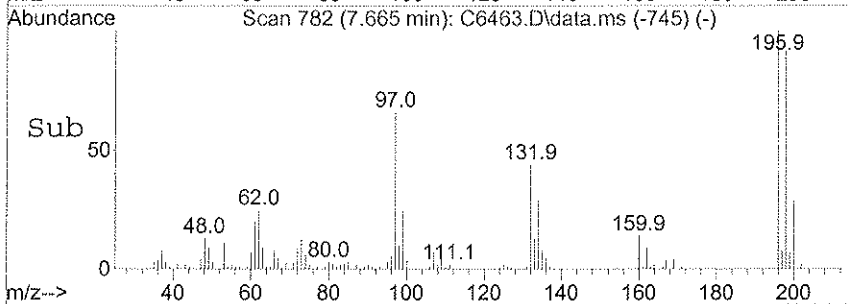
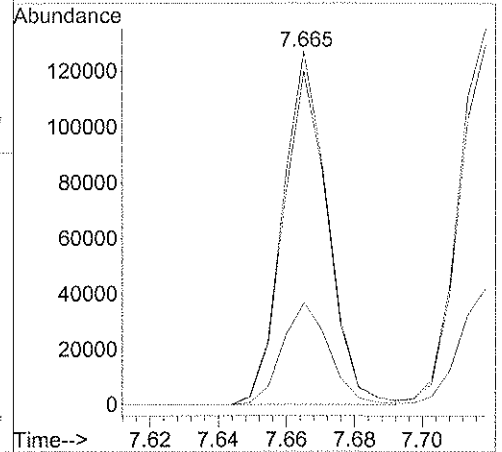
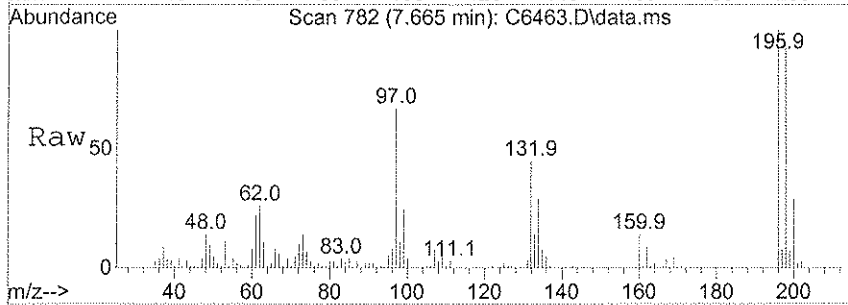






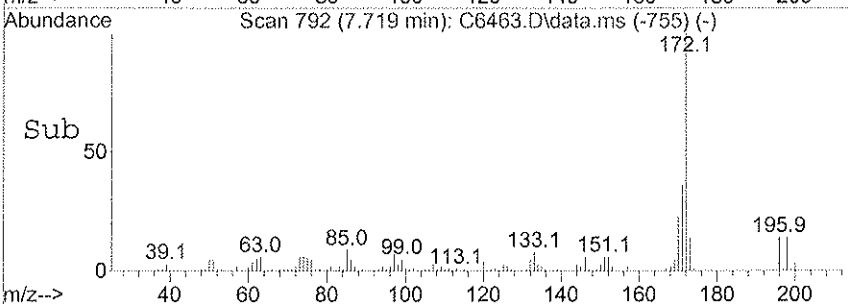
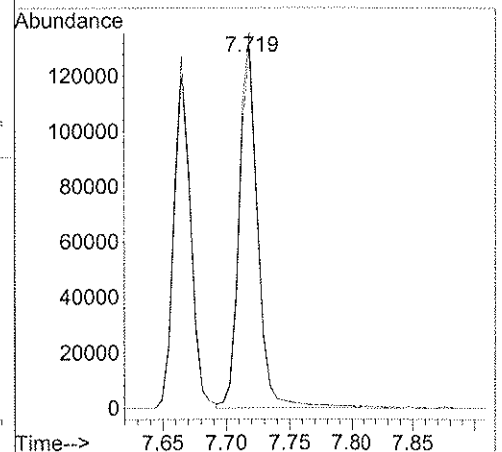
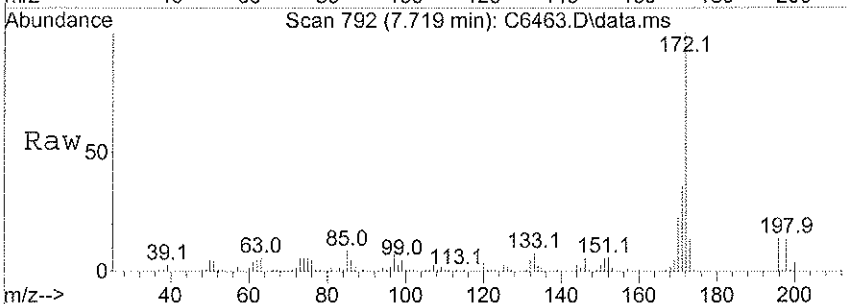
#36  
 2,4,6-Trichlorophenol  
 Concen: 28.93 ug/ml  
 RT: 7.665 min Scan# 782  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

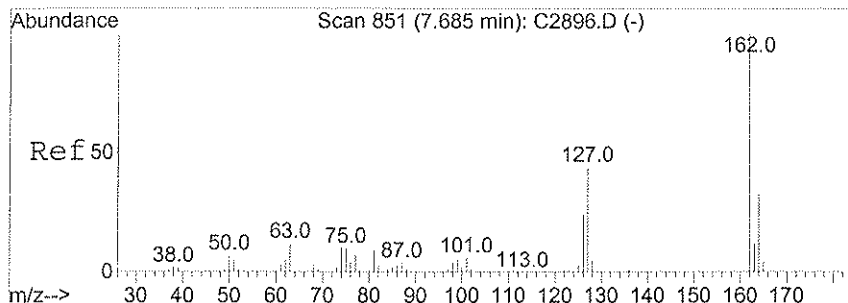
Tgt Ion	Resp	Lower	Upper
196	116750		
198	94.3	78.6	118.0
200	28.9	24.3	36.5



#37  
 2,4,5-Trichlorophenol  
 Concen: 33.28 ug/ml  
 RT: 7.719 min Scan# 792  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

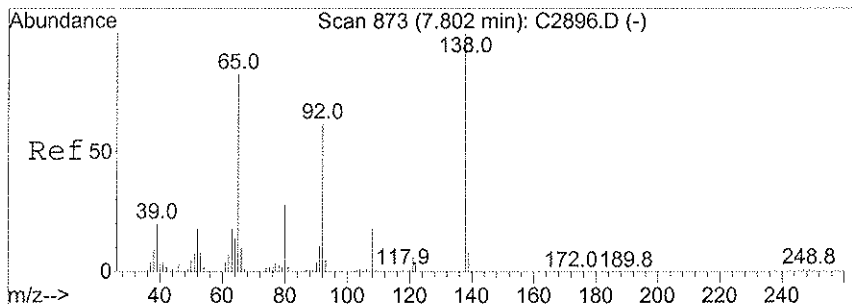
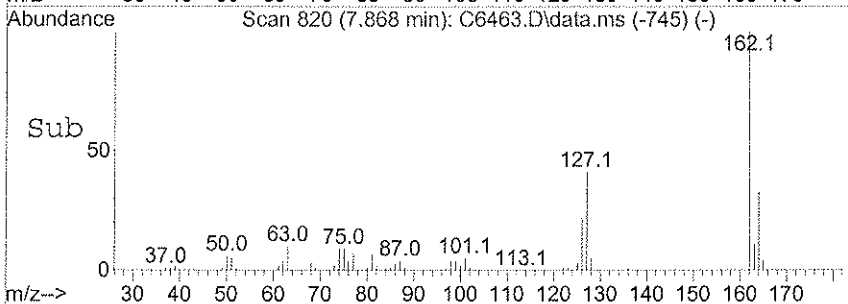
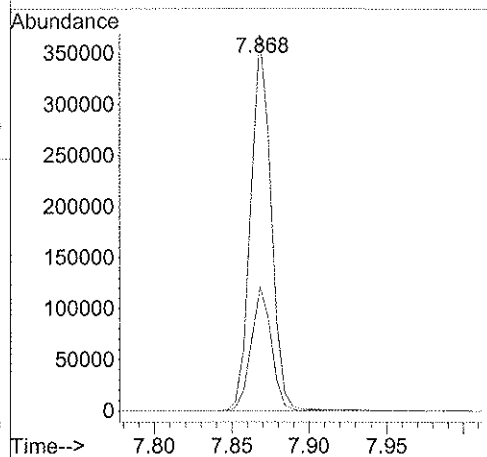
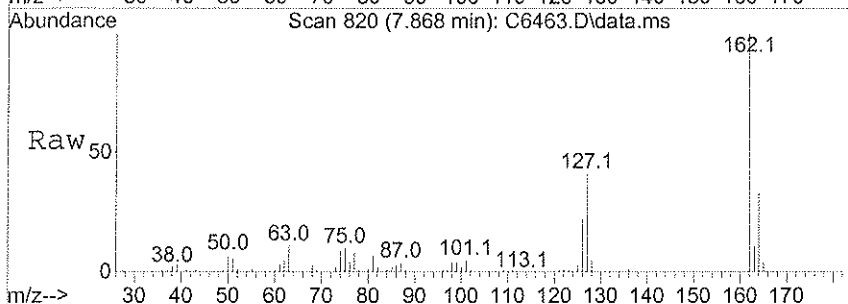
Tgt Ion	Resp	Lower	Upper
196	139509		
198	95.8	79.1	118.7





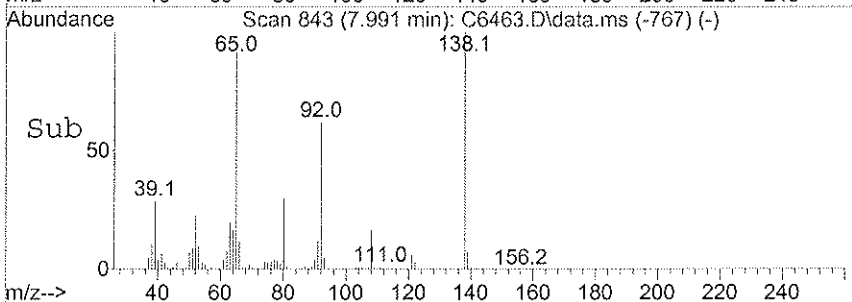
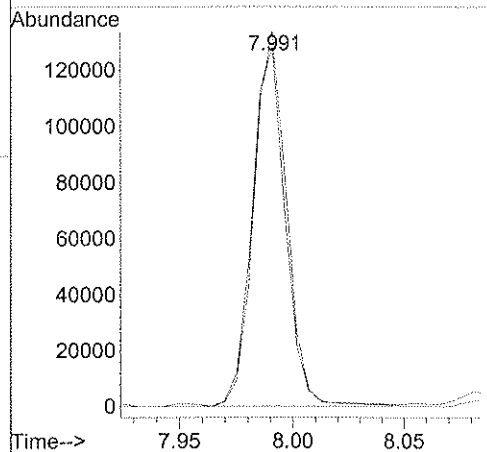
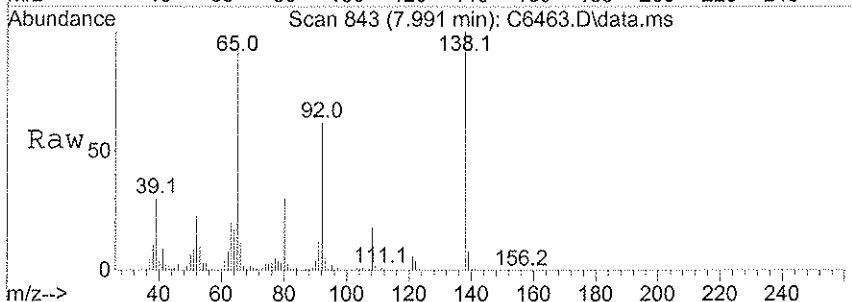
#39  
 2-Chloronaphthalene  
 Concen: 23.03 ug/ml  
 RT: 7.868 min Scan# 820  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

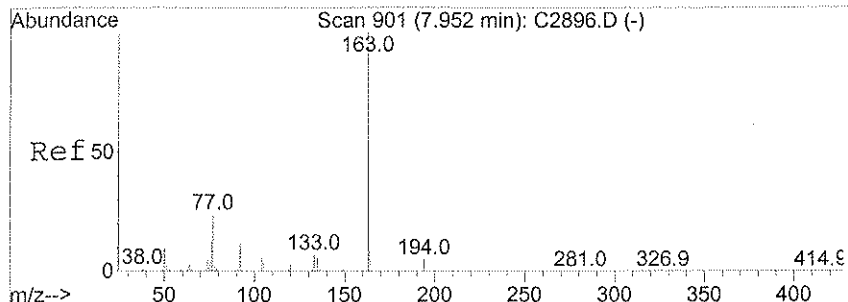
Tgt Ion	Resp	Lower	Upper
162	100		
164	32.9	25.4	38.2



#40  
 2-Nitroaniline  
 Concen: 30.45 ug/ml  
 RT: 7.991 min Scan# 843  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

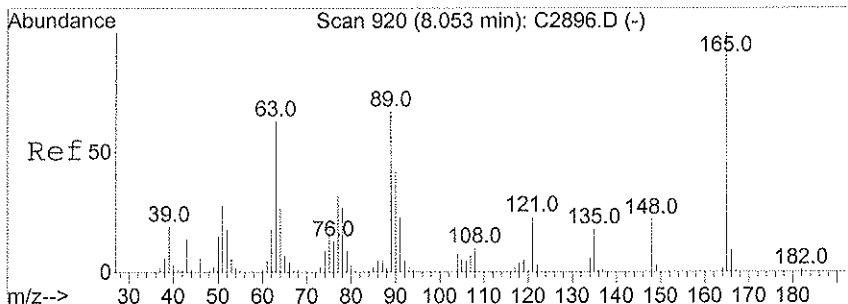
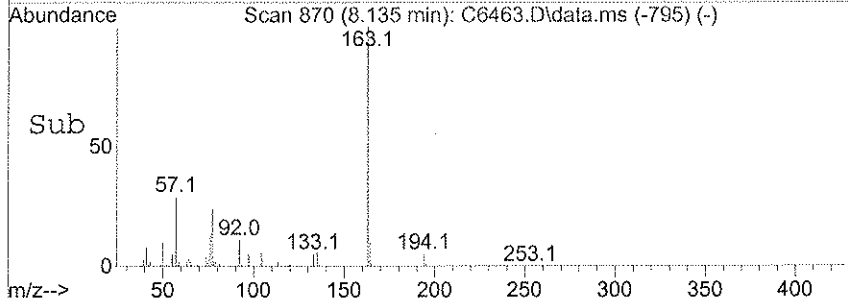
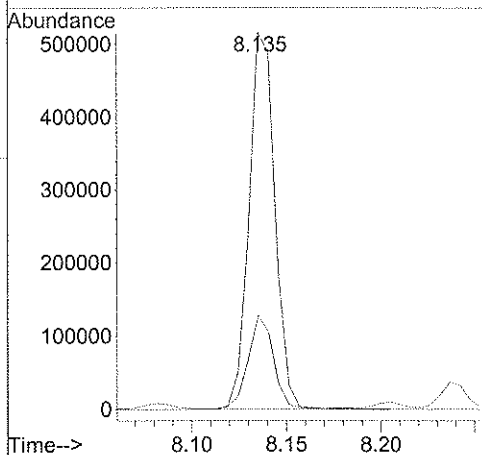
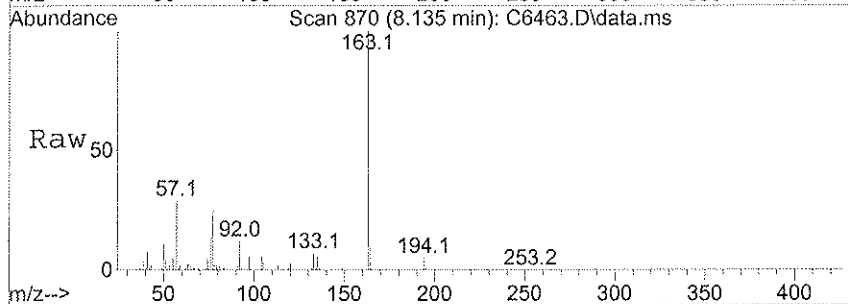
Tgt Ion	Resp	Lower	Upper
65	100		
138	104.3	80.8	121.2





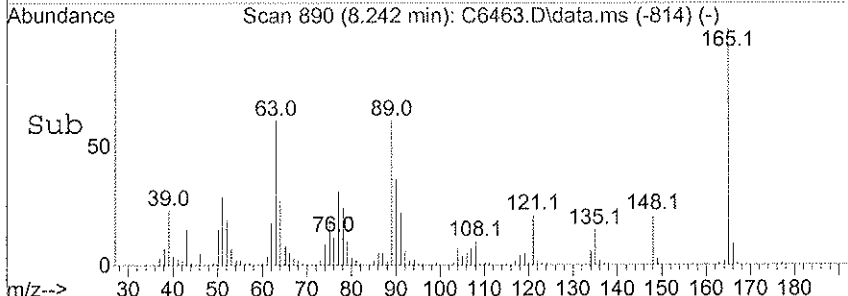
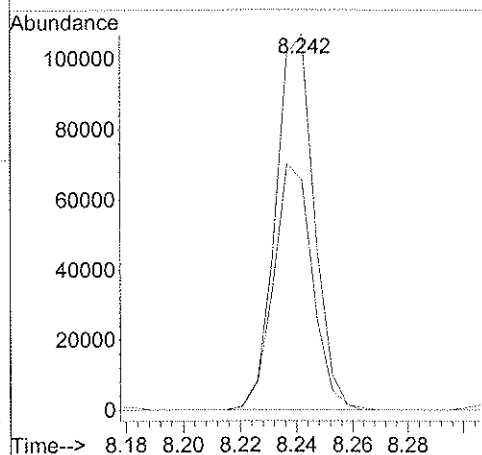
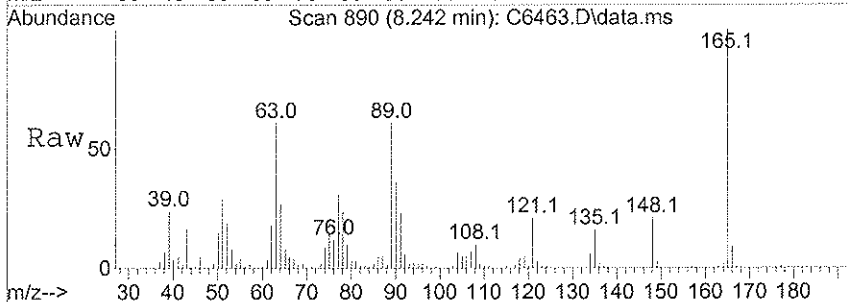
#41  
 Dimethylphthalate  
 Concen: 29.29 ug/ml  
 RT: 8.135 min Scan# 870  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

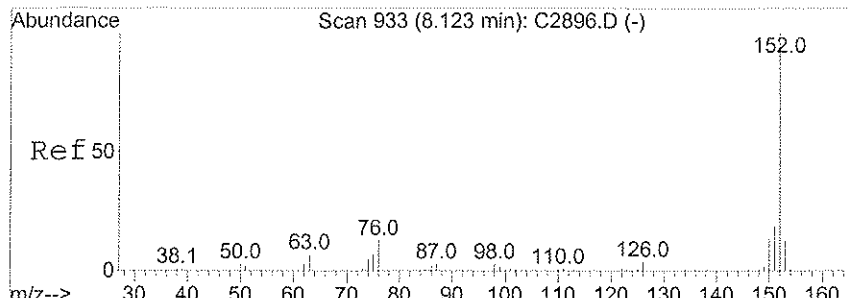
Tgt Ion:163 Resp: 488794  
 Ion Ratio Lower Upper  
 163 100  
 77 24.8 18.8 28.2



#42  
 2,6-Dinitrotoluene  
 Concen: 31.04 ug/ml  
 RT: 8.242 min Scan# 890  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

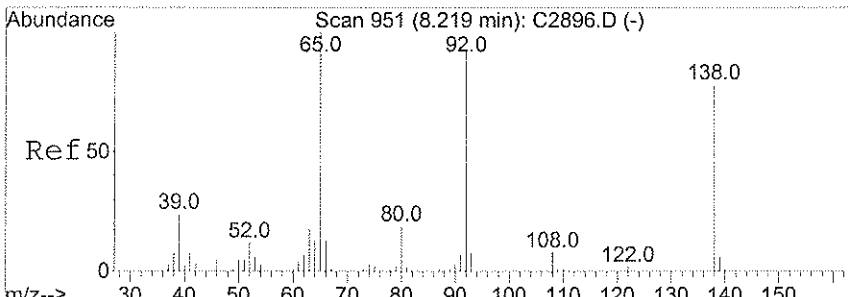
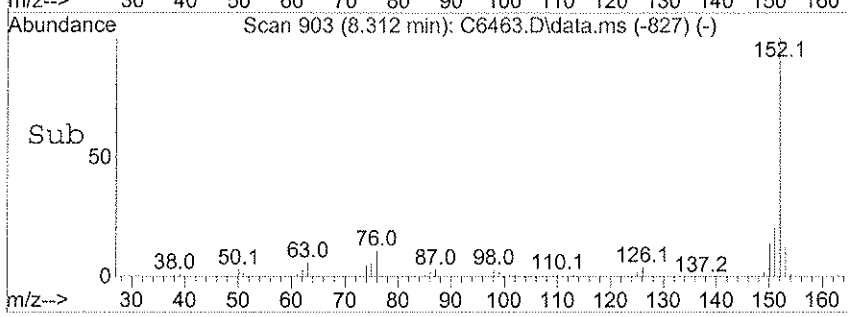
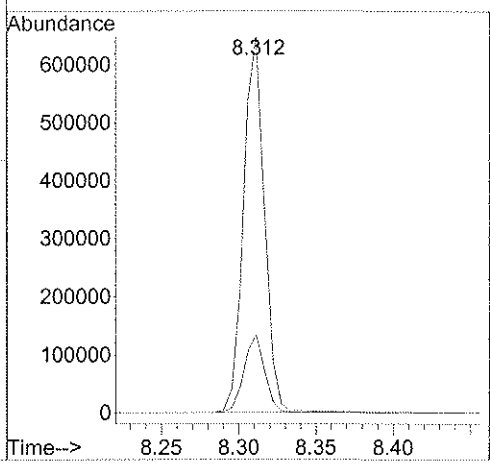
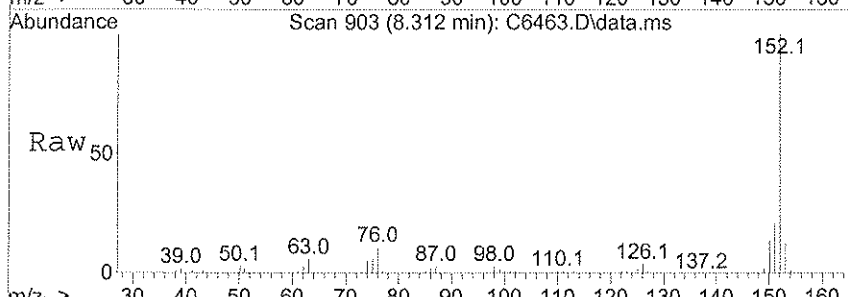
Tgt Ion:165 Resp: 101807  
 Ion Ratio Lower Upper  
 165 100  
 89 61.3 55.6 83.4





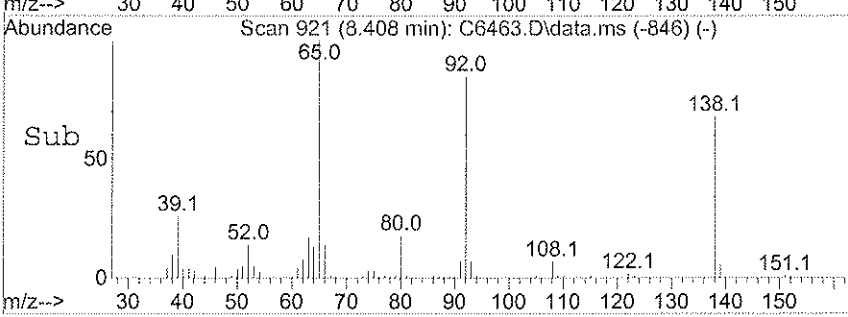
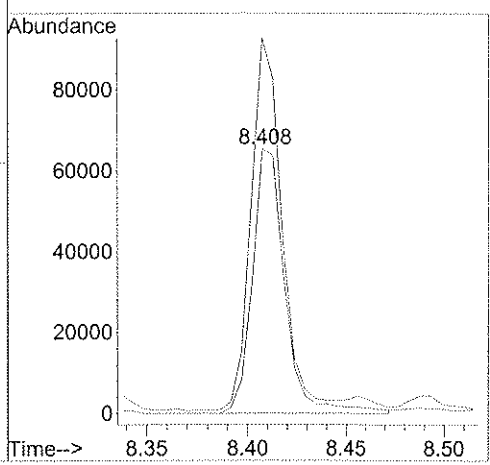
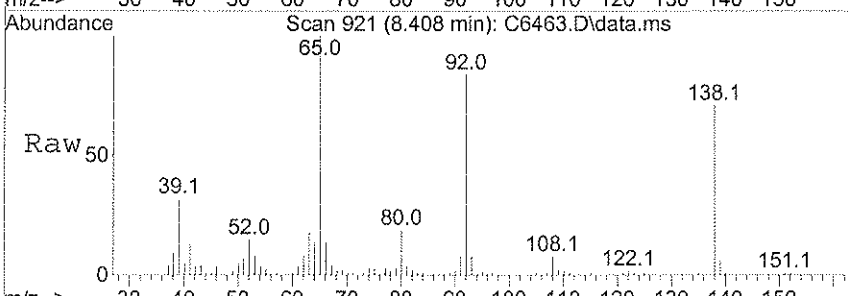
#43  
 Acenaphthylene  
 Concen: 25.93 ug/ml  
 RT: 8.312 min Scan# 903  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

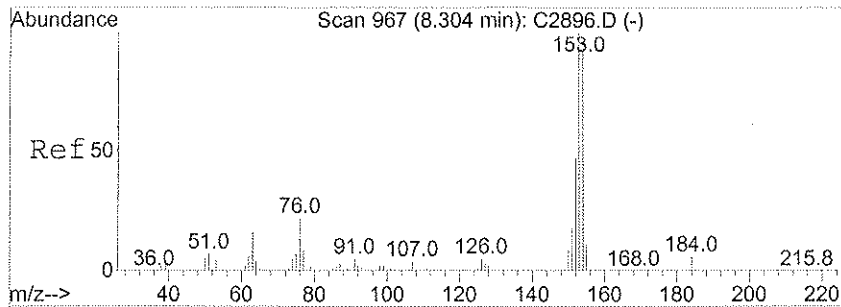
Tgt Ion:152 Resp: 613453  
 Ion Ratio Lower Upper  
 152 100  
 151 20.7 16.3 24.5



#44  
 3-Nitroaniline  
 Concen: 20.53 ug/ml  
 RT: 8.408 min Scan# 921  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

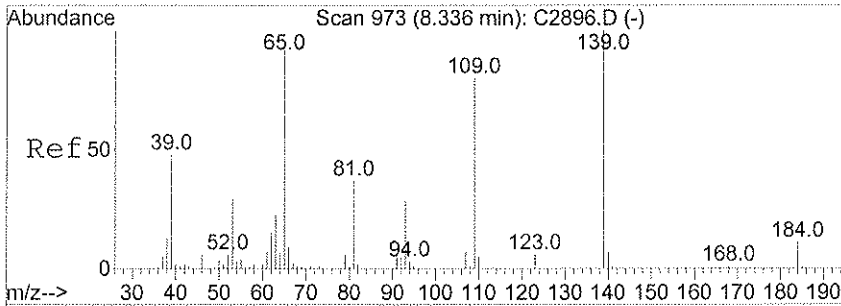
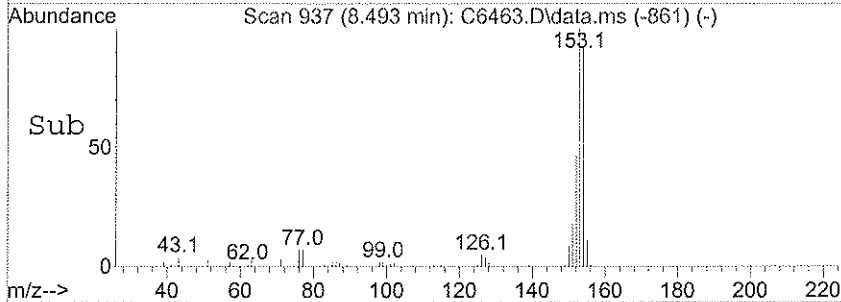
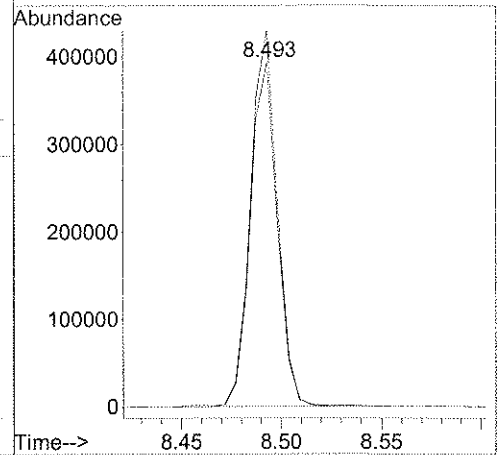
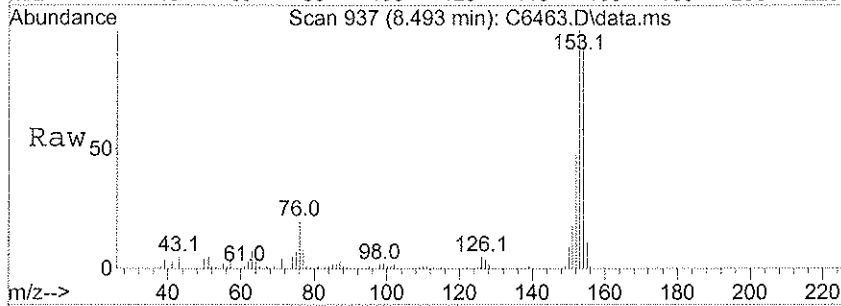
Tgt Ion:138 Resp: 74675  
 Ion Ratio Lower Upper  
 138 100  
 65 141.8 104.5 156.7





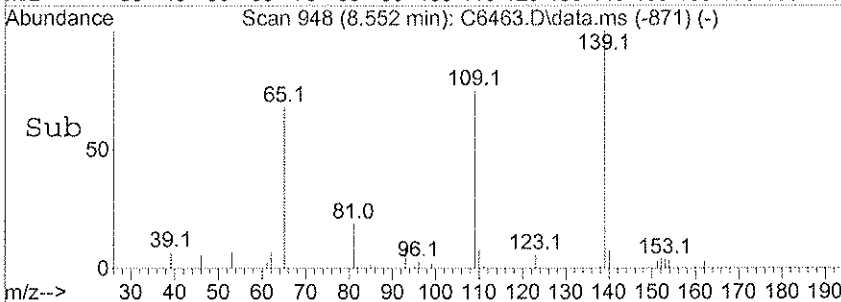
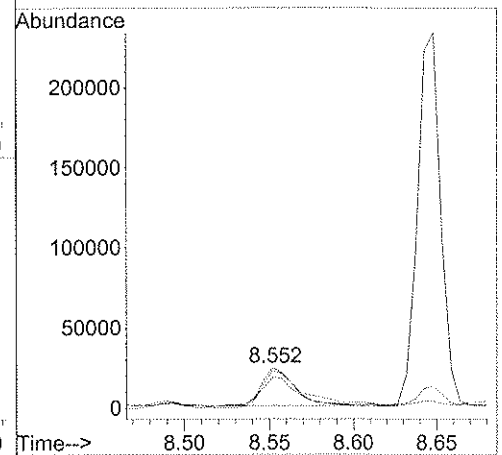
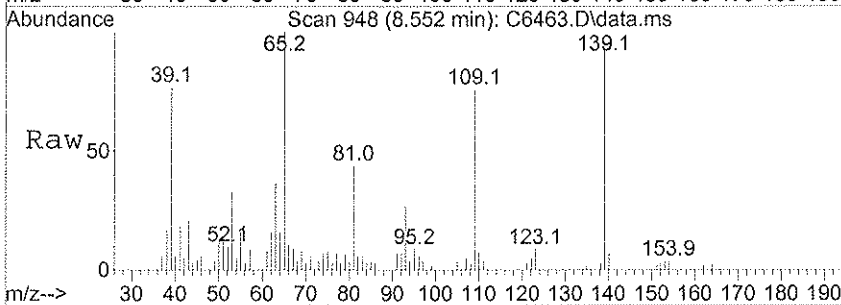
#45  
 Acenaphthene  
 Concen: 26.63 ug/ml  
 RT: 8.493 min Scan# 937  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

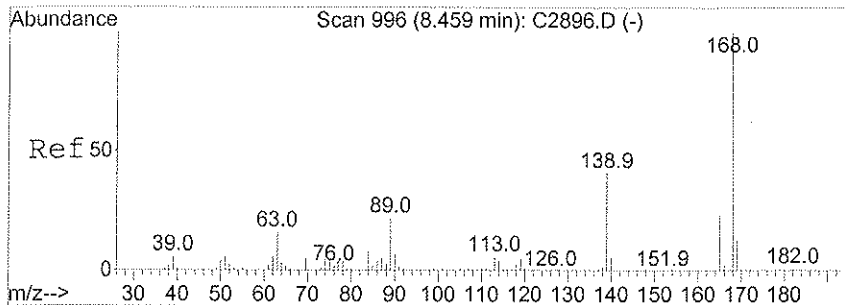
Tgt Ion: 154 Resp: 370205  
 Ion Ratio Lower Upper  
 154 100  
 153 109.3 86.2 129.2



#47  
 4-Nitrophenol  
 Concen: 18.88 ug/ml  
 RT: 8.552 min Scan# 948  
 Delta R.T. 0.009 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

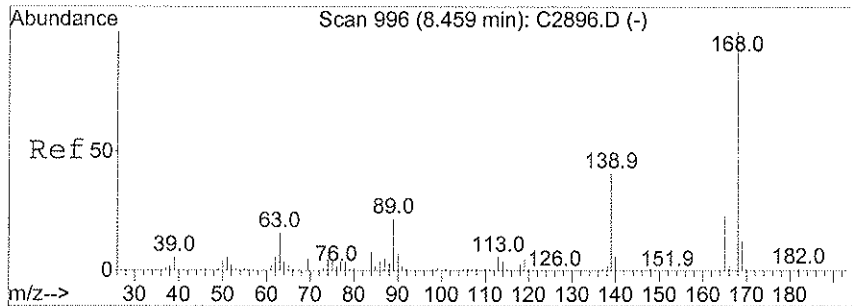
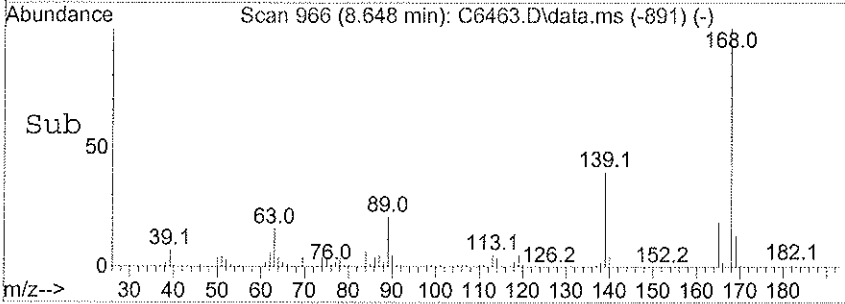
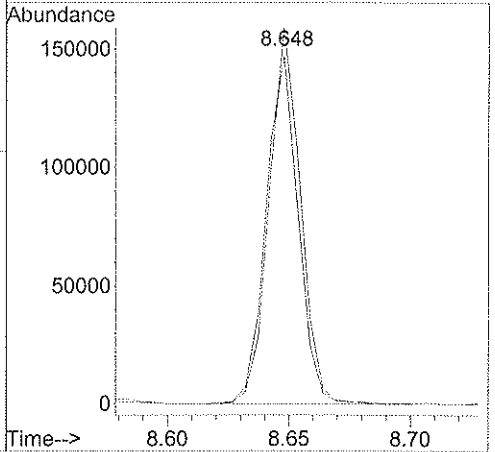
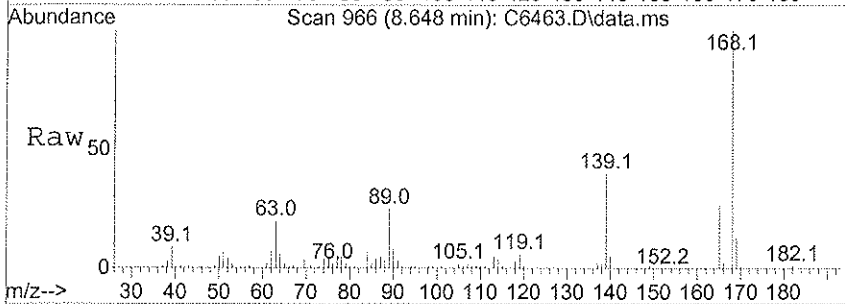
Tgt Ion: 65 Resp: 38209  
 Ion Ratio Lower Upper  
 65 100  
 139 92.3 76.4 114.6  
 109 75.8 58.4 87.6





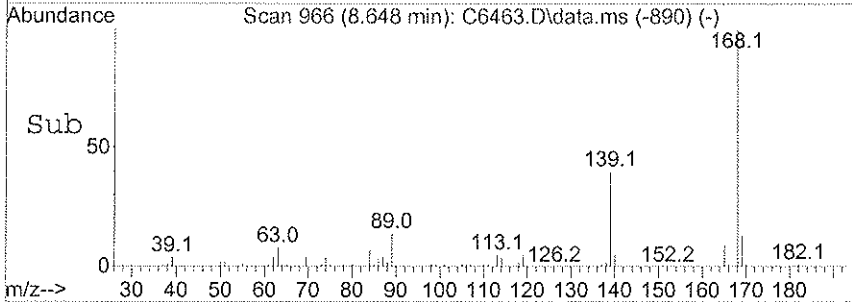
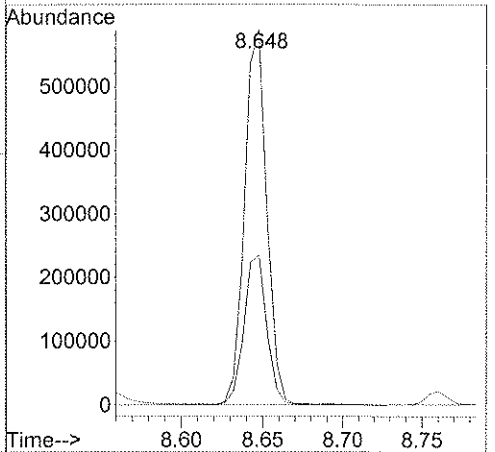
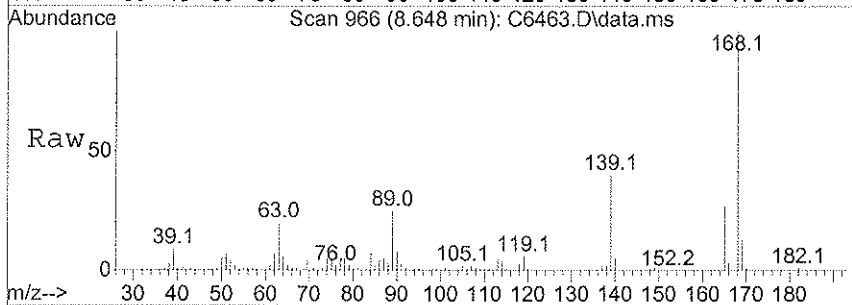
#48  
 2,4-Dinitrotoluene  
 Concen: 32.19 ug/ml  
 RT: 8.648 min Scan# 966  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

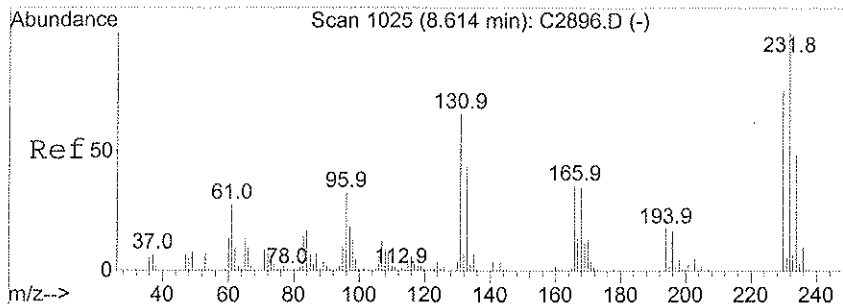
Tgt Ion:	165	Resp:	143265
Ion Ratio	Lower	Upper	
165	100		
89	92.3	71.5	107.3



#49  
 Dibenzofuran  
 Concen: 27.31 ug/ml  
 RT: 8.648 min Scan# 966  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

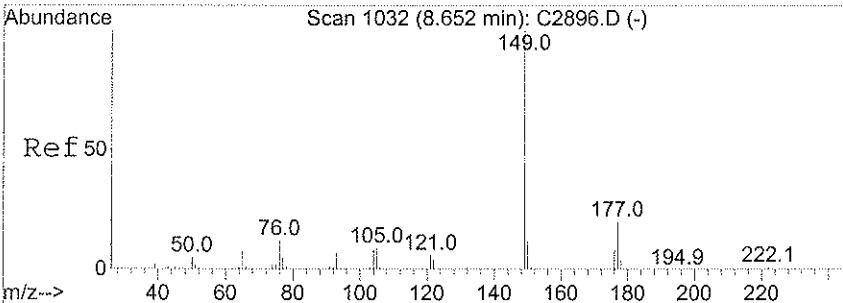
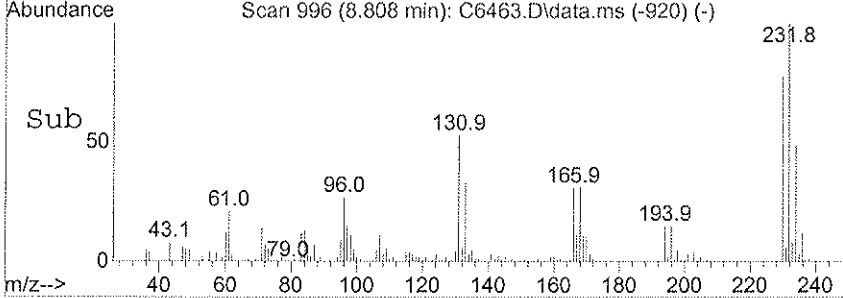
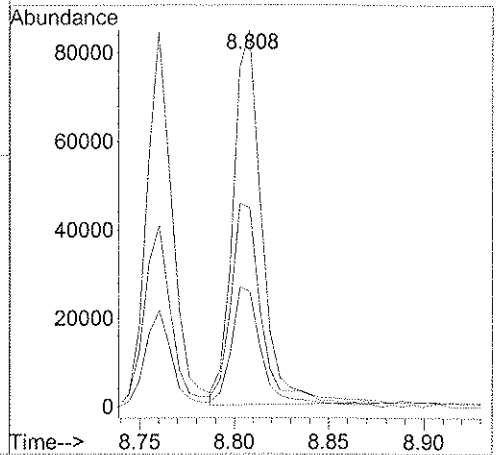
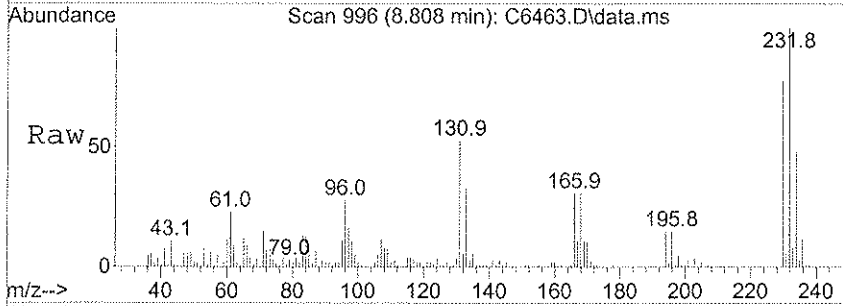
Tgt Ion:	168	Resp:	561419
Ion Ratio	Lower	Upper	
168	100		
139	39.8	33.4	50.0





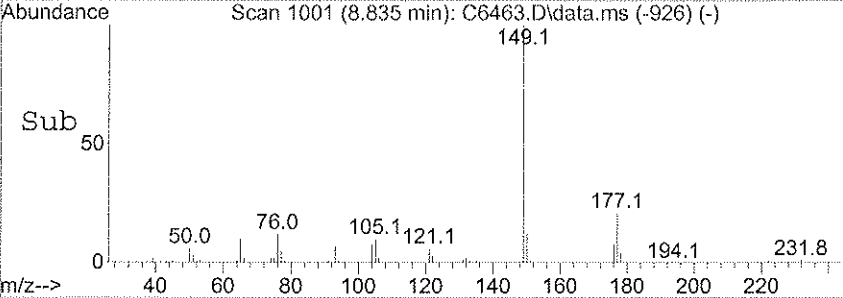
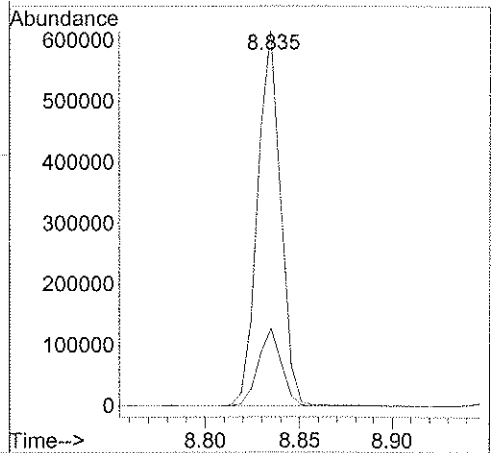
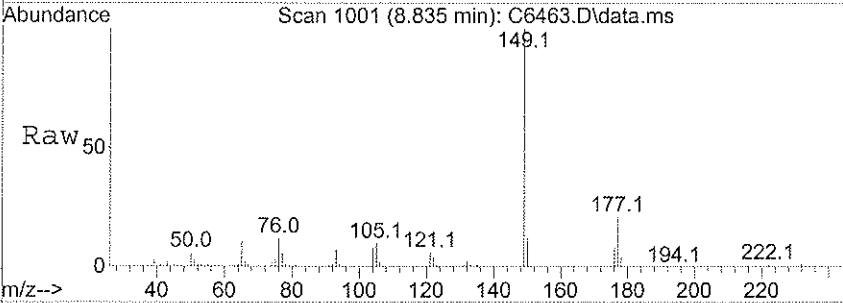
#50  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.08 ug/ml  
 RT: 8.808 min Scan# 996  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

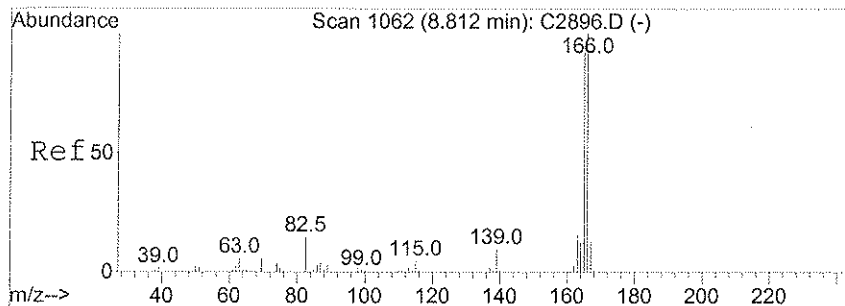
Tgt Ion	Ratio	Lower	Upper
232	100		
131	52.9	46.5	69.7
166	30.5	25.4	38.0



#51  
 Diethylphthalate  
 Concen: 30.62 ug/ml  
 RT: 8.835 min Scan# 1001  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

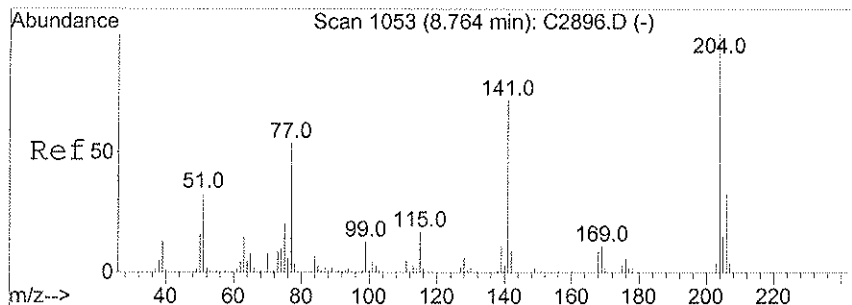
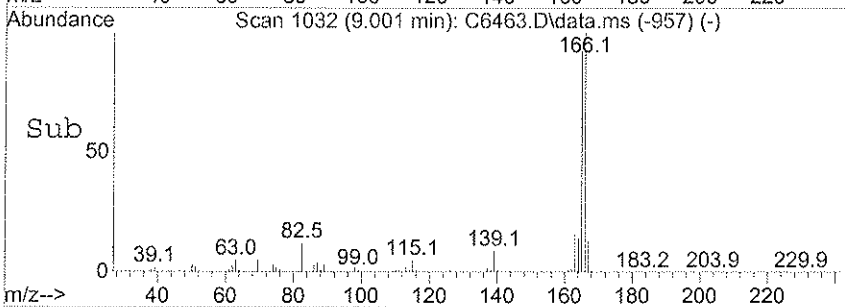
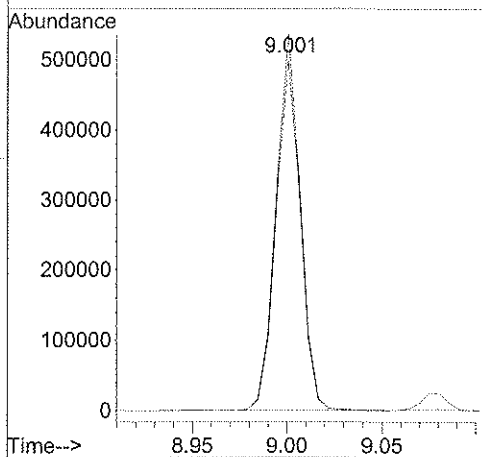
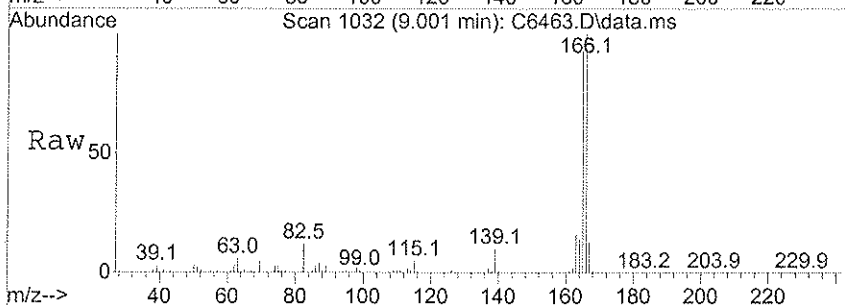
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.0	25.4





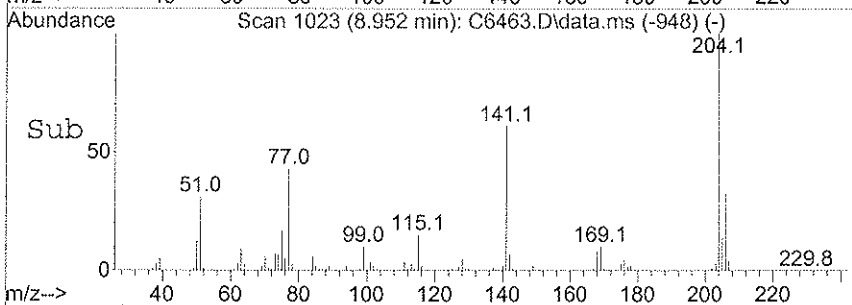
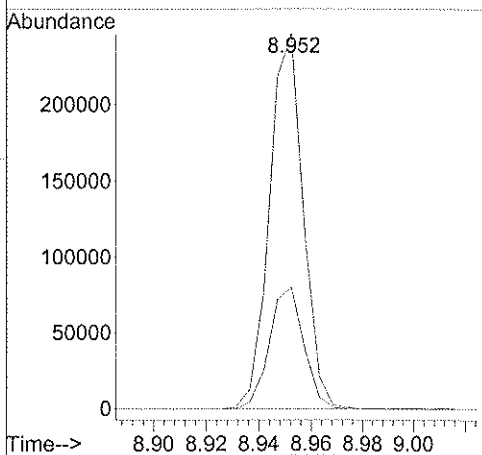
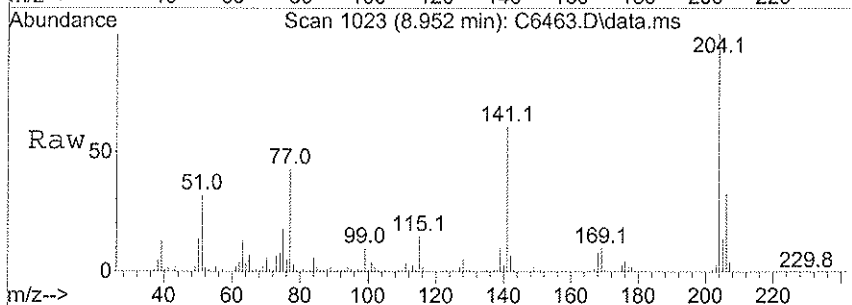
#52  
 Fluorene  
 Concen: 28.75 ug/ml  
 RT: 9.001 min Scan# 1032  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion:166 Resp: 479804  
 Ion Ratio Lower Upper  
 166 100  
 165 92.9 73.9 110.9

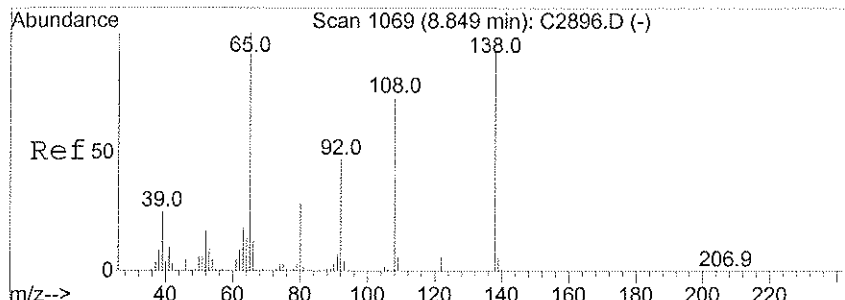


#53  
 4-Chlorophenyl phenyl ether  
 Concen: 28.22 ug/ml  
 RT: 8.952 min Scan# 1023  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion:204 Resp: 221391  
 Ion Ratio Lower Upper  
 204 100  
 206 32.6 26.0 39.0

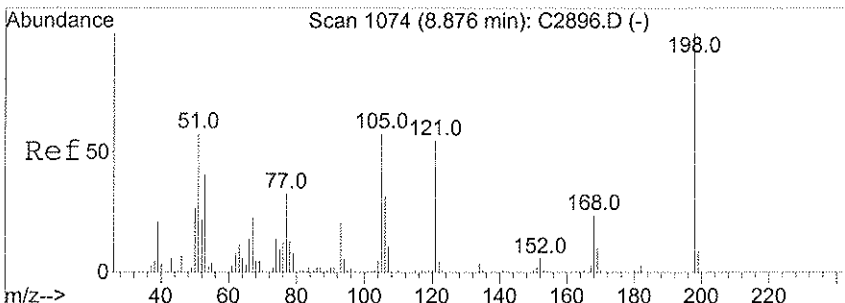
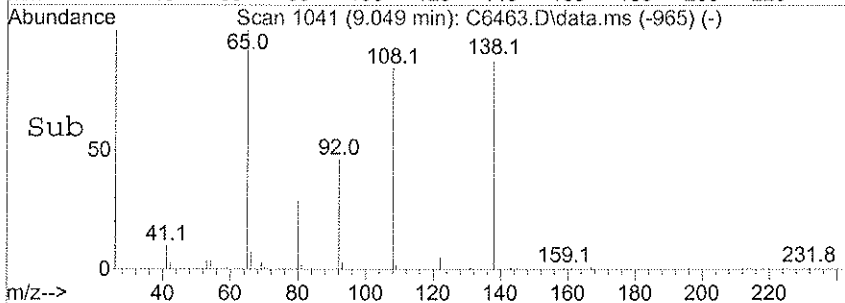
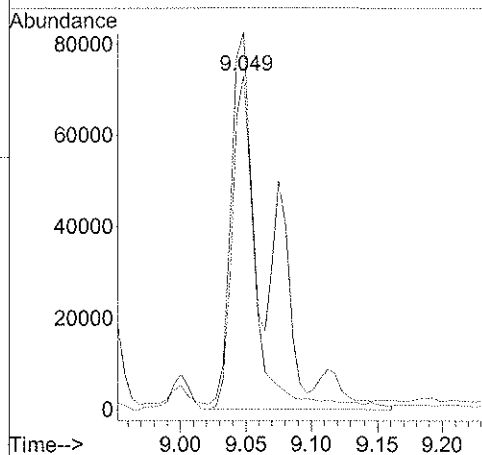
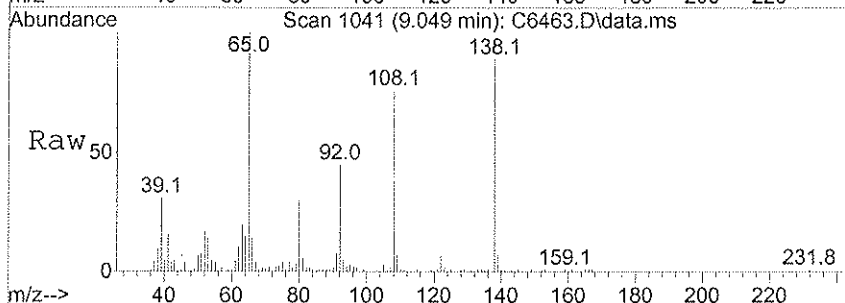






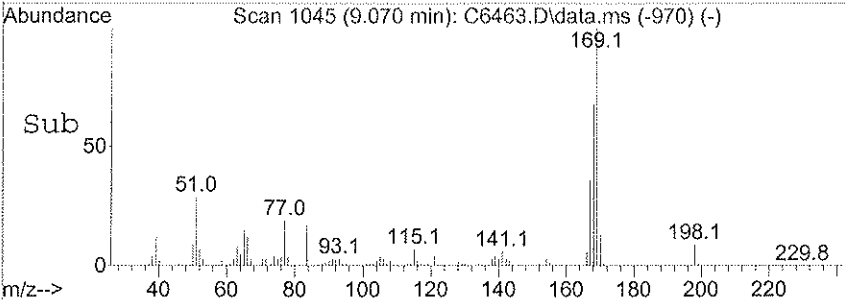
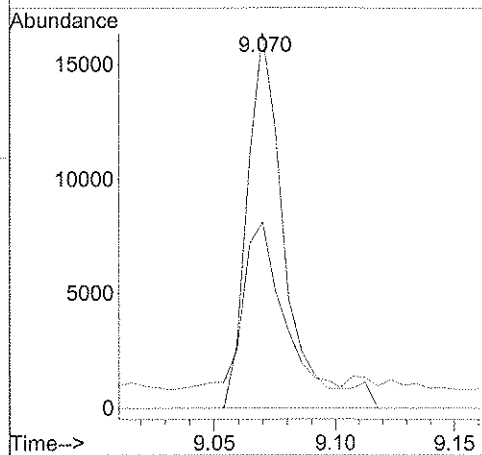
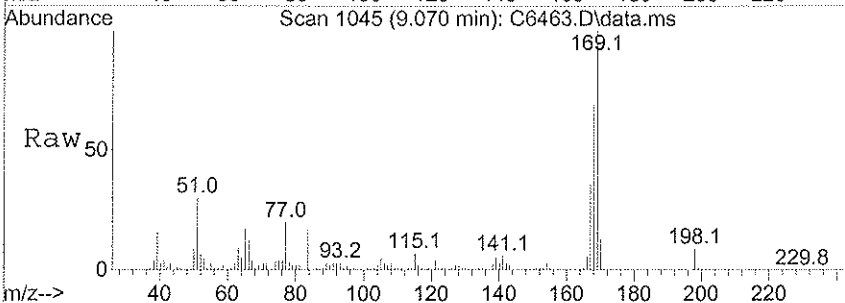
#54  
 4-Nitroaniline  
 Concen: 26.64 ug/ml  
 RT: 9.049 min Scan# 1041  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

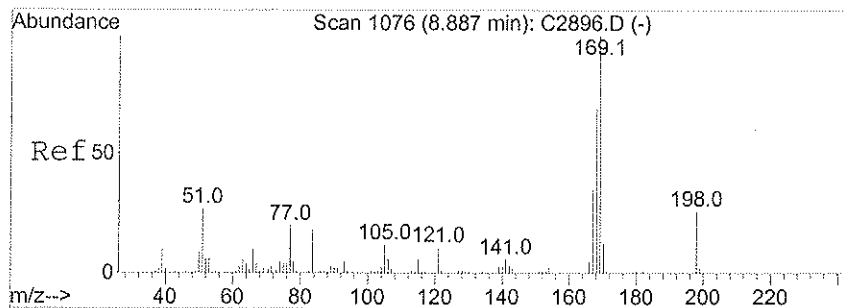
Tgt Ion:	138	Resp:	92944
Ion Ratio	Lower	Upper	
138	100		
65	113.0	93.0	139.4



#56  
 4,6-Dinitro-2-methylphenol  
 Concen: 106.03 ug/ml  
 RT: 9.070 min Scan# 1045  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

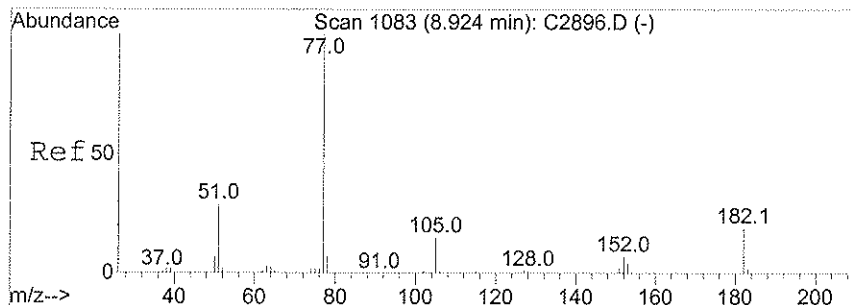
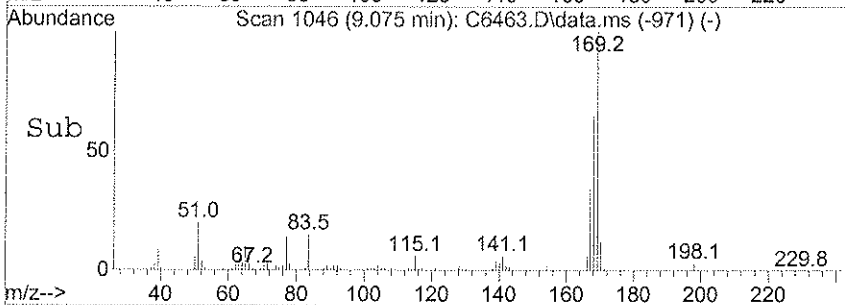
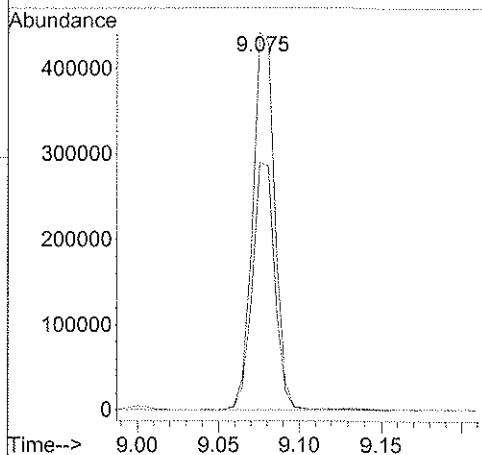
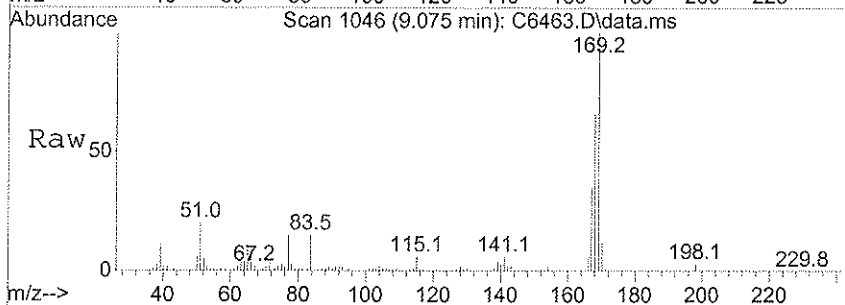
Tgt Ion:	198	Resp:	17444
Ion Ratio	Lower	Upper	
198	100		
121	49.6	34.5	51.7





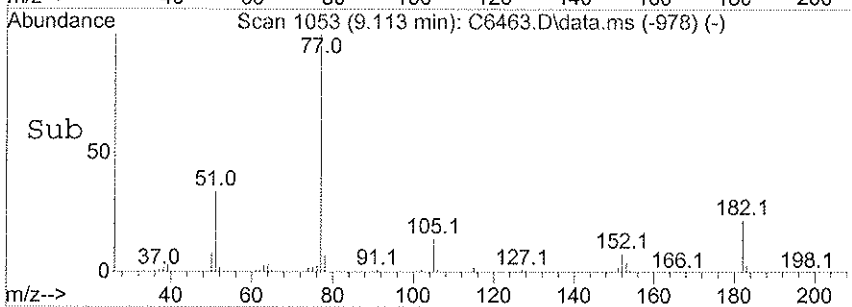
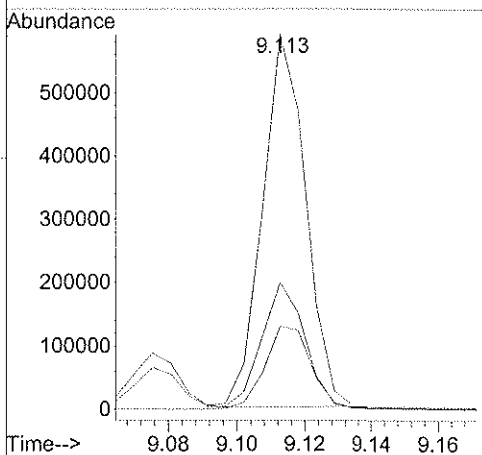
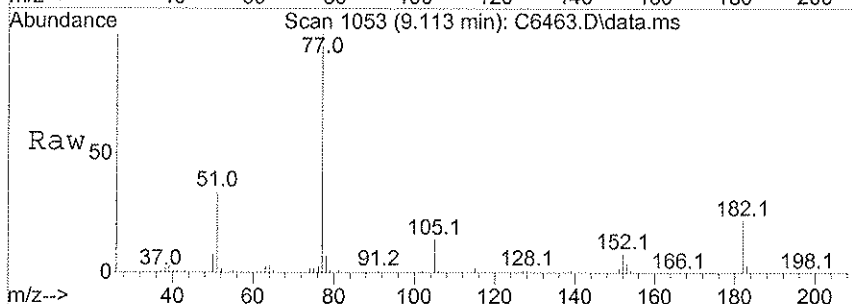
#57  
 N-Nitrosodiphenylamine  
 Concen: 35.06 ug/ml  
 RT: 9.075 min Scan# 1046  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

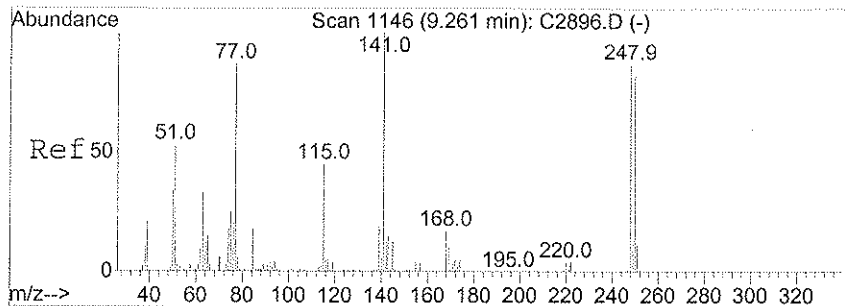
Tgt Ion:	169	Resp:	422639
Ion Ratio	Lower	Upper	
169	100		
168	65.6	54.6	81.8



#58  
 1,2-Diphenylhydrazine  
 Concen: 26.34 ug/ml  
 RT: 9.113 min Scan# 1053  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

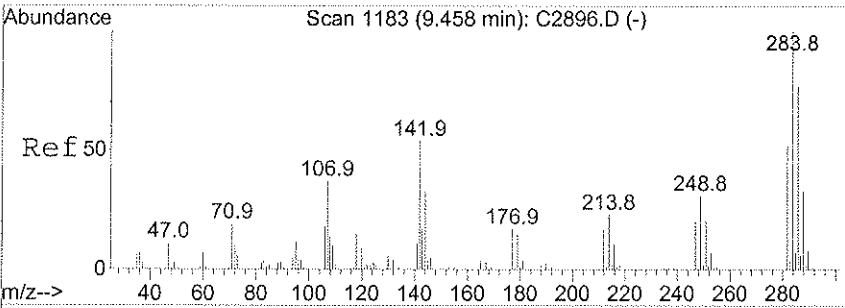
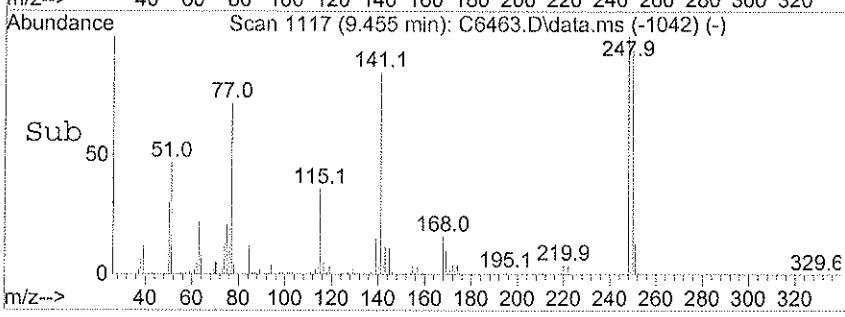
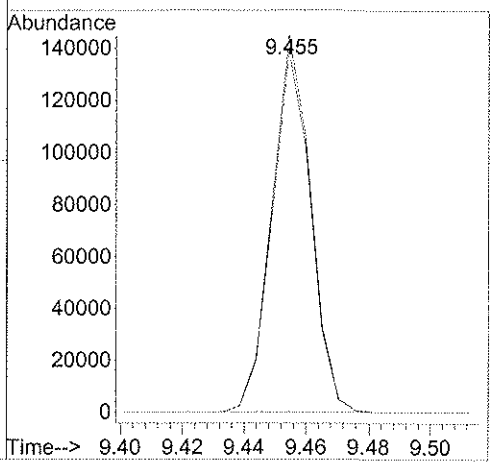
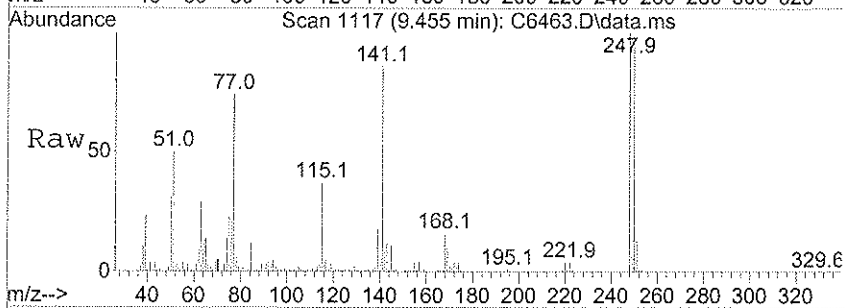
Tgt Ion:	77	Resp:	520340
Ion Ratio	Lower	Upper	
77	100		
182	22.0	17.4	26.0
51	33.7	26.1	39.1





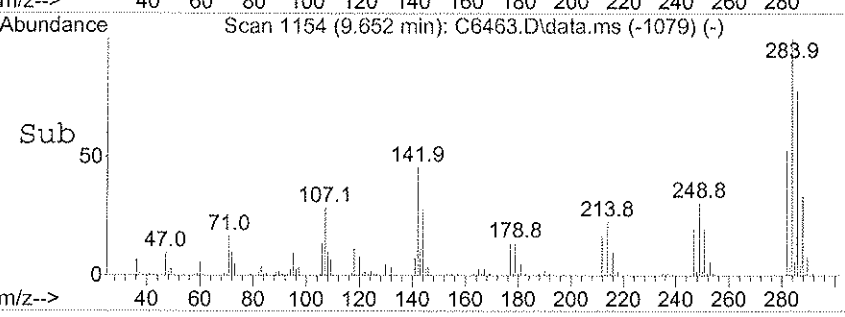
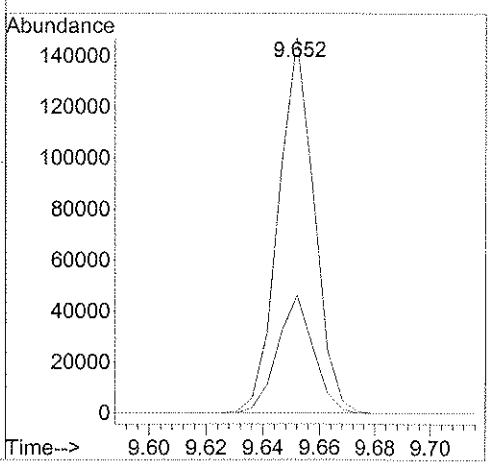
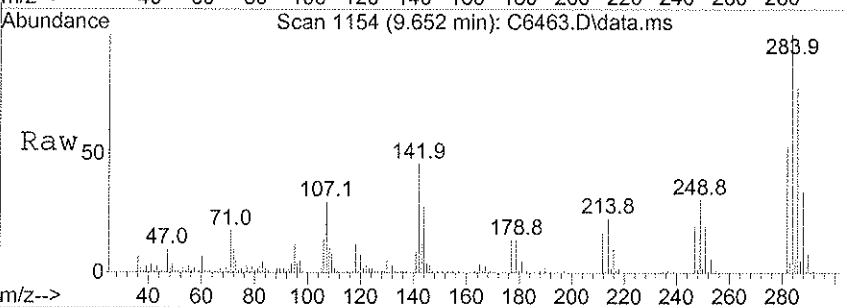
#60  
 4-Bromophenyl phenyl ether  
 Concen: 29.09 ug/ml  
 RT: 9.455 min Scan# 1117  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

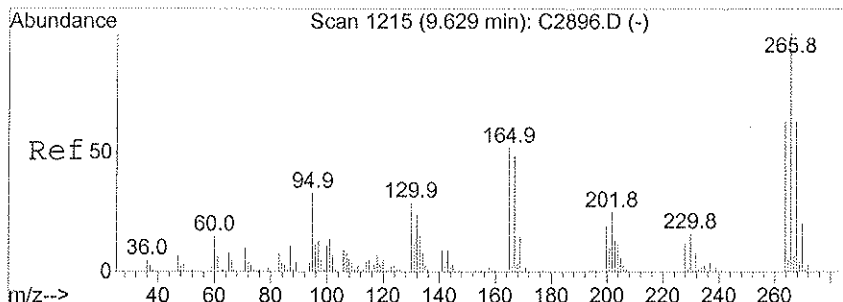
Tgt Ion:	248	Resp:	126526
Ion Ratio	Lower	Upper	
248	100		
250	96.0	77.4	116.0



#61  
 Hexachlorobenzene  
 Concen: 28.92 ug/ml  
 RT: 9.652 min Scan# 1154  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

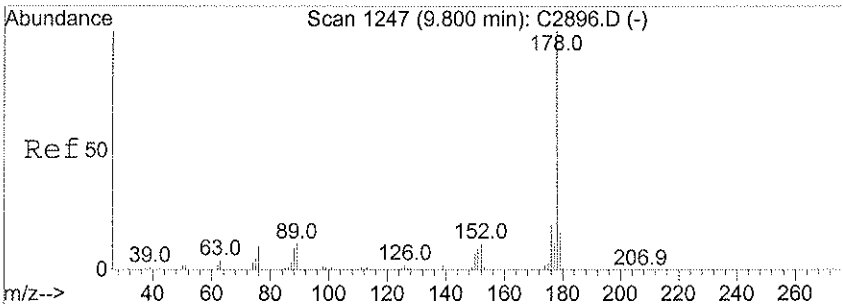
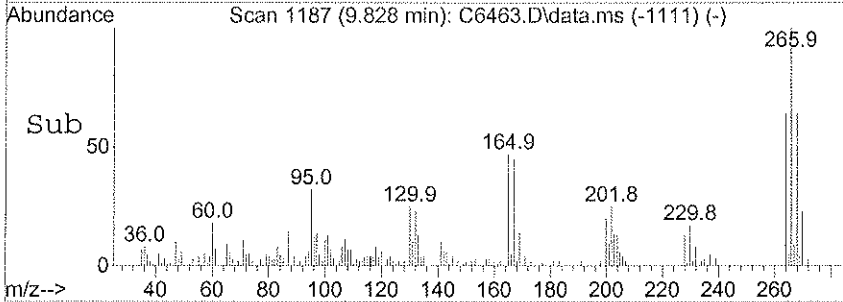
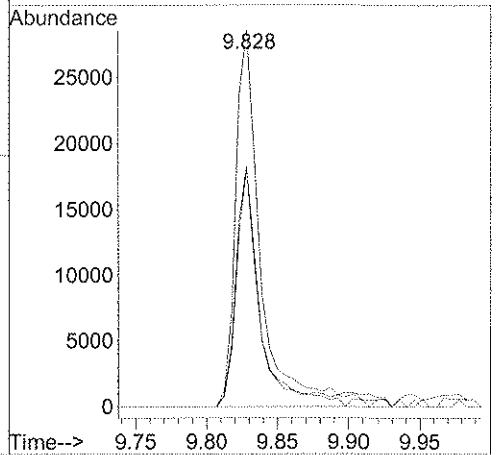
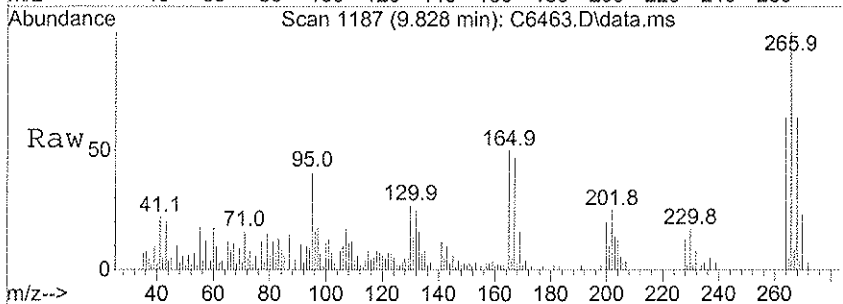
Tgt Ion:	284	Resp:	129427
Ion Ratio	Lower	Upper	
284	100		
249	31.4	23.7	35.5





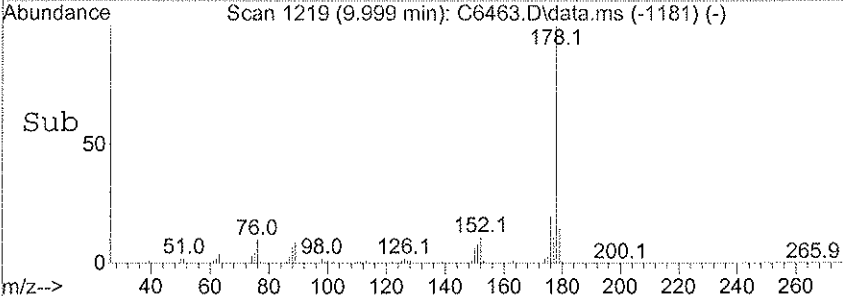
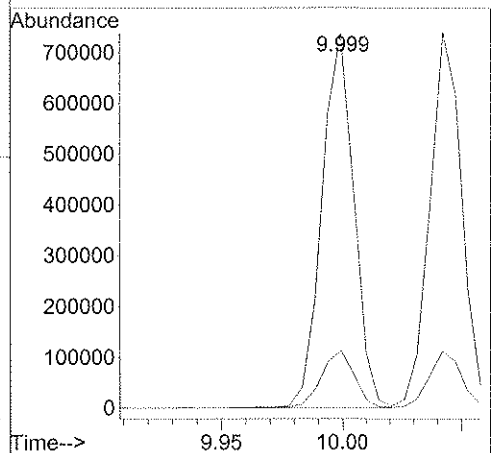
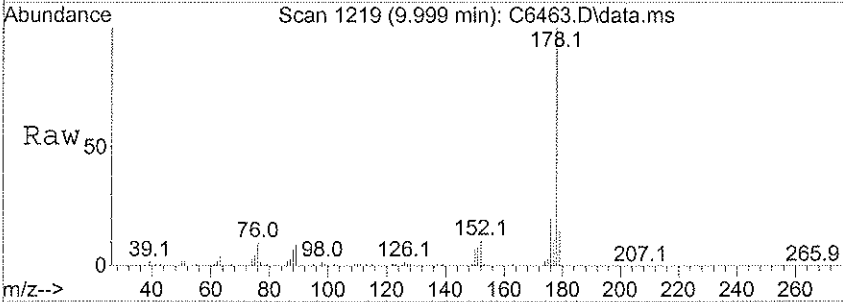
#62  
 Pentachlorophenol  
 Concen: 50.98 ug/ml  
 RT: 9.828 min Scan# 1187  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

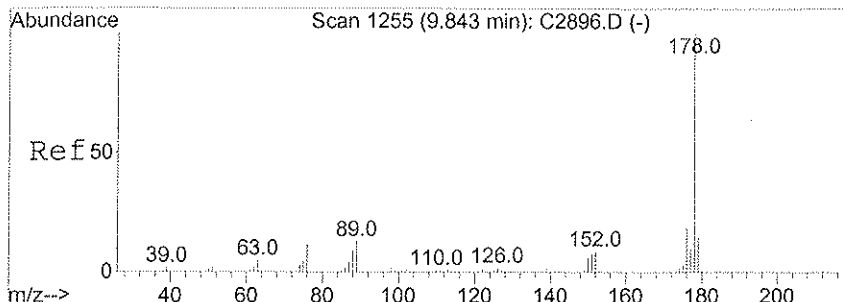
Tgt Ion	Resp	Lower	Upper
266	36387		
264	64.0	50.3	75.5
268	63.8	48.7	73.1



#63  
 Phenanthrene  
 Concen: 29.63 ug/ml  
 RT: 9.999 min Scan# 1219  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

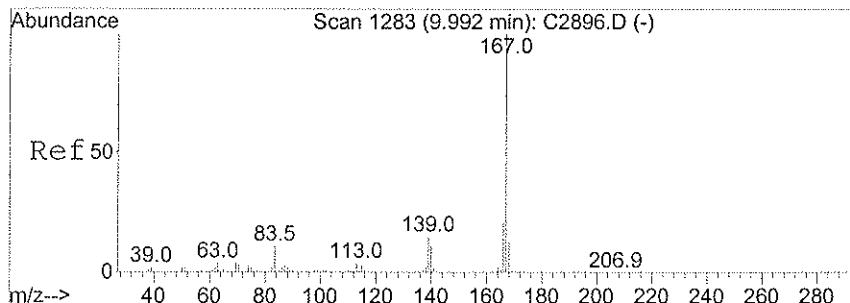
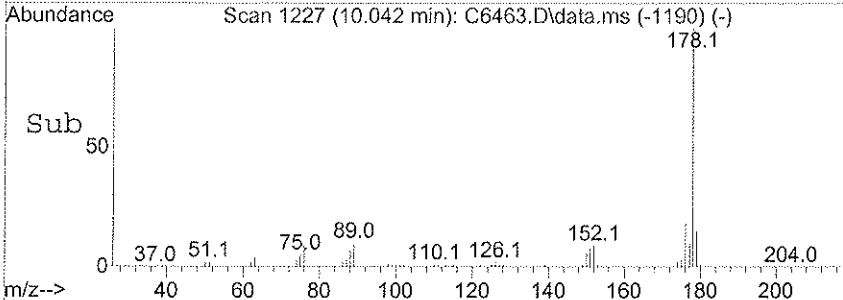
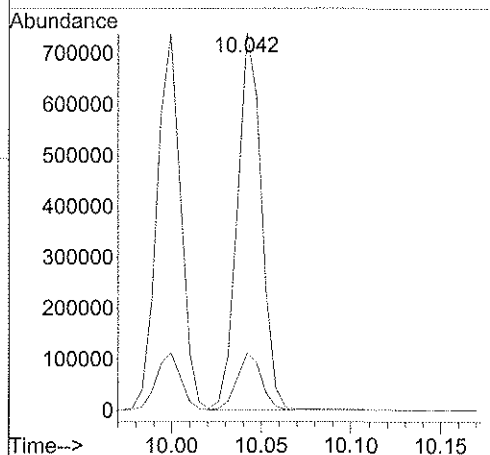
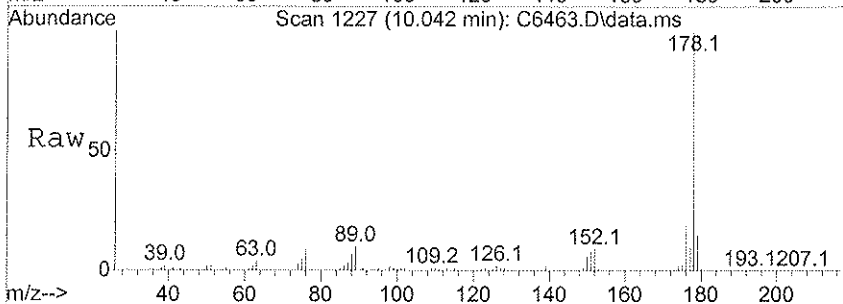
Tgt Ion	Resp	Lower	Upper
178	684777		
179	15.3	12.1	18.1





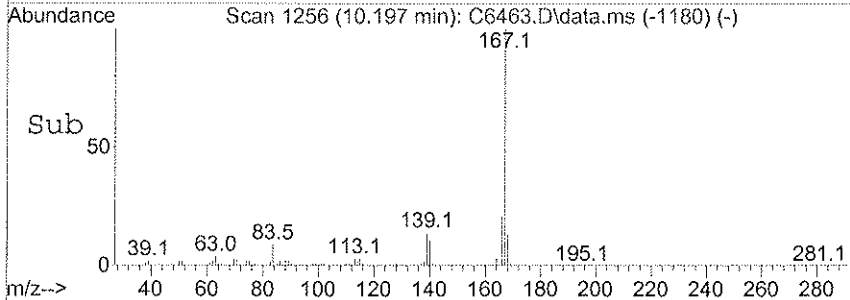
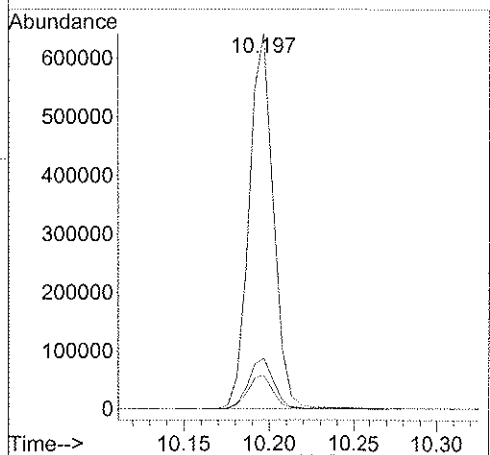
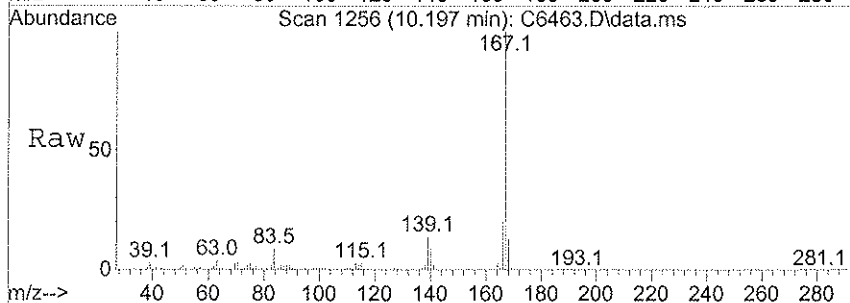
#64  
 Anthracene  
 Concen: 30.27 ug/ml  
 RT: 10.042 min Scan# 1227  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

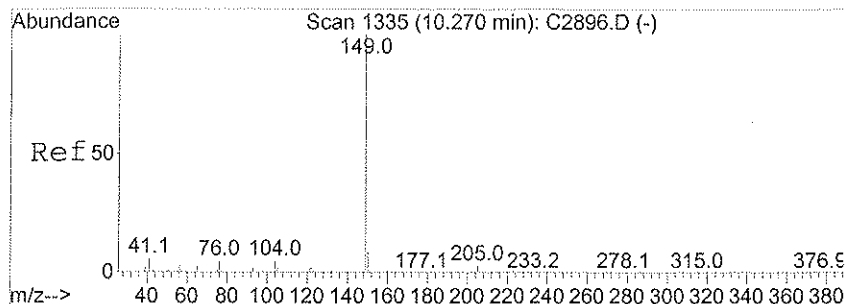
Tgt Ion: 178 Resp: 694734  
 Ion Ratio Lower Upper  
 178 100  
 179 15.1 12.2 18.2



#65  
 Carbazole  
 Concen: 31.91 ug/ml  
 RT: 10.197 min Scan# 1256  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

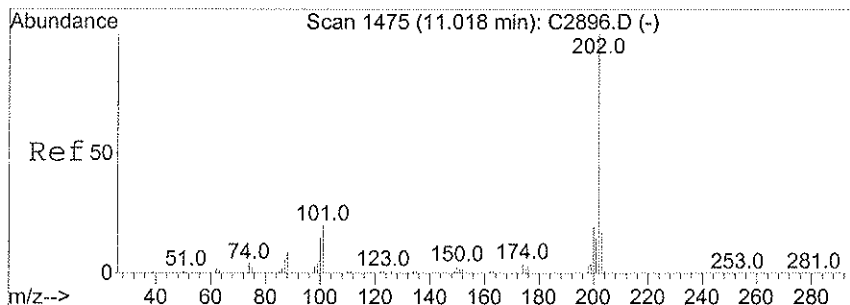
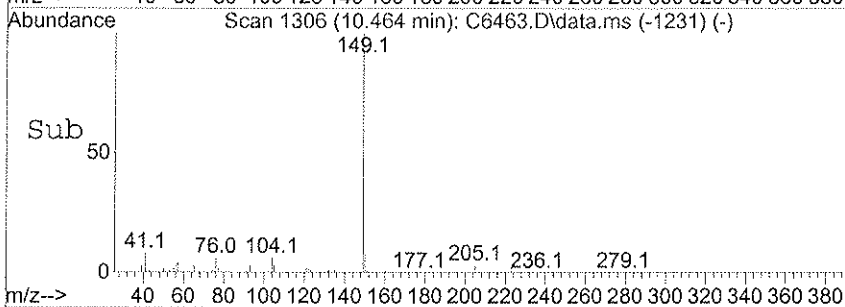
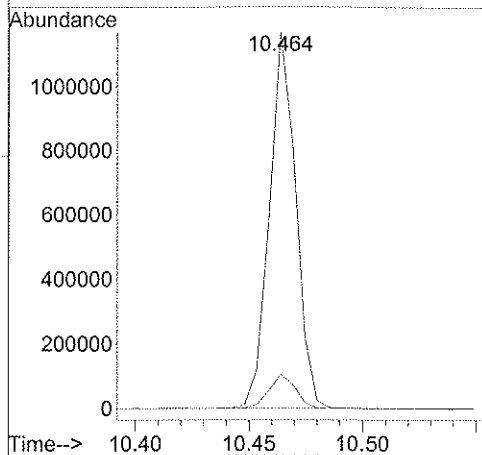
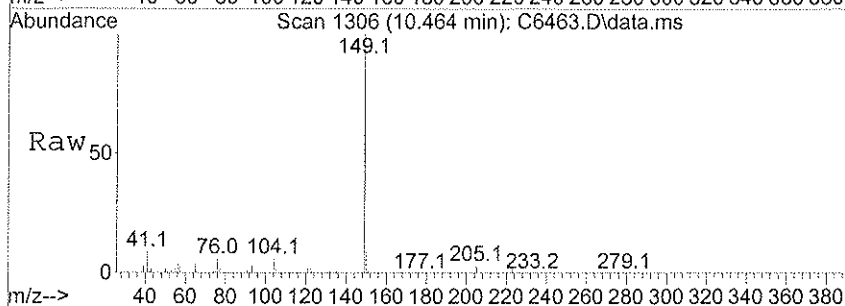
Tgt Ion: 167 Resp: 641356  
 Ion Ratio Lower Upper  
 167 100  
 139 13.6 11.0 16.6  
 84 8.9 7.8 11.6





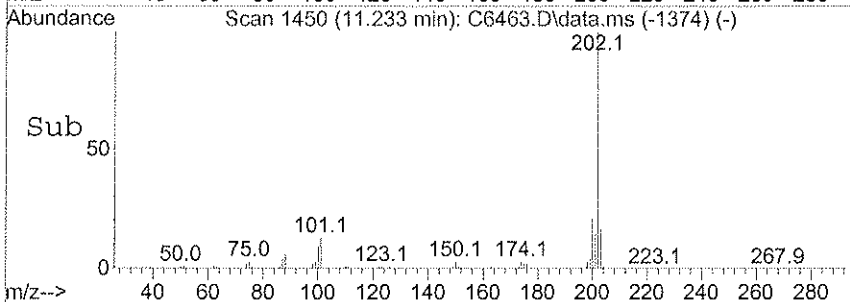
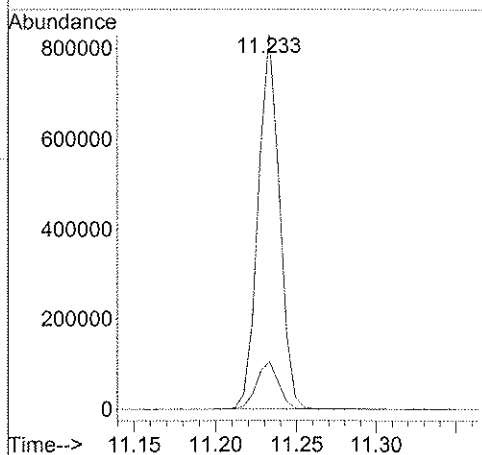
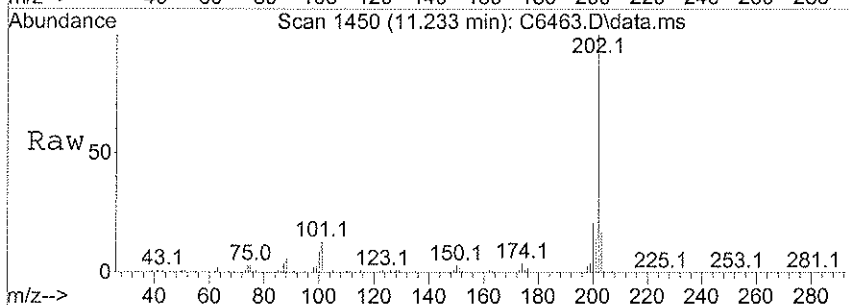
#66  
 Di-n-butylphthalate  
 Concen: 30.57 ug/ml  
 RT: 10.464 min Scan# 1306  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

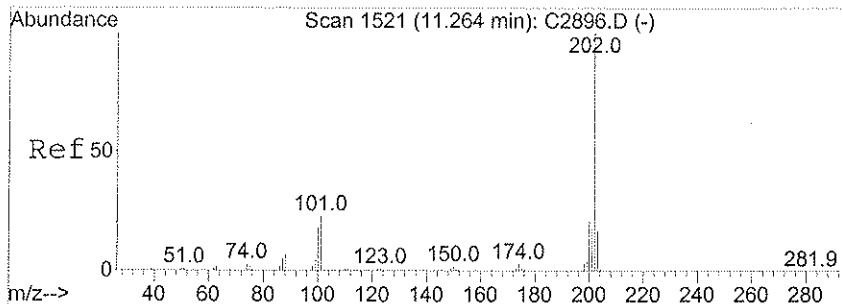
Tgt Ion: 149 Resp: 946215  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.2 10.8



#67  
 Fluoranthene  
 Concen: 30.92 ug/ml  
 RT: 11.233 min Scan# 1450  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

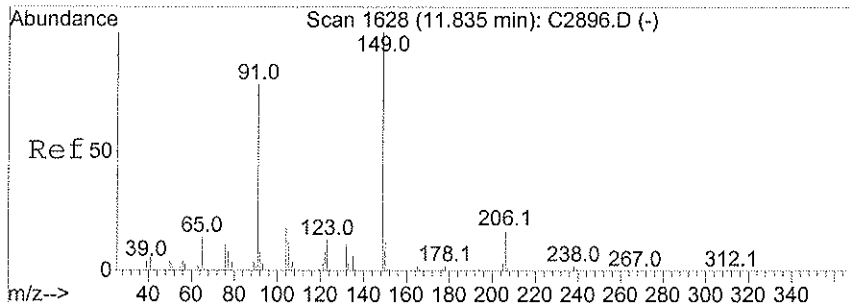
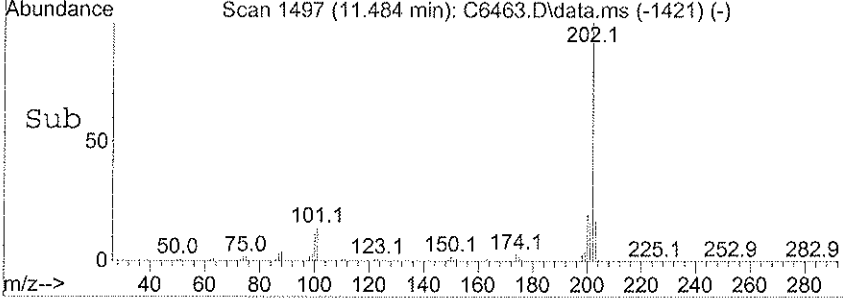
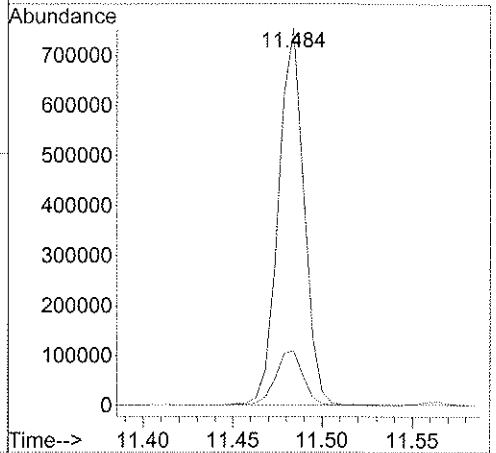
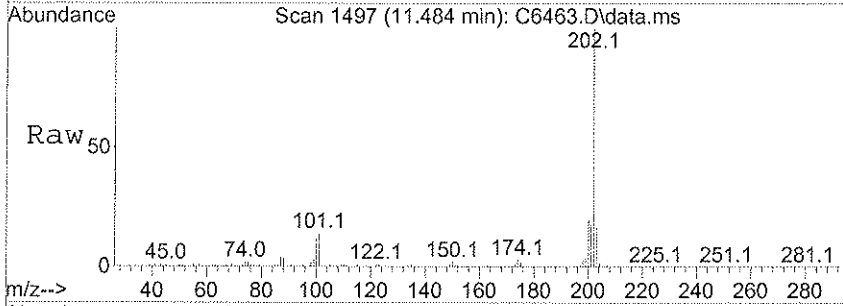
Tgt Ion: 202 Resp: 765565  
 Ion Ratio Lower Upper  
 202 100  
 101 12.7 11.6 17.4





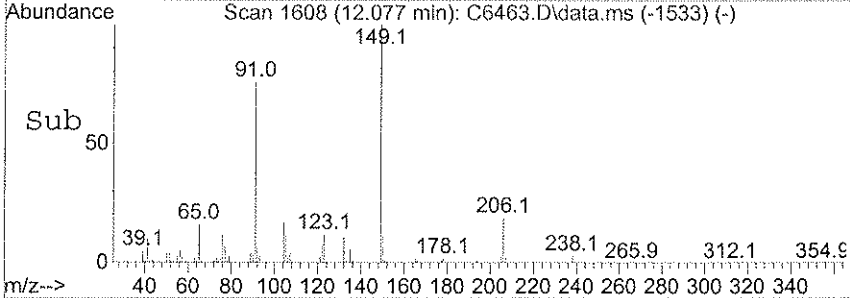
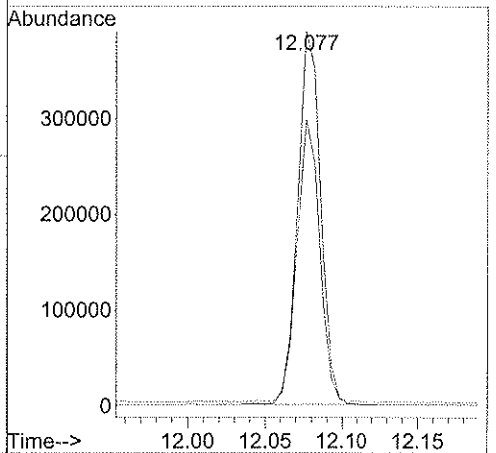
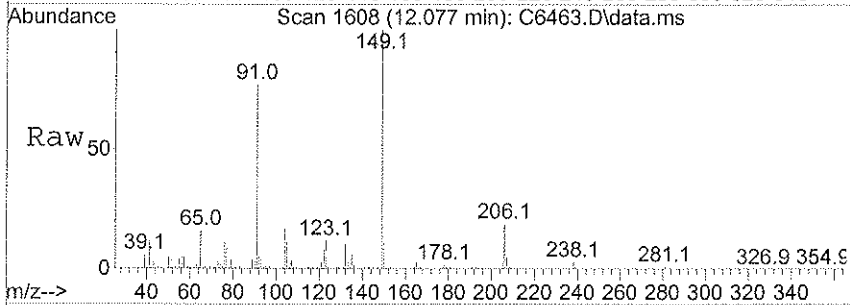
#70  
 Pyrene  
 Concen: 29.12 ug/ml  
 RT: 11.484 min Scan# 1497  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

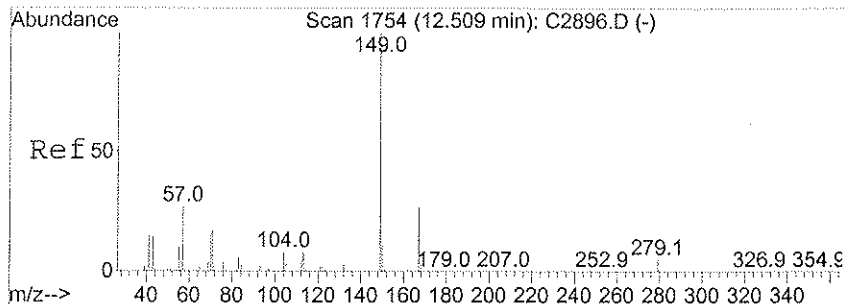
Tgt Ion	Resp	Lower	Upper
202	100		
101	14.5	13.6	20.4



#72  
 Butylbenzylphthalate  
 Concen: 29.40 ug/ml  
 RT: 12.077 min Scan# 1608  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

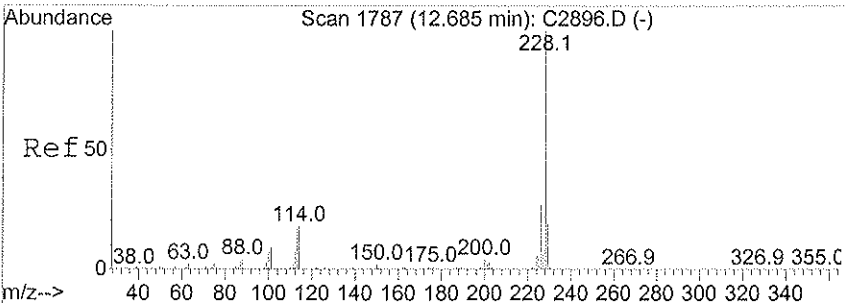
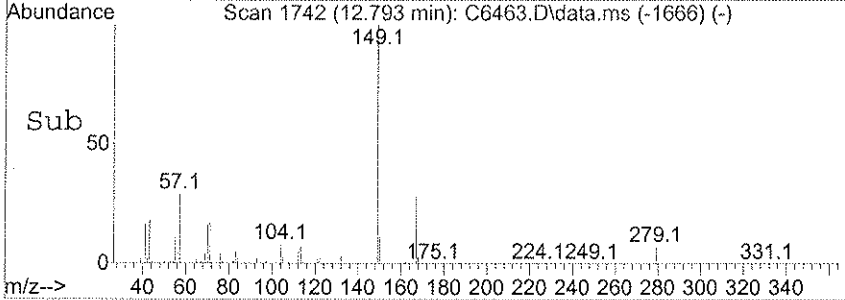
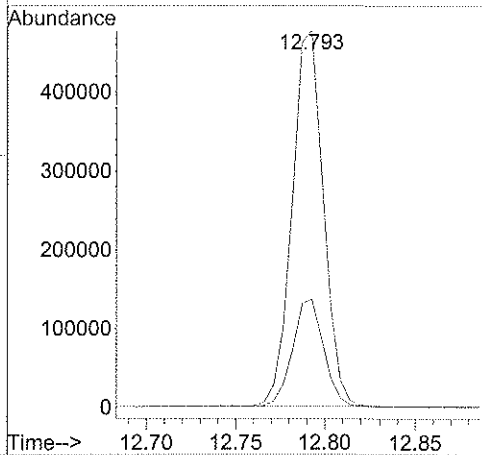
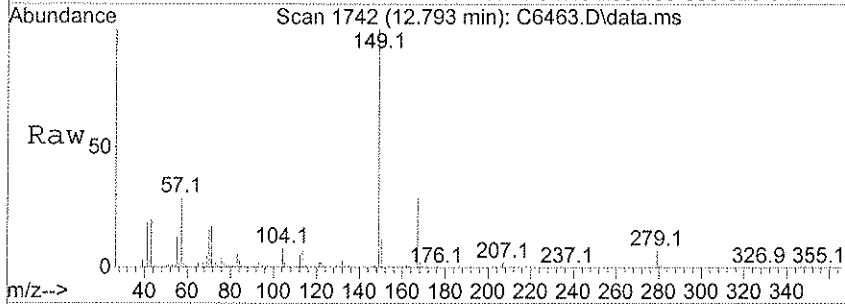
Tgt Ion	Resp	Lower	Upper
149	100		
91	76.5	58.4	87.6





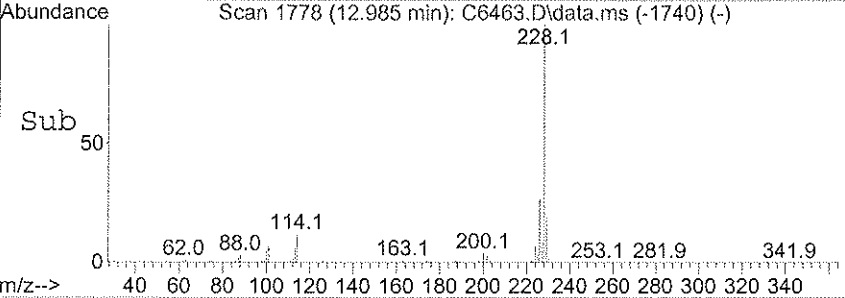
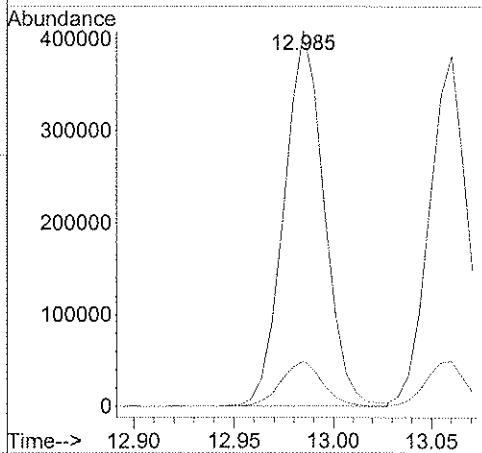
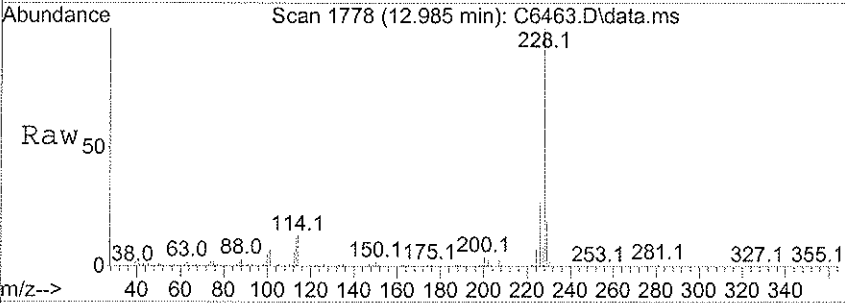
#74  
 bis(2-Ethylhexyl) phthalate  
 Concen: 29.24 ug/ml  
 RT: 12.793 min Scan# 1742  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.6	33.8

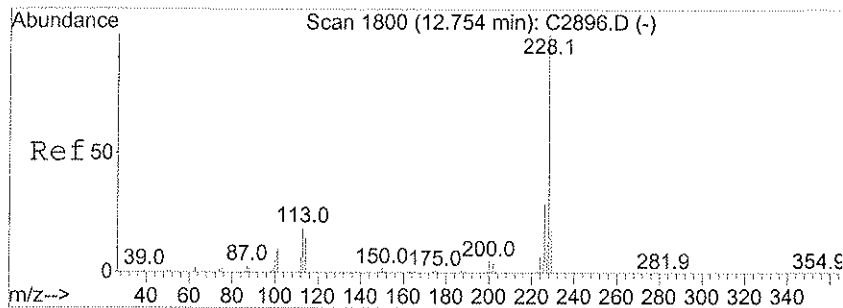


#75  
 Benzo (a) anthracene  
 Concen: 30.87 ug/ml  
 RT: 12.985 min Scan# 1778  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Ratio	Lower	Upper
228	100		
113	12.1	9.6	14.4

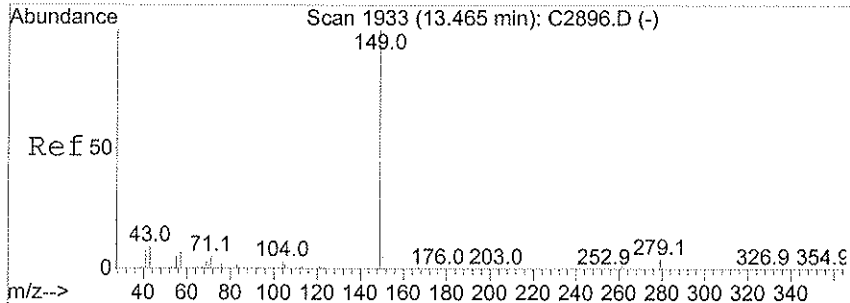
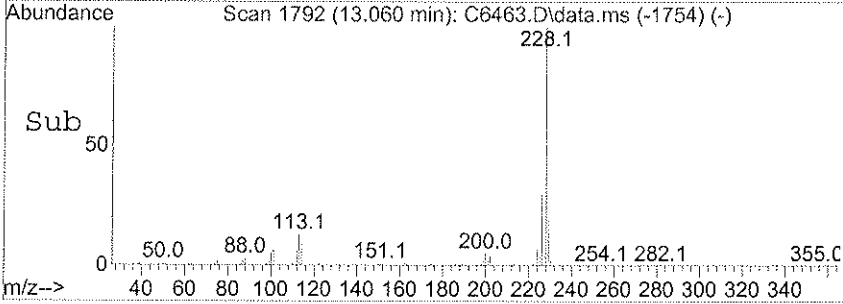
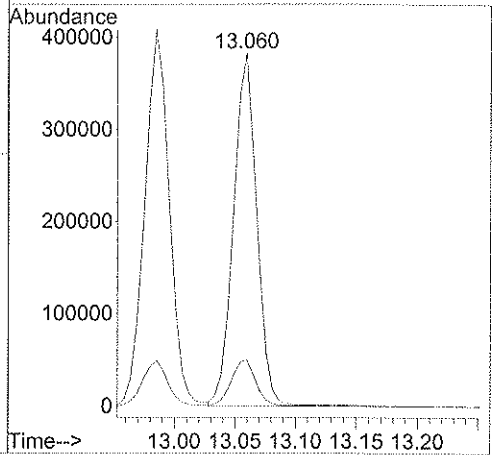
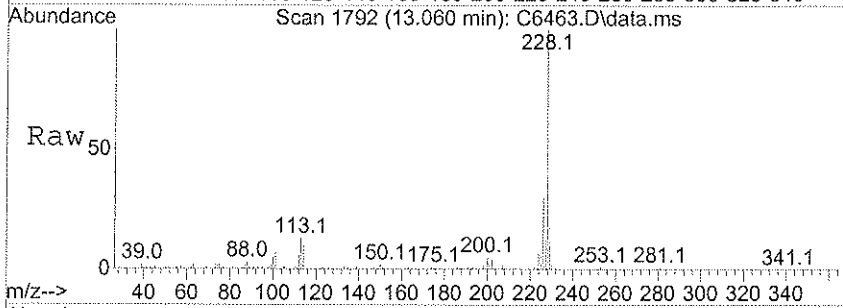






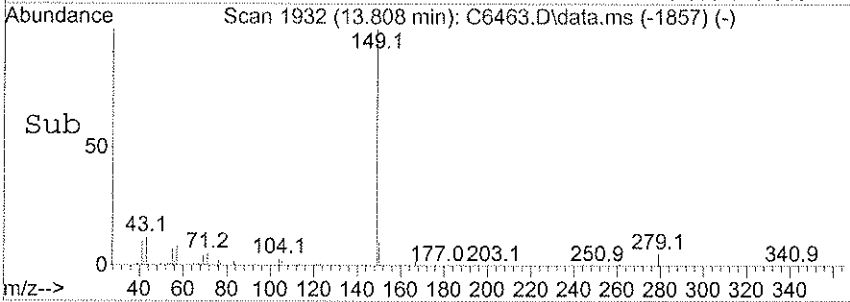
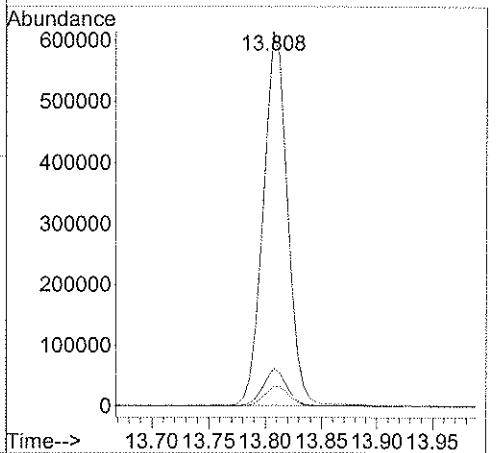
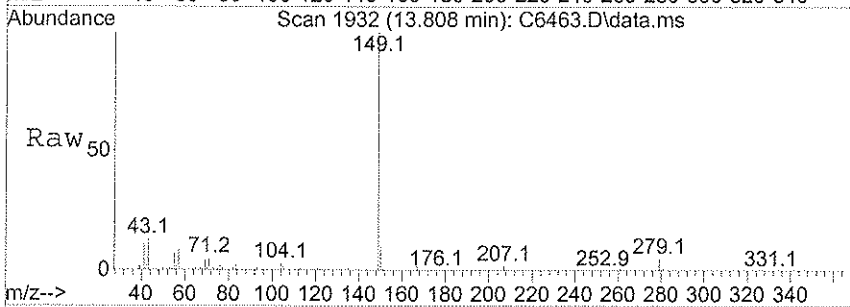
#76  
 Chrysene  
 Concen: 29.68 ug/ml  
 RT: 13.060 min Scan# 1792  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

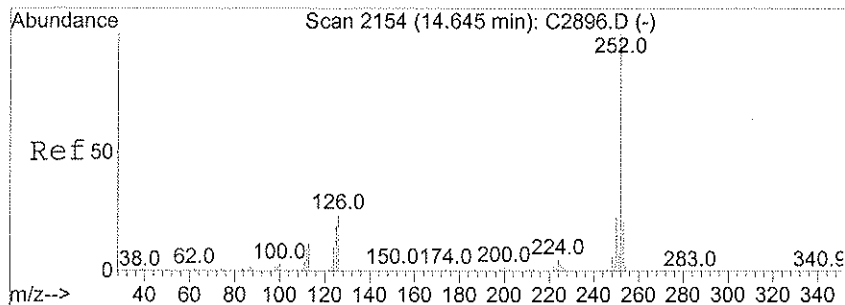
Tgt Ion: 228 Resp: 517866  
 Ion Ratio Lower Upper  
 228 100  
 113 13.1 11.7 17.5



#78  
 Di-n-octylphthalate  
 Concen: 26.57 ug/ml  
 RT: 13.808 min Scan# 1932  
 Delta R.T. -0.002 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

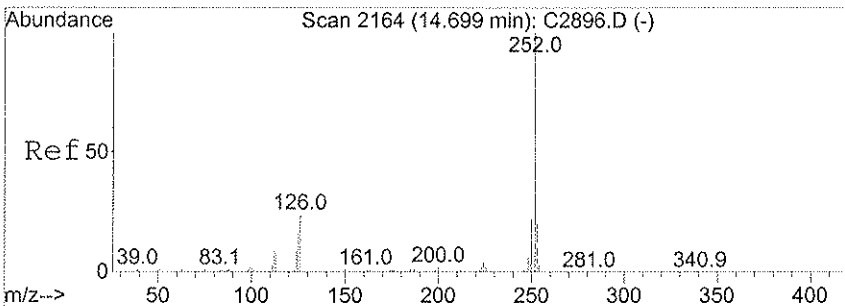
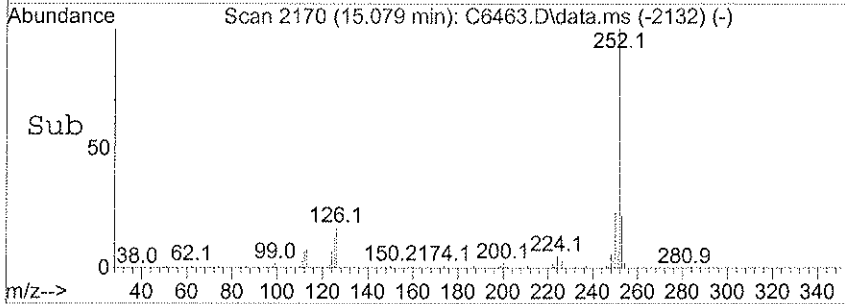
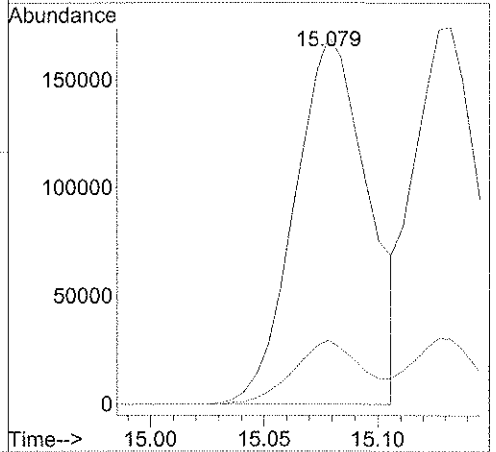
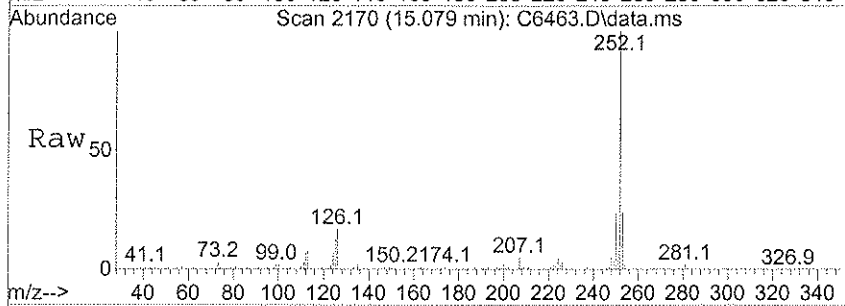
Tgt Ion: 149 Resp: 919661  
 Ion Ratio Lower Upper  
 149 100  
 150 10.0 8.2 12.2  
 279 5.2 4.3 6.5





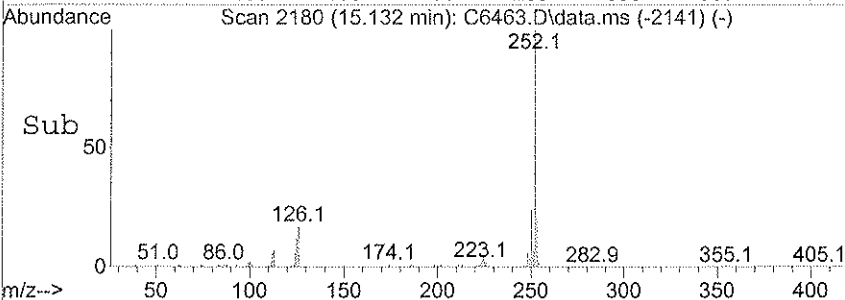
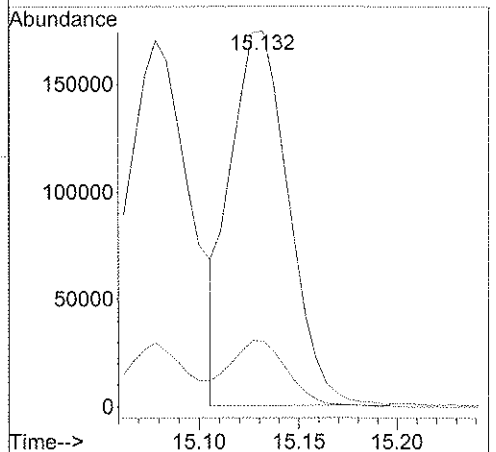
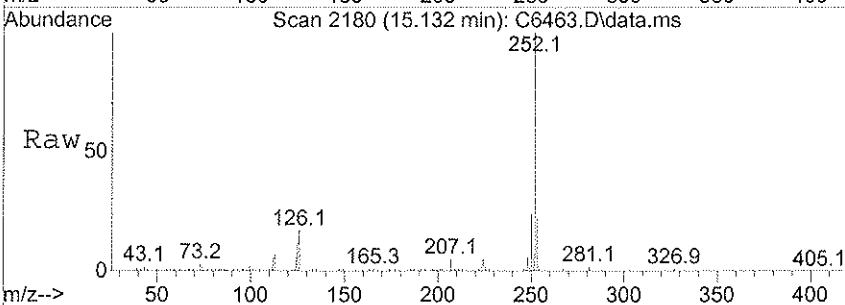
#79  
 Benzo (b) fluoranthene  
 Concen: 30.68 ug/ml  
 RT: 15.079 min Scan# 2170  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

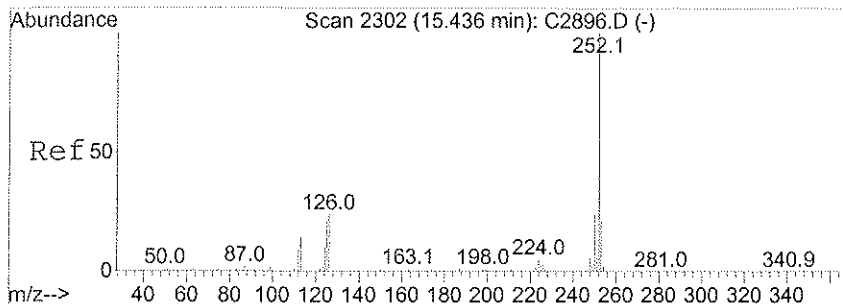
Tgt Ion	Resp	Lower	Upper
252	100		
126	17.4	12.6	19.0



#80  
 Benzo (k) fluoranthene  
 Concen: 30.88 ug/ml  
 RT: 15.132 min Scan# 2180  
 Delta R.T. 0.009 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

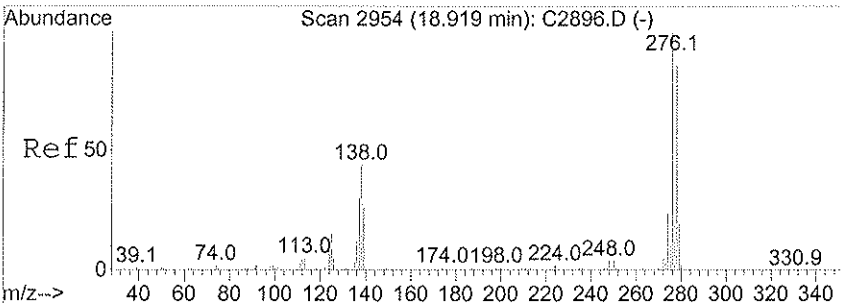
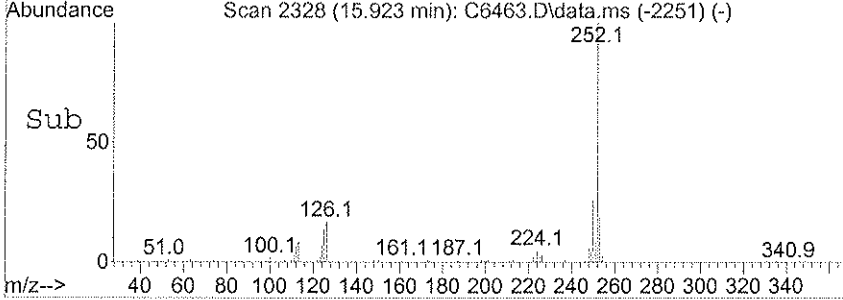
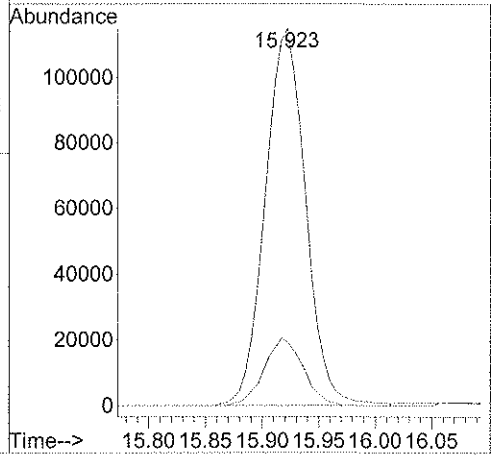
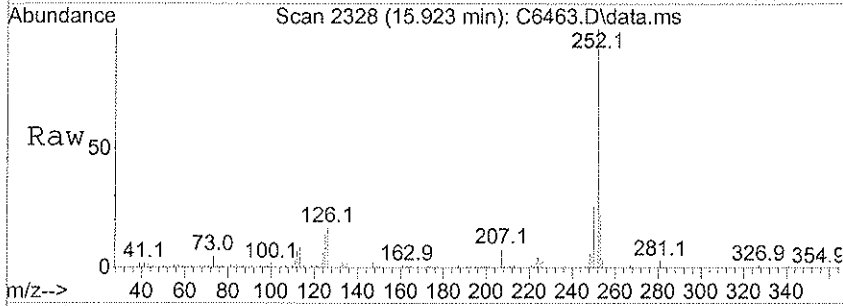
Tgt Ion	Resp	Lower	Upper
252	100		
126	17.3	14.5	21.7





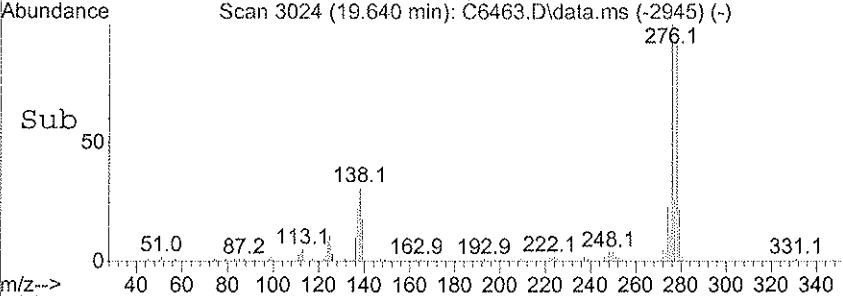
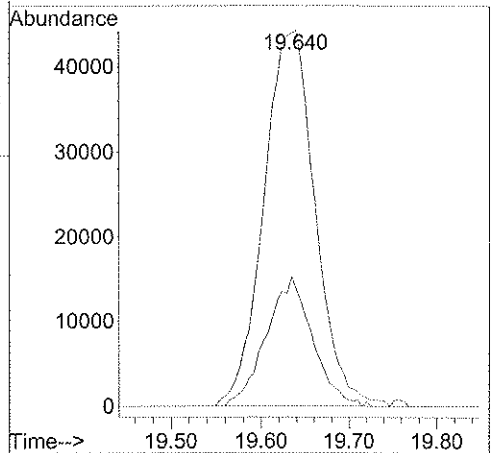
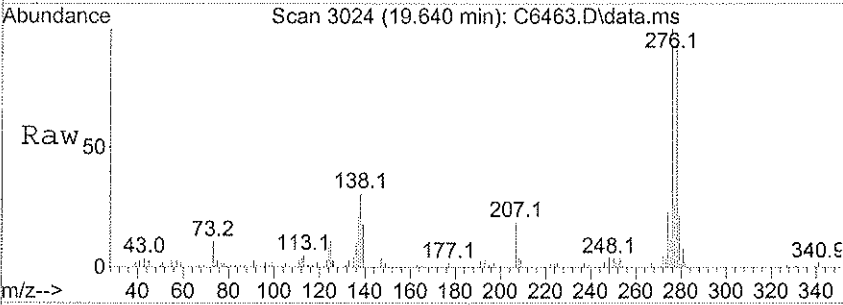
#81  
 Benzo (a) pyrene  
 Concen: 32.92 ug/ml  
 RT: 15.923 min Scan# 2328  
 Delta R.T. 0.009 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

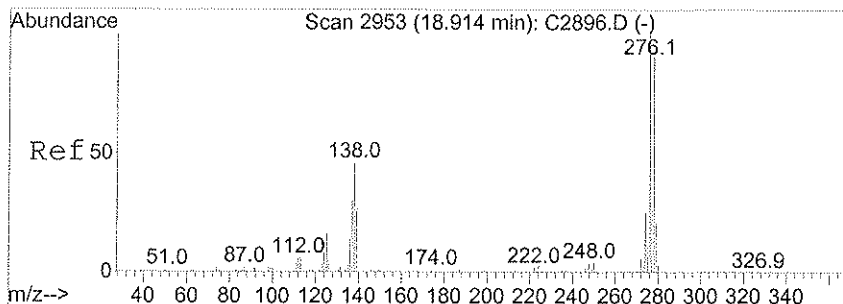
Tgt Ion	Resp	Lower	Upper
252	100		
126	16.6	13.9	20.9



#82  
 Indeno (1, 2, 3-cd) pyrene  
 Concen: 37.74 ug/ml  
 RT: 19.640 min Scan# 3024  
 Delta R.T. 0.020 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

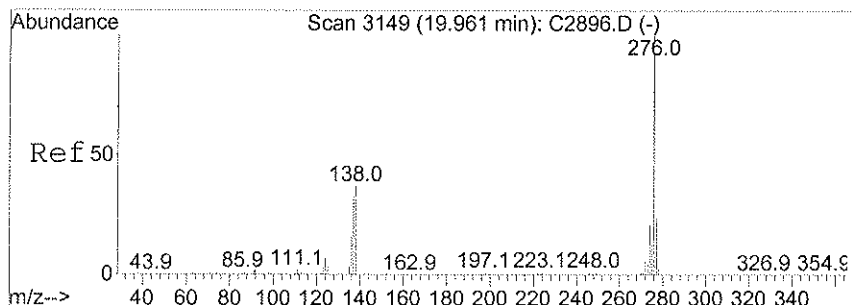
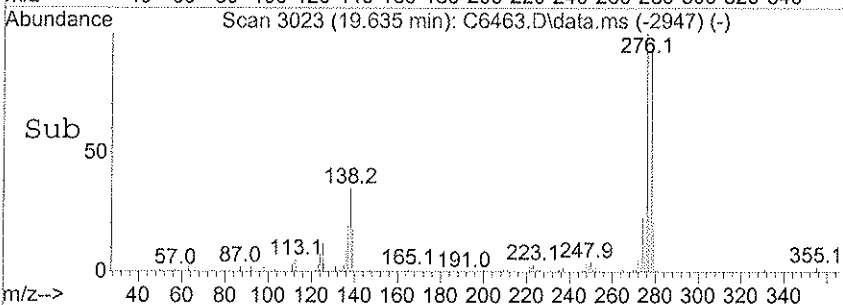
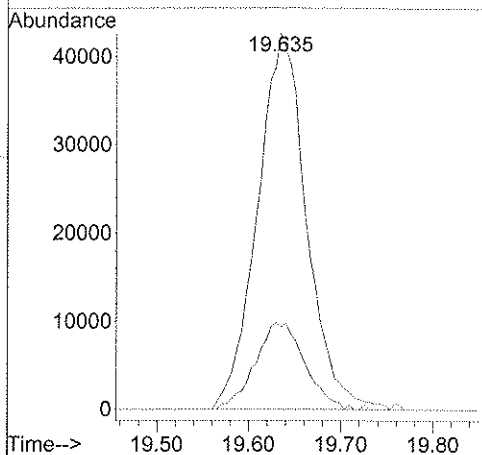
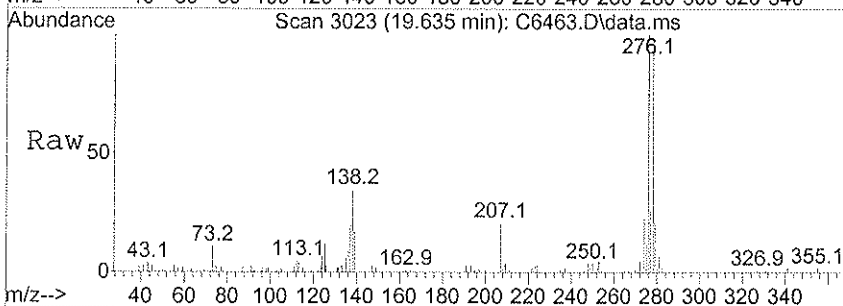
Tgt Ion	Resp	Lower	Upper
276	100		
138	31.1	23.0	34.6





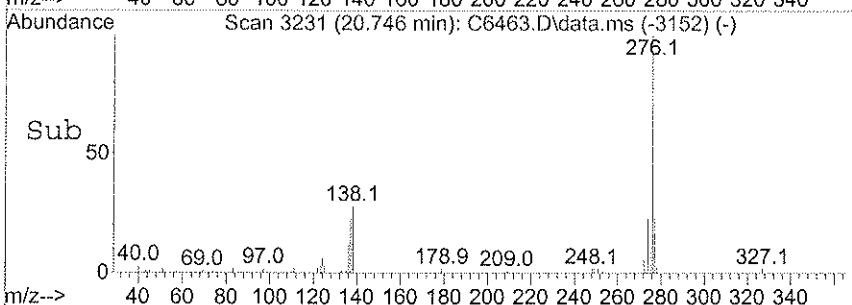
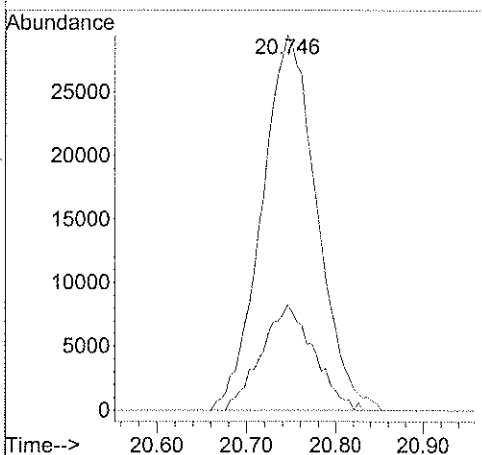
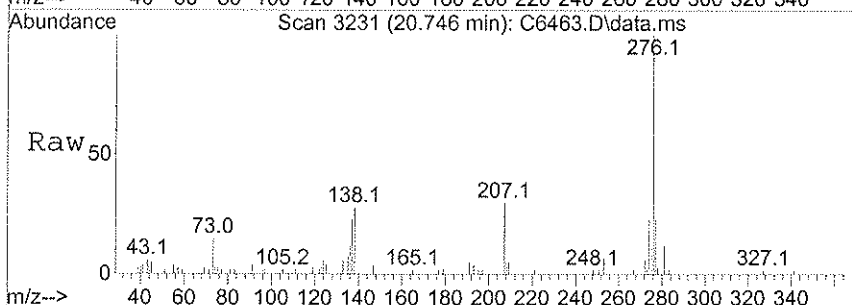
#83  
 Dibenz(a,h)anthracene  
 Concen: 38.46 ug/ml  
 RT: 19.635 min Scan# 3023  
 Delta R.T. 0.004 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
278	157924		
279	21.9	16.7	25.1



#84  
 Benzo(g,h,i)perylene  
 Concen: 36.14 ug/ml  
 RT: 20.746 min Scan# 3231  
 Delta R.T. 0.020 min  
 Lab File: C6463.D  
 Acq: 23 Apr 2012 6:37 pm

Tgt Ion	Resp	Lower	Upper
276	126184		
138	28.0	17.4	26.0#



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Standards Data**

*Environmental Quality Services, Inc.*

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2854Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Calibration End Date: 4/23/2012 1:57:00 PM

ID	ANALYTE	Sample Type	File ID: C6450 RRF5	File ID: C6451 RRF10	File ID: C6452 RRF20	File ID: C6453 RRF0	File ID: C6454 RRF80	RRF	% RSD
1	1,4 Dichlorobenzene-d4	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
2	n-Nitrosodimethylamine	T	0.9097	0.8777	0.8669	0.8185	0.8041	0.8553	5.08
3	Pyridine	T	1.8258	1.8843	1.9261	1.7974	1.7933	1.8453	3.13
4	2-Fluorophenol	S	1.3475	1.3948	1.3749	1.4772	1.4921	1.4173	4.51
5	Phenol-d6	S	1.7032	1.8279	1.7962	1.9903	2.0645	1.8764	7.86
6	Phenol	C	2.1165	2.2197	2.3088	2.2027	2.2962	2.2287	3.49*
7	Aniline	T	0.7149	0.7242	0.7614	0.7050	0.7355	0.7282	2.98
8	bis(2-chloroethyl)ether	T	1.3175	1.3560	1.3936	1.3035	1.3537	1.3448	2.63
9	2-Chlorophenol	M	1.5251	1.6103	1.6865	1.5799	1.6313	1.6066	3.72
10	1,3-Dichlorobenzene	T	1.6946	1.7457	1.8011	1.6902	1.7260	1.7315	2.60
11	1,4-Dichlorobenzene	C	1.7037	1.7276	1.8177	1.7100	1.7444	1.7406	2.63*
12	Benzyl alcohol	T	0.8907	0.9270	0.9750	0.9184	0.9429	0.9308	3.34
13	1,2-Dichlorobenzene	M	1.5591	1.6403	1.7102	1.6328	1.7484	1.6581	4.43
14	2-Methylphenol(o-Cresol)	T	1.3626	1.4280	1.4751	1.4187	1.5105	1.4389	3.92
15	bis(2-chloroisopropyl)ether	T	2.5288	2.6249	2.6461	2.4762	2.4590	2.5470	3.34
16	3+4-Methylphenol(m,p-Cresol)	T	1.4007	1.4732	1.5355	1.4486	1.4752	1.4666	3.32
17	Di-n-propylnitrosamine	P	1.1854	1.2005	1.2426	1.1535	1.1723	1.1908	2.82*
18	Hexachloroethane	T	0.5861	0.6206	0.6508	0.6188	0.6419	0.6236	4.01
19	Naphthalene-d8	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
20	Nitrobenzene-d5	S	0.3838	0.4009	0.3996	0.4432	0.4612	0.4177	7.85
21	Nitrobenzene	T	0.1788	0.1828	0.1945	0.1866	0.1988	0.1883	4.37
22	Isophorone	M	0.6332	0.6446	0.6706	0.6493	0.6810	0.6557	2.98
23	2-Nitrophenol	C	0.1495	0.1658	0.1884	0.1897	0.2073	0.1801	12.54*
24	2,4-Dimethylphenol	T	0.3446	0.3655	0.3794	0.3666	0.3961	0.3704	5.13
25	Benzoic acid	T	0.0037	0.0138	0.0380	0.0590	0.0732	0.0375	78.13
26	bis(2-chloroethoxy)methane	T	0.4476	0.4587	0.4791	0.4624	0.4875	0.4670	3.44
27	2,4-Dichlorophenol	C	0.2714	0.2918	0.3053	0.3004	0.3258	0.2989	6.63*
28	1,2,4-Trichlorobenzene	M	0.3079	0.3229	0.3351	0.3275	0.3543	0.3295	5.16
29	Naphthalene	M	1.0677	1.0882	1.1328	1.1050	1.1848	1.1157	4.06
30	4-Chloroaniline	T	0.3878	0.4182	0.4254	0.4110	0.4307	0.4146	4.03
31	Hexachlorobutadiene	C	0.1808	0.1892	0.1951	0.1923	0.2066	0.1928	4.87*

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

M = Matrix Spike Compound

G = Analytical Group

S = Surrogate Standard

I = Internal Standard

P = System Performance Check Compound

C = Calibration Check Compound

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2854Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Calibration End Date: 4/23/2012 1:57:00 PM

ID	ANALYTE	Sample Type	File ID: C6450 RRF5	File ID: C6451 RRF10	File ID: C6452 RRF20	File ID: C6453 RRF0	File ID: C6454 RRF80	RRF	% RSD
32	4-Chloro-3-methylphenol	C	0.3119	0.3312	0.3464	0.3355	0.3476	0.3345	4.32 *
33	2-Methylnaphthalene	M	0.7055	0.7412	0.7856	0.7679	0.8381	0.7676	6.46
34	Acenaphthene-d10	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
35	Hexachlorocyclopentadiene	P	0.0798	0.1051	0.1287	0.1278	0.1322	0.1147	19.41 *
36	2,4,6-Trichlorophenol	C	0.2886	0.3170	0.3519	0.3663	0.4035	0.3454	12.85 *
37	2,4,5-Trichlorophenol	T	0.2865	0.3322	0.3641	0.3777	0.4340	0.3589	15.24
38	2-Fluorobiphenyl	S	1.3729	1.4615	1.4867	1.7118	1.8721	1.5810	12.97
39	2-Chloronaphthalene	T	1.1466	1.2030	1.2751	1.2470	1.3746	1.2492	6.82
40	2-Nitroaniline	T	0.3171	0.3563	0.3875	0.3881	0.4131	0.3724	9.90
41	Dimethyl phthalate	T	1.3257	1.3909	1.4556	1.4209	1.5496	1.4285	5.79
42	2,6-Dinitrotoluene	T	0.2262	0.2675	0.2950	0.2946	0.3206	0.2807	12.75
43	Acenaphthylene	M	1.8556	1.9807	2.0719	2.0140	2.2062	2.0256	6.33
44	3-Nitroaniline	T	0.2565	0.2951	0.3338	0.3251	0.3466	0.3114	11.58
45	Acenaphthene	C	1.0920	1.1431	1.2087	1.1822	1.3245	1.1901	7.31 *
46	2,4-Dinitrophenol	P	0.0000	0.0000	0.0021	0.0098	0.0197	0.0105	83.76 *
47	4-Nitrophenol	P	0.1107	0.1561	0.1837	0.2006	0.2154	0.1733	23.86 *
48	2,4-Dinitrotoluene	M	0.2769	0.3442	0.3962	0.4163	0.4713	0.3809	19.38
49	Dibenzofuran	M	1.5832	1.6801	1.7752	1.7743	1.9871	1.7599	8.50
50	2,3,4,6-Tetrachlorophenol	T	0.1030	0.1401	0.1835	0.2036	0.2354	0.1731	30.18
51	Diethyl phthalate	T	1.3585	1.4236	1.5080	1.4651	1.6018	1.4714	6.21
52	Fluorene	T	1.3253	1.4047	1.4528	1.4036	1.5563	1.4285	5.93
53	4-Chlorophenylphenyl ether	T	0.6132	0.6423	0.6884	0.6740	0.7398	0.6715	7.14
54	4-Nitroaniline	T	0.2406	0.2890	0.3192	0.3159	0.3288	0.2987	11.94
55	Phenanthrene-d10	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
56	4,6-Dinitro-o-cresol	T	0.0000	0.0089	0.0197	0.0306	0.0427	0.0254	56.93
57	Diphenylnitrosamine	C	0.5527	0.5784	0.6094	0.6003	0.6594	0.6000	6.62 *
58	1,2-Diphenylhydrazine	T	0.9405	0.9577	1.0209	0.9677	1.0303	0.9834	4.05
59	2,4,6-Tribromophenol	S	0.0642	0.0762	0.0824	0.0986	0.1090	0.0860	20.71
60	4-Bromophenylphenyl ether	T	0.2012	0.2084	0.2198	0.2154	0.2378	0.2165	6.38
61	Hexachlorobenzene	T	0.2050	0.2134	0.2261	0.2239	0.2456	0.2228	6.87
62	Pentachlorophenol	C	0.0000	0.0000	0.0311	0.0481	0.0566	0.0452	28.68 *

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

M = Matrix Spike Compound

G = Analytical Group

S = Surrogate Standard

I = Internal Standard

P = System Performance Check Compound

C = Calibration Check Compound

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

Instrument ID: C2854Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Calibration End Date: 4/23/2012 1:57:00 PM

ID	ANALYTE	Sample Type	File ID: C6450 RRF5	File ID: C6451 RRF10	File ID: C6452 RRF20	File ID: C6453 RRF0	File ID: C6454 RRF80	RRF	% RSD
63	Phenanthrene	T	1.0690	1.1106	1.1614	1.1345	1.2767	1.1504	6.80
64	Anthracene	T	1.0454	1.1103	1.1475	1.1378	1.2707	1.1423	7.18
65	Carbazole	T	0.8987	0.9605	1.0193	1.0106	1.1133	1.0004	7.92
66	Di-n-butyl phthalate	T	1.4206	1.4474	1.5461	1.5565	1.7336	1.5408	7.98
67	Fluoranthene	C	1.0909	1.1782	1.2392	1.2361	1.4190	1.2326	9.75*
68	Chrysene-d12	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
69	Benzidine	T	0.6516	0.6128	0.5751	0.4304	0.2126	0.4965	36.13
70	Pyrene	M	1.6114	1.5585	1.6652	1.5647	1.7140	1.6227	4.10
71	Terphenyl-d14	S	1.1798	1.1816	1.1971	1.3297	1.4030	1.2582	8.12
72	Butyl benzyl phthalate	T	0.8681	0.8210	0.8771	0.8270	0.8997	0.8585	3.92
73	3,3'-Dichlorobenzidine	T	0.3266	0.3528	0.3827	0.3701	0.3991	0.3662	7.62
74	bis(2-Ethylhexyl)phthalate	T	1.2614	1.1812	1.2602	1.1980	1.3166	1.2434	4.38
75	Benzo[a]anthracene	T	1.1054	1.1350	1.1941	1.1403	1.2437	1.1637	4.72
76	Chrysene	T	1.0363	1.0805	1.1184	1.0647	1.1533	1.0906	4.20
77	Perylene-d12	I	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.00
78	Di-n-octyl phthalate	C	4.8234	4.2503	4.5916	4.2062	4.4956	4.4734	5.67*
79	3,4-Benzofluoranthene	T	1.5831	1.6142	1.6055	1.5290	1.6229	1.5909	2.36
80	Benzo[k]fluoranthene	T	1.4312	1.4409	1.6133	1.4650	1.5140	1.4928	4.99
81	Benzo[a]pyrene	C	1.0527	1.0878	1.1647	1.1131	1.1744	1.1185	4.59*
82	Indeno[1,2,3-cd]pyrene	T	0.5231	0.5774	0.6432	0.6174	0.6894	0.6101	10.39
83	Dibenzo[a,h]anthracene	T	0.4581	0.5075	0.5509	0.5343	0.6019	0.5305	10.01
84	Benzo[g,h,i]perylene	T	0.3923	0.4548	0.4847	0.4382	0.4860	0.4512	8.57
85	Cresol (total)	G	1.3817	1.4506	1.5053	1.4337	1.4929	1.4528	3.40

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %RSD.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group



Data Path : U:\DATA\C\C2854\  
 Data File : C6450.D  
 Acq On : 23 Apr 2012 11:59 am  
 Operator : JK  
 Sample : SSTD005  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 14:09:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	5.465	152	224979	40.00	ug/ml	0.00	
19) Naphthalene-d8 (IS)	6.683	136	930952	40.00	ug/ml	0.00	
34) Acenaphthene-d10 (IS)	8.467	164	509352	40.00	ug/ml	0.00	
55) Phenanthrene-d10 (IS)	9.984	188	858918	40.00	ug/ml	0.00	
68) Chrysene-d12 (IS)	13.028	240	582129	40.00	ug/ml	0.00	
77) Perylene-d12 (IS)	16.094	264	225140	40.00	ug/ml	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (surr)	4.402	112	303150	43.82	ug/ml	0.02	
Spiked Amount	200.000	Range	21 - 110	Recovery	=	21.91%	
5) Phenol-d6 (surr)	5.107	99	383195	47.54	ug/ml	0.02	
Spiked Amount	200.000	Range	10 - 110	Recovery	=	23.77%	
20) Nitrobenzene-d5 (surr)	5.999	82	178649	28.41	ug/ml	0.00	
Spiked Amount	100.000	Range	35 - 114	Recovery	=	28.41%#	
38) 2-Fluorobiphenyl (surr)	7.735	172	349641	26.81	ug/ml	0.00	
Spiked Amount	100.000	Range	43 - 116	Recovery	=	26.81%#	
59) 2,4,6-Tribromophenol ...	9.284	330	55121	40.74	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	20.37%	
71) Terphenyl-d14 (surr)	11.570	244	343396	33.72	ug/ml	0.00	
Spiked Amount	100.000	Range	33 - 141	Recovery	=	33.72%	
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.505	42	25582m	11.06	ug/ml		
3) Pyridine	3.553	79	51345	7.20	ug/ml		86
6) Phenol	5.123	94	59520	6.63	ug/ml#		77
7) Aniline	5.198	66	20105	6.06	ug/ml		92
8) bis(2-Chloroethyl)ether	5.203	63	37050	7.49	ug/ml#		82
9) 2-Chlorophenol	5.310	128	42890	5.50	ug/ml		96
10) 1,3-Dichlorobenzene	5.438	146	47657	5.33	ug/ml		99
11) 1,4-Dichlorobenzene	5.481	146	47912	5.43	ug/ml		97
12) Benzyl alcohol	5.572	108	25049	5.71	ug/ml		100
13) 1,2-Dichlorobenzene	5.657	146	43847	5.24	ug/ml		97
14) 2-Methylphenol	5.657	108	38319	5.85	ug/ml		94
15) bis(2-Chloroisopropyl)...	5.684	45	71117	8.66	ug/ml#		76
16) 4-Methylphenol	5.780	108	39392	5.80	ug/ml		97
17) N-Nitrosodi-n-propylamine	5.817	70	33337	7.17	ug/ml#		86
18) Hexachloroethane	5.946	117	16482	5.13	ug/ml		98
21) Nitrobenzene	6.015	123	20801	5.40	ug/ml#		70
22) Isophorone	6.207	82	73680	6.39	ug/ml		91
23) 2-Nitrophenol	6.320	139	17392	4.28	ug/ml#		72
24) 2,4-Dimethylphenol	6.288	122	40095	5.83	ug/ml		83
25) Benzoic acid	6.352	105	1711	8.05	ug/ml#		83

Data Path : U:\DATA\C\C2854\  
 Data File : C6450.D  
 Acq On : 23 Apr 2012 11:59 am  
 Operator : JK  
 Sample : SSTD005  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 14:09:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) bis(2-Chloroethoxy)met...	6.373	93	52083	5.96	ug/ml	99
27) 2,4-Dichlorophenol	6.544	162	31577	5.12	ug/ml	100
28) 1,2,4-Trichlorobenzene	6.629	180	35829	5.18	ug/ml	95
29) Naphthalene	6.704	128	124246	6.03	ug/ml	98
30) 4-Chloroaniline	6.747	127	45128	4.99	ug/ml	95
31) Hexachlorobutadiene	6.838	225	21039	5.94	ug/ml	98
32) 4-Chloro-3-methylphenol	7.190	107	36291	6.41	ug/ml#	83
33) 2-Methylnaphthalene	7.377	142	82103	5.42	ug/ml	98
35) Hexachlorocyclopentadiene	7.585	237	20313	5.43	ug/ml	96
36) 2,4,6-Trichlorophenol	7.676	196	18378	4.82	ug/ml	98
37) 2,4,5-Trichlorophenol	7.730	196	18242	4.74	ug/ml	93
39) 2-Chloronaphthalene	7.879	162	73006	5.55	ug/ml	98
40) 2-Nitroaniline	7.997	65	20189	7.28	ug/ml#	51
41) Dimethylphthalate	8.146	163	84408	5.85	ug/ml#	83
42) 2,6-Dinitrotoluene	8.248	165	14401	4.57	ug/ml#	67
43) Acenaphthylene	8.322	152	118144	6.01	ug/ml	98
44) 3-Nitroaniline	8.419	138	16328	5.02	ug/ml#	50
45) Acenaphthene	8.499	154	69526	5.25	ug/ml	87
47) 4-Nitrophenol	8.552	65	28182	16.04	ug/ml#	76
48) 2,4-Dinitrotoluene	8.659	165	17629	4.12	ug/ml#	67
49) Dibenzofuran	8.654	168	100801	5.89	ug/ml	92
50) 2,3,4,6-Tetrachlorophenol	8.819	232	6556	2.55	ug/ml	97
51) Diethylphthalate	8.841	149	86492	6.11	ug/ml	99
52) Fluorene	9.011	166	84381	5.90	ug/ml	97
53) 4-Chlorophenyl phenyl ...	8.958	204	39042	5.73	ug/ml	94
54) 4-Nitroaniline	9.054	138	15318	5.06	ug/ml#	58
57) N-Nitrosodiphenylamine	9.086	169	59343	5.17	ug/ml	100
58) 1,2-Diphenylhydrazine	9.124	77	100972	6.97	ug/ml#	89
60) 4-Bromophenyl phenyl e...	9.465	248	21597	5.69	ug/ml	98
61) Hexachlorobenzene	9.663	284	22010	5.94	ug/ml	97
62) Pentachlorophenol	9.839	266	1856m	6.36	ug/ml	
63) Phenanthrene	10.005	178	114774	5.57	ug/ml	98
64) Anthracene	10.053	178	112243	5.32	ug/ml	97
65) Carbazole	10.203	167	96486	5.03	ug/ml#	93
66) Di-n-butylphthalate	10.475	149	152520	6.11	ug/ml	99
67) Fluoranthene	11.244	202	117123	5.26	ug/ml	97
69) Benzidine	11.324	184	189667	6.58	ug/ml#	92
70) Pyrene	11.490	202	117252	6.67	ug/ml#	90
72) Butylbenzylphthalate	12.088	149	63169	6.82	ug/ml#	84
73) 3,3'-Dichlorobenzidine	12.905	252	23769	5.04	ug/ml	99
74) bis(2-Ethylhexyl)phtha...	12.804	149	91790	7.21	ug/ml	97
75) Benzo(a)anthracene	12.996	228	80437	5.27	ug/ml	99
76) Chrysene	13.071	228	75410	5.14	ug/ml	95

Data Path : U:\DATA\C\C2854\  
Data File : C6450.D  
Acq On : 23 Apr 2012 11:59 am  
Operator : JK  
Sample : SSTD005  
Misc : ;1;L;1.00;1.00; C2854 8270A  
ALS Vial : 2 Sample Multiplier: 1

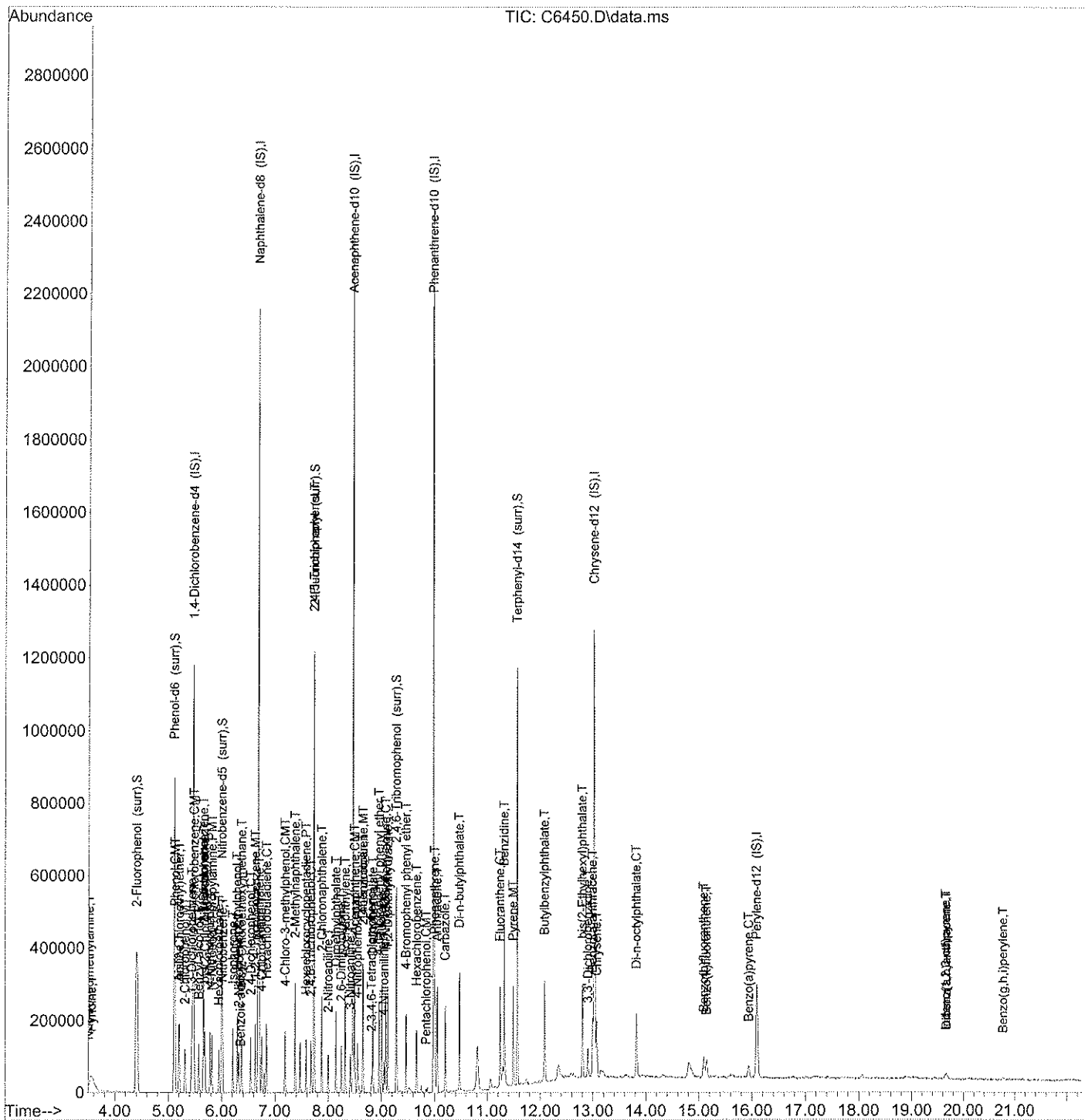
Quant Time: Apr 23 14:09:32 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Tue Apr 17 15:59:16 2012  
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Di-n-octylphthalate	13.824	149	135743	13.58	ug/ml#	99
79) Benzo(b)fluoranthene	15.095	252	44552	6.64	ug/ml	95
80) Benzo(k)fluoranthene	15.148	252	40277	6.27	ug/ml	95
81) Benzo(a)pyrene	15.944	252	29625	4.98	ug/ml	100
82) Indeno(1,2,3-cd)pyrene	19.662	276	14721	2.63	ug/ml	99
83) Dibenz(a,h)anthracene	19.672	278	12893	2.87	ug/ml	91
84) Benzo(g,h,i)perylene	20.773	276	11040	2.37	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6450.D  
 Acq On : 23 Apr 2012 11:59 am  
 Operator : JK  
 Sample : SSTD005  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 14:09:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration



Data Path : U:\DATA\C\C2854\  
 Data File : C6451.D  
 Acq On : 23 Apr 2012 12:28 pm  
 Operator : JK  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 14:10:22 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.459	152	209512	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.677	136	869740	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.461	164	477291	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.977	188	826950	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.016	240	621081	40.00	ug/ml	-0.01
77) Perylene-d12 (IS)	16.072	264	268925	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.396	112	584453	90.72	ug/ml	0.02
Spiked Amount	200.000	Range	21 - 110	Recovery	=	45.36%
5) Phenol-d6 (surr)	5.101	99	765931	102.04	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	51.02%
20) Nitrobenzene-d5 (surr)	5.993	82	348658	59.35	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	59.35%
38) 2-Fluorobiphenyl (surr)	7.723	172	697545	57.08	ug/ml	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	57.08%
59) 2,4,6-Tribromophenol ...	9.278	330	126048	96.76	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	48.38%
71) Terphenyl-d14 (surr)	11.564	244	733851	67.55	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	67.55%
Target Compounds						
2) N-Nitrosodimethylamine	3.520	42	45973m	21.34	ug/ml	
3) Pyridine	3.557	79	98694m	14.86	ug/ml	
6) Phenol	5.112	94	116265	13.91	ug/ml#	70
7) Aniline	5.192	66	37931	12.27	ug/ml#	80
8) bis(2-Chloroethyl)ether	5.197	63	71027	15.42	ug/ml	89
9) 2-Chlorophenol	5.304	128	84346	11.61	ug/ml	97
10) 1,3-Dichlorobenzene	5.432	146	91437	10.98	ug/ml	99
11) 1,4-Dichlorobenzene	5.470	146	90490	11.00	ug/ml	97
12) Benzyl alcohol	5.560	108	48553	11.88	ug/ml	94
13) 1,2-Dichlorobenzene	5.651	146	85917	11.03	ug/ml	94
14) 2-Methylphenol	5.651	108	74797	12.26	ug/ml	96
15) bis(2-Chloroisopropyl)...	5.678	45	137489	17.98	ug/ml	79
16) 4-Methylphenol	5.774	108	77164	12.21	ug/ml	99
17) N-Nitrosodi-n-propylamine	5.811	70	62881	14.53	ug/ml#	89
18) Hexachloroethane	5.940	117	32504	10.86	ug/ml	98
21) Nitrobenzene	6.009	123	39739	11.04	ug/ml#	61
22) Isophorone	6.201	82	140162	13.00	ug/ml	96
23) 2-Nitrophenol	6.313	139	36061	9.49	ug/ml#	66
24) 2,4-Dimethylphenol	6.281	122	79465	12.37	ug/ml	89
25) Benzoic acid	6.362	105	11998	10.68	ug/ml	83

Data Path : U:\DATA\C\C2854\  
 Data File : C6451.D  
 Acq On : 23 Apr 2012 12:28 pm  
 Operator : JK  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 14:10:22 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
26) bis(2-Chloroethoxy)met...	6.367	93	99727	12.23	ug/ml	98
27) 2,4-Dichlorophenol	6.532	162	63453	11.02	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.618	180	70199	10.87	ug/ml	99
29) Naphthalene	6.698	128	236612	12.28	ug/ml	99
30) 4-Chloroaniline	6.741	127	90925	10.75	ug/ml	99
31) Hexachlorobutadiene	6.832	225	41135	12.43	ug/ml	98
32) 4-Chloro-3-methylphenol	7.179	107	72021	13.62	ug/ml	85
33) 2-Methylnaphthalene	7.371	142	161156	11.40	ug/ml	100
35) Hexachlorocyclopentadiene	7.579	237	50151	13.32	ug/ml	98
36) 2,4,6-Trichlorophenol	7.670	196	37827	10.58	ug/ml	97
37) 2,4,5-Trichlorophenol	7.718	196	39636	11.00	ug/ml	100
39) 2-Chloronaphthalene	7.873	162	143551	11.65	ug/ml	98
40) 2-Nitroaniline	7.991	65	42512	16.37	ug/ml#	60
41) Dimethylphthalate	8.135	163	165963	12.27	ug/ml#	78
42) 2,6-Dinitrotoluene	8.242	165	31916	10.81	ug/ml#	76
43) Acenaphthylene	8.311	152	236344	12.83	ug/ml	98
44) 3-Nitroaniline	8.407	138	35216	11.55	ug/ml#	51
45) Acenaphthene	8.493	154	136401	10.98	ug/ml	87
47) 4-Nitrophenol	8.541	65	74507	45.24	ug/ml#	77
48) 2,4-Dinitrotoluene	8.647	165	41074	10.25	ug/ml#	61
49) Dibenzofuran	8.647	168	200472	12.49	ug/ml	92
50) 2,3,4,6-Tetrachlorophenol	8.808	232	16723	6.94	ug/ml	95
51) Diethylphthalate	8.834	149	169863	12.80	ug/ml	99
52) Fluorene	9.000	166	167611	12.51	ug/ml	99
53) 4-Chlorophenyl phenyl ...	8.952	204	76644	12.00	ug/ml	93
54) 4-Nitroaniline	9.043	138	34484	12.16	ug/ml#	50
56) 4,6-Dinitro-2-methylph...	9.069	198	7341	10.40	ug/ml#	87
57) N-Nitrosodiphenylamine	9.080	169	119580	10.81	ug/ml	97
58) 1,2-Diphenylhydrazine	9.117	77	197999	14.20	ug/ml#	91
60) 4-Bromophenyl phenyl e...	9.459	248	43092	11.78	ug/ml	100
61) Hexachlorobenzene	9.652	284	44126	12.36	ug/ml	95
62) Pentachlorophenol	9.828	266	10901	10.40	ug/ml	97
63) Phenanthrene	9.999	178	229600	11.58	ug/ml	98
64) Anthracene	10.047	178	229548	11.30	ug/ml	98
65) Carbazole	10.196	167	198573	10.74	ug/ml#	94
66) Di-n-butylphthalate	10.463	149	299227	12.45	ug/ml	96
67) Fluoranthene	11.233	202	243569	11.37	ug/ml#	92
69) Benzidine	11.318	184	380618	12.38	ug/ml#	94
70) Pyrene	11.484	202	241982	12.90	ug/ml#	92
72) Butylbenzylphthalate	12.076	149	127476	12.89	ug/ml#	77
73) 3,3'-Dichlorobenzidine	12.894	252	54783	10.88	ug/ml	99
74) bis(2-Ethylhexyl)phtha...	12.792	149	183399	13.50	ug/ml	100
75) Benzo(a)anthracene	12.984	228	176226	10.82	ug/ml	98

Data Path : U:\DATA\C\C2854\  
 Data File : C6451.D  
 Acq On : 23 Apr 2012 12:28 pm  
 Operator : JK  
 Sample : SSTD010  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 3 Sample Multiplier: 1

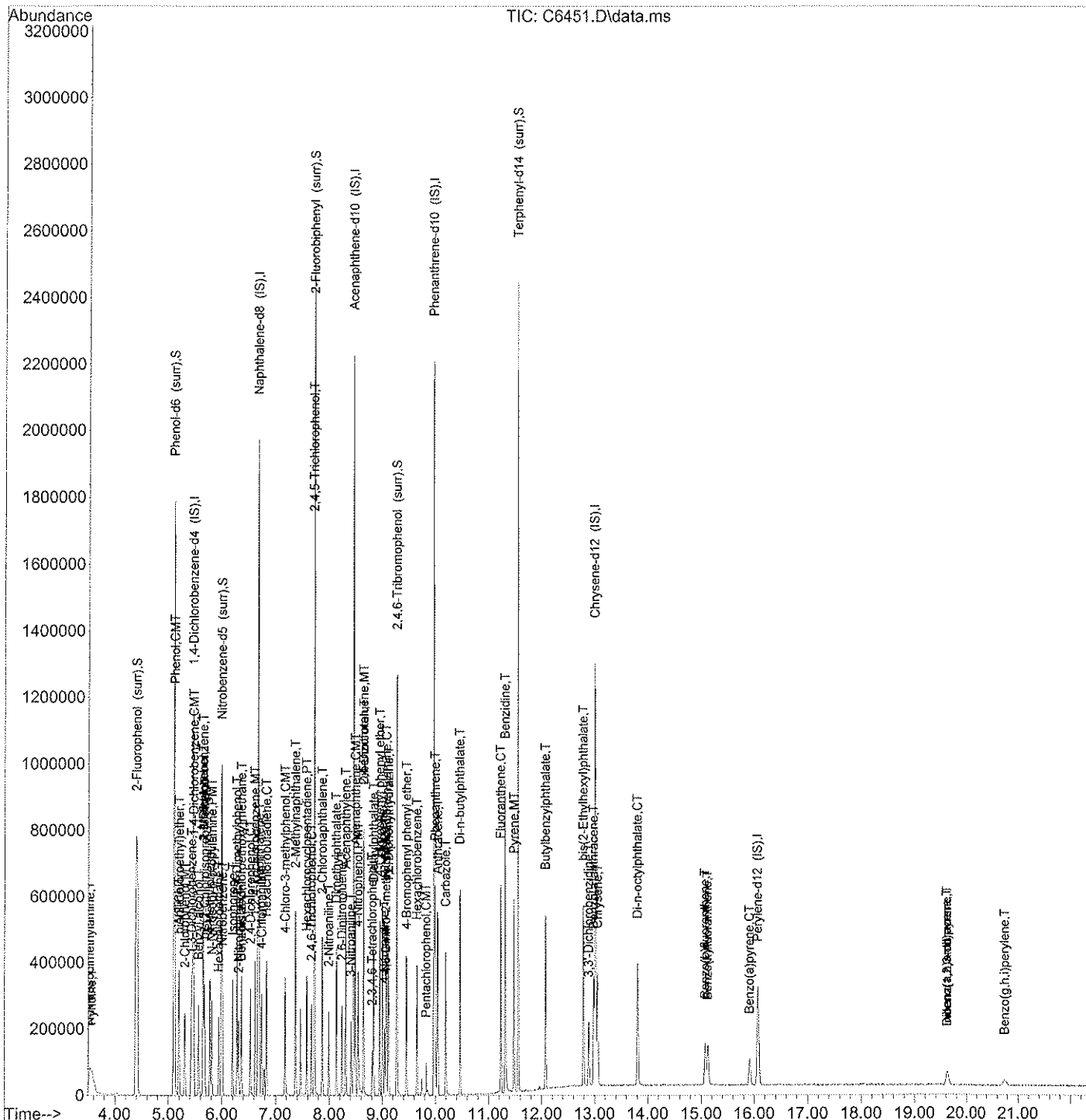
Quant Time: Apr 23 14:10:22 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Chrysene	13.059	228	167765	10.73	ug/ml	97
78) Di-n-octylphthalate	13.812	149	285753	23.94	ug/ml#	98
79) Benzo(b)fluoranthene	15.078	252	108522	13.53	ug/ml	95
80) Benzo(k)fluoranthene	15.126	252	96875	12.62	ug/ml	97
81) Benzo(a)pyrene	15.917	252	73134	10.29	ug/ml	95
82) Indeno(1,2,3-cd)pyrene	19.629	276	38816	5.80	ug/ml	88
83) Dibenz(a,h)anthracene	19.623	278	34122	6.35	ug/ml	95
84) Benzo(g,h,i)perylene	20.745	276	30579	5.50	ug/ml#	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
Data File : C6451.D  
Acq On : 23 Apr 2012 12:28 pm  
Operator : JK  
Sample : SSTD010  
Misc : ;1;L;1.00;1.00; C2854 8270A  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 23 14:10:22 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Tue Apr 17 15:59:16 2012  
Response via : Initial Calibration





Data Path : U:\DATA\C\C2854\  
 Data File : C6452.D  
 Acq On : 23 Apr 2012 12:58 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:11:36 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.456	152	205132	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.673	136	847929	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.457	164	462393	40.00	ug/ml	-0.01
55) Phenanthrene-d10 (IS)	9.974	188	789043	40.00	ug/ml	-0.01
68) Chrysene-d12 (IS)	13.013	240	586700	40.00	ug/ml	-0.02
77) Perylene-d12 (IS)	16.068	264	247674	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.398	112	846093	134.13	ug/ml	0.02
Spiked Amount	200.000	Range	21 - 110	Recovery	=	67.06%
5) Phenol-d6 (surr)	5.098	99	1105377	150.41	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	75.20%
20) Nitrobenzene-d5 (surr)	5.990	82	508239	88.73	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	88.73%
38) 2-Fluorobiphenyl (surr)	7.726	172	1031163	87.10	ug/ml	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	87.10%
59) 2,4,6-Tribromophenol ...	9.275	330	194990	156.88	ug/ml	-0.01
Spiked Amount	200.000	Range	10 - 123	Recovery	=	78.44%
71) Terphenyl-d14 (surr)	11.561	244	1053547	102.65	ug/ml	-0.01
Spiked Amount	100.000	Range	33 - 141	Recovery	=	102.65%
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	3.522	42	88911m	42.15	ug/ml	
3) Pyridine	3.528	79	197552m	30.39	ug/ml	
6) Phenol	5.114	94	236806	28.94	ug/ml#	77
7) Aniline	5.189	66	78089	25.80	ug/ml	88
8) bis(2-Chloroethyl)ether	5.194	63	142934	31.70	ug/ml	89
9) 2-Chlorophenol	5.301	128	172978	24.32	ug/ml	99
10) 1,3-Dichlorobenzene	5.429	146	184732	22.65	ug/ml	99
11) 1,4-Dichlorobenzene	5.472	146	186436	23.16	ug/ml	100
12) Benzyl alcohol	5.563	108	100005	24.99	ug/ml	95
13) 1,2-Dichlorobenzene	5.648	146	175406	23.00	ug/ml	98
14) 2-Methylphenol	5.648	108	151296	25.33	ug/ml	94
15) bis(2-Chloroisopropyl)...	5.675	45	271405	36.26	ug/ml	79
16) 4-Methylphenol	5.771	108	157493	25.45	ug/ml	94
17) N-Nitrosodi-n-propylamine	5.808	70	127446	30.07	ug/ml#	88
18) Hexachloroethane	5.936	117	66748	22.77	ug/ml	96
21) Nitrobenzene	6.006	123	82475	23.50	ug/ml#	62
22) Isophorone	6.198	82	284329	27.06	ug/ml	94
23) 2-Nitrophenol	6.310	139	79872	21.56	ug/ml#	67
24) 2,4-Dimethylphenol	6.278	122	160833	25.68	ug/ml	85
25) Benzoic acid	6.369	105	48327	20.19	ug/ml#	81

Data Path : U:\DATA\C\C2854\  
 Data File : C6452.D  
 Acq On : 23 Apr 2012 12:58 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:11:36 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) bis(2-Chloroethoxy)met...	6.364	93	203104	25.54	ug/ml	99
27) 2,4-Dichlorophenol	6.529	162	129416	23.05	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.620	180	142052	22.57	ug/ml	97
29) Naphthalene	6.695	128	480271	25.58	ug/ml	99
30) 4-Chloroaniline	6.738	127	180350	21.88	ug/ml	97
31) Hexachlorobutadiene	6.828	225	82707	25.64	ug/ml	97
32) 4-Chloro-3-methylphenol	7.176	107	146878	28.49	ug/ml	86
33) 2-Methylnaphthalene	7.368	142	333066	24.16	ug/ml	98
35) Hexachlorocyclopentadiene	7.576	237	89282	23.96	ug/ml	99
36) 2,4,6-Trichlorophenol	7.667	196	81357	23.49	ug/ml	98
37) 2,4,5-Trichlorophenol	7.720	196	84183	24.12	ug/ml	96
39) 2-Chloronaphthalene	7.870	162	294806	24.69	ug/ml	99
40) 2-Nitroaniline	7.987	65	89591	35.61	ug/ml#	62
41) Dimethylphthalate	8.137	163	336537	25.67	ug/ml#	83
42) 2,6-Dinitrotoluene	8.238	165	68211	23.85	ug/ml#	71
43) Acenaphthylene	8.308	152	479014	26.85	ug/ml	97
44) 3-Nitroaniline	8.409	138	77179	26.12	ug/ml#	68
45) Acenaphthene	8.489	154	279458	23.22	ug/ml	91
46) 2,4-Dinitrophenol	8.511	184	1422m	14.76	ug/ml	
47) 4-Nitrophenol	8.543	65	127427	79.87	ug/ml#	77
48) 2,4-Dinitrotoluene	8.650	165	91610	23.60	ug/ml#	77
49) Dibenzofuran	8.644	168	410418	26.40	ug/ml#	87
50) 2,3,4,6-Tetrachlorophenol	8.805	232	42424	18.16	ug/ml	94
51) Diethylphthalate	8.837	149	348635	27.12	ug/ml	98
52) Fluorene	9.002	166	335884	25.88	ug/ml	97
53) 4-Chlorophenyl phenyl ...	8.954	204	159154	25.72	ug/ml	98
54) 4-Nitroaniline	9.045	138	73794	26.85	ug/ml#	62
56) 4,6-Dinitro-2-methylph...	9.072	198	23273	17.60	ug/ml	90
57) N-Nitrosodiphenylamine	9.077	169	240438	22.79	ug/ml	99
58) 1,2-Diphenylhydrazine	9.114	77	402768	30.28	ug/ml#	88
60) 4-Bromophenyl phenyl e...	9.456	248	86699	24.85	ug/ml	99
61) Hexachlorobenzene	9.654	284	89193	26.19	ug/ml	99
62) Pentachlorophenol	9.825	266	36758	22.63	ug/ml	98
63) Phenanthrene	9.996	178	458205	24.23	ug/ml	99
64) Anthracene	10.044	178	452725	23.36	ug/ml	98
65) Carbazole	10.193	167	402142	22.80	ug/ml#	94
66) Di-n-butylphthalate	10.466	149	609971	26.59	ug/ml	98
67) Fluoranthene	11.229	202	488886	23.92	ug/ml#	91
69) Benzidine	11.315	184	506085	17.43	ug/ml#	94
70) Pyrene	11.480	202	488475	27.57	ug/ml#	91
72) Butylbenzylphthalate	12.079	149	257308	27.55	ug/ml#	83
73) 3,3'-Dichlorobenzidine	12.890	252	112270	23.60	ug/ml	98
74) bis(2-Ethylhexyl)phtha...	12.789	149	369670	28.80	ug/ml	98

Data Path : U:\DATA\C\C2854\  
 Data File : C6452.D  
 Acq On : 23 Apr 2012 12:58 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 4 Sample Multiplier: 1

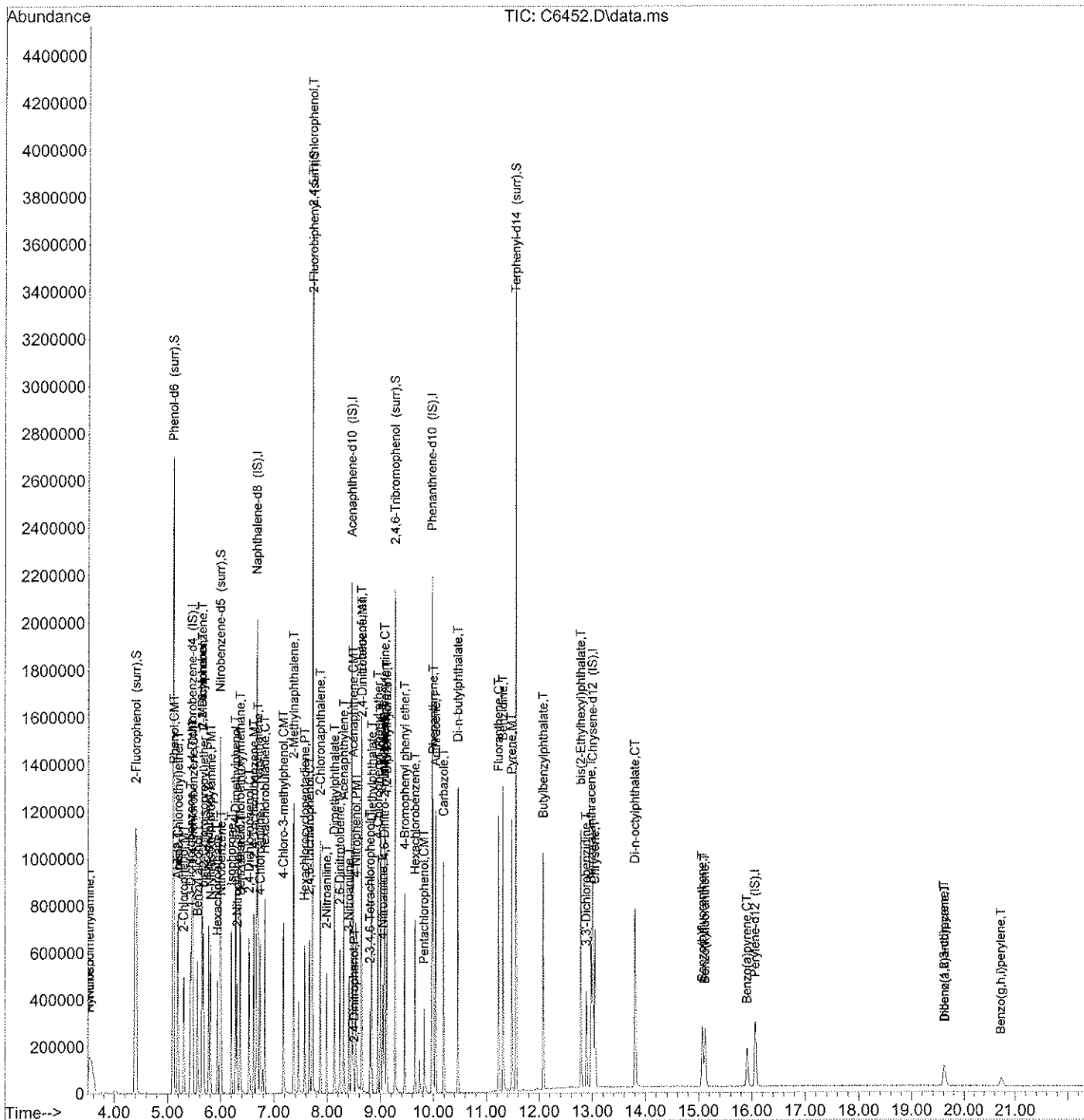
Quant Time: Apr 23 14:11:36 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Benzo(a)anthracene	12.981	228	350290	22.77	ug/ml	99
76) Chrysene	13.056	228	328093	22.21	ug/ml	96
78) Di-n-octylphthalate	13.809	149	568610	51.72	ug/ml#	97
79) Benzo(b)fluoranthene	15.075	252	198821	26.92	ug/ml	95
80) Benzo(k)fluoranthene	15.123	252	199781	28.25	ug/ml	96
81) Benzo(a)pyrene	15.914	252	144229	22.03	ug/ml	95
82) Indeno(1,2,3-cd)pyrene	19.620	276	79649	12.92	ug/ml#	84
83) Dibenz(a,h)anthracene	19.631	278	68224	13.79	ug/ml	96
84) Benzo(g,h,i)perylene	20.726	276	60021	11.73	ug/ml#	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6452.D  
 Acq On : 23 Apr 2012 12:58 pm  
 Operator : JK  
 Sample : SST020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 14:11:36 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration



Data Path : U:\DATA\C\C2854\  
 Data File : C6453.D  
 Acq On : 23 Apr 2012 1:27 pm  
 Operator : JK  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 14:12:28 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.454	152	204242	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.672	136	821782	40.00	ug/ml	-0.01
34) Acenaphthene-d10 (IS)	8.461	164	444867	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.973	188	761024	40.00	ug/ml	-0.01
68) Chrysene-d12 (IS)	13.017	240	607228	40.00	ug/ml	-0.01
77) Perylene-d12 (IS)	16.067	264	271817	40.00	ug/ml	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.396	112	1206832	192.16	ug/ml	0.02
Spiked Amount	200.000	Range	21 - 110	Recovery	=	96.08%
5) Phenol-d6 (surr)	5.102	99	1625994	222.21	ug/ml	0.01
Spiked Amount	200.000	Range	10 - 110	Recovery	=	111.11%#
20) Nitrobenzene-d5 (surr)	5.988	82	728408	131.22	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	131.22%#
38) 2-Fluorobiphenyl (surr)	7.724	172	1523089	133.72	ug/ml	-0.01
Spiked Amount	100.000	Range	43 - 116	Recovery	=	133.72%#
59) 2,4,6-Tribromophenol ...	9.278	330	300148	250.37	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	125.19%#
71) Terphenyl-d14 (surr)	11.564	244	1614915	152.03	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	152.03%#
Target Compounds						
2) N-Nitrosodimethylamine	3.521	42	167173m	79.59	ug/ml	
3) Pyridine	3.553	79	367113m	56.71	ug/ml	
6) Phenol	5.112	94	449876	55.22	ug/ml#	79
7) Aniline	5.192	66	143997	47.78	ug/ml#	72
8) bis(2-Chloroethyl)ether	5.192	63	266239	59.30	ug/ml	86
9) 2-Chlorophenol	5.304	128	322673	45.56	ug/ml	97
10) 1,3-Dichlorobenzene	5.427	146	345202	42.51	ug/ml	99
11) 1,4-Dichlorobenzene	5.470	146	349260	43.57	ug/ml	97
12) Benzyl alcohol	5.561	108	187576	47.08	ug/ml	96
13) 1,2-Dichlorobenzene	5.652	146	333479	43.92	ug/ml	96
14) 2-Methylphenol	5.646	108	289760	48.72	ug/ml	97
15) bis(2-Chloroisopropyl)...	5.673	45	505748	67.86	ug/ml#	76
16) 4-Methylphenol	5.769	108	295864	48.01	ug/ml	100
17) N-Nitrosodi-n-propylamine	5.807	70	235585	55.83	ug/ml#	85
18) Hexachloroethane	5.940	117	126378	43.30	ug/ml	97
21) Nitrobenzene	6.004	123	153347	45.09	ug/ml#	56
22) Isophorone	6.202	82	533596	52.39	ug/ml	95
23) 2-Nitrophenol	6.309	139	155875	43.41	ug/ml#	69
24) 2,4-Dimethylphenol	6.282	122	301235	49.62	ug/ml	89
25) Benzoic acid	6.373	105	97046	33.64	ug/ml	86

Data Path : U:\DATA\C\C2854\  
 Data File : C6453.D  
 Acq On : 23 Apr 2012 1:27 pm  
 Operator : JK  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 14:12:28 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) bis(2-Chloroethoxy)met...	6.367	93	379967	49.30	ug/ml	99
27) 2,4-Dichlorophenol	6.528	162	246860	45.37	ug/ml	98
28) 1,2,4-Trichlorobenzene	6.618	180	269173	44.12	ug/ml	100
29) Naphthalene	6.693	128	908057	49.90	ug/ml	98
30) 4-Chloroaniline	6.736	127	337717	42.27	ug/ml	100
31) Hexachlorobutadiene	6.832	225	158044	50.56	ug/ml	97
32) 4-Chloro-3-methylphenol	7.174	107	275709	55.19	ug/ml	83
33) 2-Methylnaphthalene	7.366	142	631061	47.24	ug/ml	99
35) Hexachlorocyclopentadiene	7.580	237	113705	31.52	ug/ml	97
36) 2,4,6-Trichlorophenol	7.665	196	162934	48.89	ug/ml	99
37) 2,4,5-Trichlorophenol	7.719	196	168030	50.04	ug/ml	99
39) 2-Chloronaphthalene	7.868	162	554727	48.29	ug/ml	98
40) 2-Nitroaniline	7.991	65	172660	71.33	ug/ml#	67
41) Dimethylphthalate	8.135	163	632112	50.12	ug/ml#	80
42) 2,6-Dinitrotoluene	8.242	165	131062	47.64	ug/ml#	81
43) Acenaphthylene	8.312	152	895941	52.19	ug/ml	97
44) 3-Nitroaniline	8.408	138	144611	50.87	ug/ml#	57
45) Acenaphthene	8.493	154	525937	45.43	ug/ml	90
46) 2,4-Dinitrophenol	8.509	184	8756	20.22	ug/ml#	66
47) 4-Nitrophenol	8.547	65	178518	116.30	ug/ml#	80
48) 2,4-Dinitrotoluene	8.648	165	185183	49.59	ug/ml#	73
49) Dibenzofuran	8.648	168	789332	52.78	ug/ml	89
50) 2,3,4,6-Tetrachlorophenol	8.808	232	90586	40.31	ug/ml	96
51) Diethylphthalate	8.835	149	651759	52.69	ug/ml	99
52) Fluorene	9.001	166	624425	50.02	ug/ml	99
53) 4-Chlorophenyl phenyl ...	8.952	204	299858	50.36	ug/ml	96
54) 4-Nitroaniline	9.049	138	140513	53.15	ug/ml#	69
56) 4,6-Dinitro-2-methylph...	9.070	198	46636	28.68	ug/ml#	81
57) N-Nitrosodiphenylamine	9.081	169	456876	44.90	ug/ml	98
58) 1,2-Diphenylhydrazine	9.118	77	736469	57.40	ug/ml#	92
60) 4-Bromophenyl phenyl e...	9.454	248	163908	48.70	ug/ml	100
61) Hexachlorobenzene	9.652	284	170360	51.87	ug/ml	97
62) Pentachlorophenol	9.828	266	73286	40.84	ug/ml	99
63) Phenanthrene	9.999	178	863356	47.33	ug/ml	99
64) Anthracene	10.042	178	865856	46.31	ug/ml	98
65) Carbazole	10.192	167	769119	45.21	ug/ml#	93
66) Di-n-butylphthalate	10.464	149	1184501	53.54	ug/ml	98
67) Fluoranthene	11.233	202	940679	47.72	ug/ml	95
69) Benzidine	11.313	184	522751	17.40	ug/ml#	94
70) Pyrene	11.484	202	950107	51.81	ug/ml	96
72) Butylbenzylphthalate	12.077	149	502150	51.95	ug/ml#	82
73) 3,3'-Dichlorobenzidine	12.894	252	224729	45.64	ug/ml	98
74) bis(2-Ethylhexyl)phtha...	12.787	149	727478	54.77	ug/ml	98

Data Path : U:\DATA\C\C2854\  
 Data File : C6453.D  
 Acq On : 23 Apr 2012 1:27 pm  
 Operator : JK  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 5 Sample Multiplier: 1

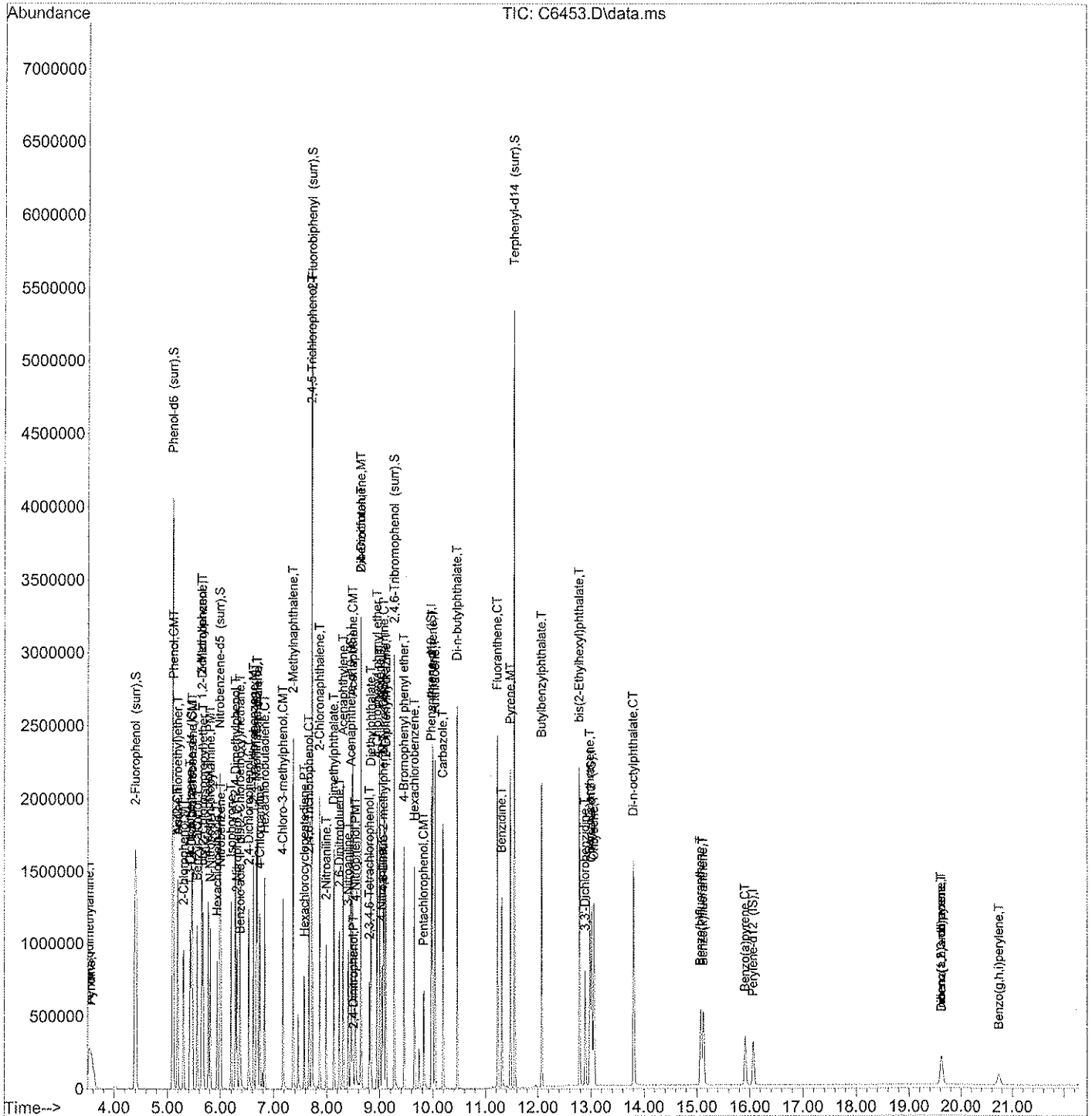
Quant Time: Apr 23 14:12:28 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Benzo(a)anthracene	12.985	228	692393	43.48	ug/ml	98
76) Chrysene	13.060	228	646524	42.28	ug/ml	97
78) Di-n-octylphthalate	13.807	149	1143305	94.75	ug/ml#	98
79) Benzo(b)fluoranthene	15.073	252	415613	51.28	ug/ml	97
80) Benzo(k)fluoranthene	15.127	252	398200	51.31	ug/ml	94
81) Benzo(a)pyrene	15.917	252	302569	42.11	ug/ml	95
82) Indeno(1,2,3-cd)pyrene	19.624	276	167827	24.81	ug/ml	92
83) Dibenz(a,h)anthracene	19.624	278	145239	26.75	ug/ml	98
84) Benzo(g,h,i)perylene	20.735	276	119110	21.21	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6453.D  
 Acq On : 23 Apr 2012 1:27 pm  
 Operator : JK  
 Sample : SSTD040  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 14:12:28 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Tue Apr 17 15:59:16 2012  
 Response via : Initial Calibration





Data Path : U:\DATA\C\C2854\  
 Data File : C6454.D  
 Acq On : 23 Apr 2012 1:57 pm  
 Operator : JK  
 Sample : SSTD080  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:22:42 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:09:53 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.454	152	199589	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.672	136	779157	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.461	164	417161	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.973	188	715800	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.017	240	591625	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.067	264	274670	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.402	112	1489042	217.42	ug/ml	0.00
Spiked Amount	200.000	Range	21 - 110	Recovery	=	108.71%
5) Phenol-d6 (surr)	5.102	99	2060214	240.16	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 110	Recovery	=	120.08%#
20) Nitrobenzene-d5 (surr)	5.988	82	898339	120.95	ug/ml	0.00
Spiked Amount	100.000	Range	35 - 114	Recovery	=	120.95%#
38) 2-Fluorobiphenyl (surr)	7.724	172	1952467	135.95	ug/ml	0.00
Spiked Amount	100.000	Range	43 - 116	Recovery	=	135.95%#
59) 2,4,6-Tribromophenol ...	9.279	330	389979	283.91	ug/ml	0.00
Spiked Amount	200.000	Range	10 - 123	Recovery	=	141.96%#
71) Terphenyl-d14 (surr)	11.565	244	2075119	127.90	ug/ml	0.00
Spiked Amount	100.000	Range	33 - 141	Recovery	=	127.90%
Target Compounds						
2) N-Nitrosodimethylamine	3.521	42	320972m	83.59	ug/ml	
3) Pyridine	3.558	79	715833m	82.59	ug/ml	
6) Phenol	5.112	94	916610	87.66	ug/ml	94
7) Aniline	5.193	66	293602	84.27	ug/ml	84
8) bis(2-Chloroethyl) ether	5.193	63	540356	86.93	ug/ml	95
9) 2-Chlorophenol	5.305	128	651195	83.03	ug/ml	99
10) 1,3-Dichlorobenzene	5.433	146	688962	80.92	ug/ml	98
11) 1,4-Dichlorobenzene	5.470	146	696309	81.57	ug/ml	99
12) Benzyl alcohol	5.561	108	376399	83.08	ug/ml	98
13) 1,2-Dichlorobenzene	5.652	146	697926	87.23	ug/ml	99
14) 2-Methylphenol	5.647	108	602963	87.96	ug/ml	96
15) bis(2-Chloroisopropyl)...	5.679	45	981589	83.89	ug/ml	97
16) 4-Methylphenol	5.775	108	588869	82.83	ug/ml	95
17) N-Nitrosodi-n-propylamine	5.812	70	467957	83.51	ug/ml	99
18) Hexachloroethane	5.940	117	256215	84.20	ug/ml	98
21) Nitrobenzene	6.010	123	309833	87.56	ug/ml	94
22) Isophorone	6.202	82	1061224	87.41	ug/ml	99
23) 2-Nitrophenol	6.309	139	323060	94.86	ug/ml	98
24) 2,4-Dimethylphenol	6.282	122	617220	89.53	ug/ml	96
25) Benzoic acid	6.378	105	142663	74.43	ug/ml	100

Data Path : U:\DATA\C\C2854\  
 Data File : C6454.D  
 Acq On : 23 Apr 2012 1:57 pm  
 Operator : JK  
 Sample : SSTD080  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:22:42 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:09:53 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) bis(2-Chloroethoxy)met...	6.368	93	759623	87.34	ug/ml	99
27) 2,4-Dichlorophenol	6.528	162	507628	90.58	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.619	180	552174	89.19	ug/ml	96
29) Naphthalene	6.693	128	1846351	94.11	ug/ml	99
30) 4-Chloroaniline	6.736	127	671232	84.10	ug/ml	97
31) Hexachlorobutadiene	6.832	225	321898	91.20	ug/ml	98
32) 4-Chloro-3-methylphenol	7.179	107	541705	88.24	ug/ml	96
33) 2-Methylnaphthalene	7.366	142	1306087	93.62	ug/ml	97
35) Hexachlorocyclopentadiene	7.580	237	137837	66.54	ug/ml	99
36) 2,4,6-Trichlorophenol	7.666	196	336689	98.82	ug/ml	98
37) 2,4,5-Trichlorophenol	7.719	196	362135	103.70	ug/ml	98
39) 2-Chloronaphthalene	7.874	162	1146830	94.41	ug/ml	99
40) 2-Nitroaniline	7.991	65	344627	98.67	ug/ml	99
41) Dimethylphthalate	8.141	163	1292861	93.62	ug/ml	97
42) 2,6-Dinitrotoluene	8.242	165	267462	95.43	ug/ml	97
43) Acenaphthylene	8.312	152	1840662	97.32	ug/ml	98
44) 3-Nitroaniline	8.413	138	289166	93.18	ug/ml	96
45) Acenaphthene	8.493	154	1105036	94.35	ug/ml	99
46) 2,4-Dinitrophenol	8.509	184	20589	121.25	ug/ml	90
47) 4-Nitrophenol	8.547	65	224638	134.07	ug/ml	98
48) 2,4-Dinitrotoluene	8.654	165	393237	105.79	ug/ml	94
49) Dibenzofuran	8.648	168	1657887	100.69	ug/ml	96
50) 2,3,4,6-Tetrachlorophenol	8.809	232	196395	112.08	ug/ml	96
51) Diethylphthalate	8.841	149	1336392	95.46	ug/ml	100
52) Fluorene	9.006	166	1298497	94.56	ug/ml	99
53) 4-Chlorophenyl phenyl ...	8.953	204	617201	93.76	ug/ml	99
54) 4-Nitroaniline	9.054	138	274305	92.56	ug/ml	98
56) 4,6-Dinitro-2-methylph...	9.076	198	76358	152.50	ug/ml	96
57) N-Nitrosodiphenylamine	9.081	169	944019	92.27	ug/ml	99
58) 1,2-Diphenylhydrazine	9.118	77	1474937	91.61	ug/ml	98
60) 4-Bromophenyl phenyl e...	9.460	248	340469	93.87	ug/ml	98
61) Hexachlorobenzene	9.652	284	351602	95.20	ug/ml	97
62) Pentachlorophenol	9.829	266	112117	85.76	ug/ml	97
63) Phenanthrene	10.000	178	1827690	98.52	ug/ml	100
64) Anthracene	10.048	178	1819189	98.37	ug/ml	99
65) Carbazole	10.197	167	1593860	96.74	ug/ml	98
66) Di-n-butylphthalate	10.464	149	2481840	103.45	ug/ml	100
67) Fluoranthene	11.233	202	2031493	103.32	ug/ml	98
69) Benzidine	11.313	184	314483	12.85	ug/ml	99
70) Pyrene	11.484	202	2028057	94.03	ug/ml	96
72) Butylbenzylphthalate	12.077	149	1064537	88.35	ug/ml	98
73) 3,3'-Dichlorobenzidine	12.894	252	472262	89.36	ug/ml	98
74) bis(2-Ethylhexyl)phtha...	12.793	149	1557894	91.15	ug/ml	99

Data Path : U:\DATA\C\C2854\  
Data File : C6454.D  
Acq On : 23 Apr 2012 1:57 pm  
Operator : JK  
Sample : SSTD080  
Misc : ;1;L;1.00;1.00; C2854 8270A  
ALS Vial : 6 Sample Multiplier: 1

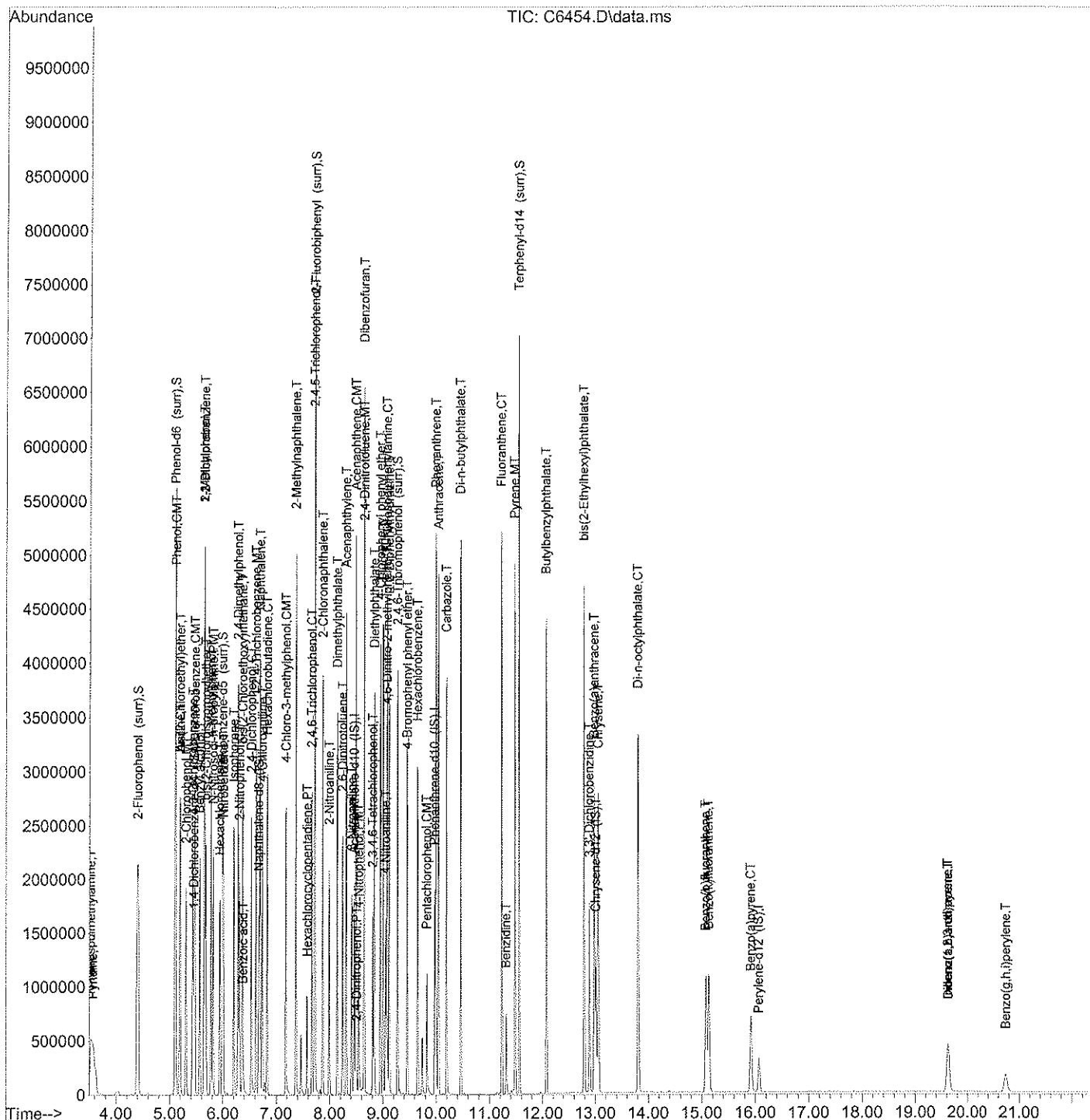
Quant Time: Apr 23 14:22:42 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Mon Apr 23 14:09:53 2012  
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Benzo(a)anthracene	12.985	228	1471552	88.82	ug/ml	100
76) Chrysene	13.060	228	1364586	87.43	ug/ml	98
78) Di-n-octylphthalate	13.813	149	2469635	92.65	ug/ml	99
79) Benzo(b)fluoranthene	15.079	252	891546	85.84	ug/ml	98
80) Benzo(k)fluoranthene	15.132	252	831684	85.13	ug/ml	99
81) Benzo(a)pyrene	15.923	252	645141	84.99	ug/ml	98
82) Indeno(1,2,3-cd)pyrene	19.624	276	378693	79.97	ug/ml	90
83) Dibenz(a,h)anthracene	19.630	278	330656	82.05	ug/ml	95
84) Benzo(g,h,i)perylene	20.740	276	266992	72.95	ug/ml#	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6454.D  
 Acq On : 23 Apr 2012 1:57 pm  
 Operator : JK  
 Sample : SSTD080  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 23 14:22:42 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:09:53 2012  
 Response via : Initial Calibration



## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No.: NA

SDG No.: \_\_\_\_\_

CC LabFile ID: C2854-6456Initial Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Initial Calibration End Date: 4/23/2012 1:57:00 PMContinuing Calibration Date: 4/23/2012 3:11:00 PM

ID	ANALYTE	Sample Type	RRF		Minimum RRF	Percent Difference	Maximum % Difference
0	Average Percent Difference	A				3.5	15.0
1	1,4-Dichlorobenzene-d4	I	1.0000	1.0000		0.0	
2	n-Nitrosodimethylamine	T	0.8553	0.8832		-3.3	
3	Pyridine	T	1.8453	1.8942		-2.6	
4	2-Fluorophenol	S	1.4173	1.3433		5.2	
5	Phenol-d6	S	1.8764	1.7654		5.9	
6	Phenol	C	2.2287	2.2640		-1.6	20.0
7	Aniline	T	0.7282	0.7473		-2.6	
8	bis(2-chloroethyl)ether	T	1.3448	1.3744		-2.2	
9	2-Chlorophenol	M	1.6066	1.6444		-2.4	
10	1,3-Dichlorobenzene	T	1.7315	1.7576		-1.5	
11	1,4-Dichlorobenzene	C	1.7406	1.7891		-2.8	20.0
12	Benzyl alcohol	T	0.9308	0.9248		0.6	
13	1,2-Dichlorobenzene	M	1.6581	1.6928		-2.1	
14	2-Methylphenol(o-Cresol)	T	1.4389	1.4382		0.1	
15	bis(2-chloroisopropyl)ether	T	2.5470	2.5648		-0.7	
16	3+4-Methylphenol(m,p-Cresol)	T	1.4666	1.5160		-3.4	
17	Di-n-propylnitrosamine	P	1.1908	1.2272	0.0500	-3.1	
18	Hexachloroethane	T	0.6236	0.6389		-2.4	
19	Naphthalene-d8	I	1.0000	1.0000		0.0	
20	Nitrobenzene-d5	S	0.4177	0.3952		5.4	
21	Nitrobenzene	T	0.1883	0.1946		-3.3	
22	Isophorone	M	0.6557	0.6656		-1.5	
23	2-Nitrophenol	C	0.1801	0.1859		-3.2	20.0
24	2,4-Dimethylphenol	T	0.3704	0.3613		2.5	
25	Benzoic acid	T	0.0375	0.0460		-22.5	
26	bis(2-chloroethoxy)methane	T	0.4670	0.4747		-1.6	
27	2,4-Dichlorophenol	C	0.2989	0.3088		-3.3	20.0
28	1,2,4-Trichlorobenzene	M	0.3295	0.3342		-1.4	
29	Naphthalene	M	1.1157	1.1350		-1.7	
30	4-Chloroaniline	T	0.4146	0.4226		-1.9	

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NA

SDG No: \_\_\_\_\_

CC LabFile ID: C2854-6456Initial Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Initial Calibration End Date: 4/23/2012 1:57:00 PMContinuing Calibration Date: 4/23/2012 3:11:00 PM

ID	ANALYTE	Sample Type	RRF	RRF20	Minimum RRF	Percent Difference	Maximum % Difference	
31	Hexachlorobutadiene	C	0.1928	0.1987		-3.1	20.0	*
32	4-Chloro-3-methylphenol	C	0.3345	0.3373		-0.8	20.0	*
33	2-Methylnaphthalene	M	0.7676	0.7899		-2.9		
34	Acenaphthene-d10	I	1.0000	1.0000		0.0		
35	Hexachlorocyclopentadiene	P	0.1147	0.1299	0.0500	-13.2		*
36	2,4,6-Trichlorophenol	C	0.3454	0.3616		-4.7	20.0	*
37	2,4,5-Trichlorophenol	T	0.3589	0.3706		-3.3		
38	2-Fluorobiphenyl	S	1.5810	1.4937		5.5		
39	2-Chloronaphthalene	T	1.2492	1.2655		-1.3		
40	2-Nitroaniline	T	0.3724	0.3839		-3.1		
41	Dimethyl phthalate	T	1.4285	1.4547		-1.8		
42	2,6-Dinitrotoluene	T	0.2807	0.2929		-4.3		
43	Acenaphthylene	M	2.0256	2.0460		-1.0		
44	3-Nitroaniline	T	0.3114	0.3283		-5.4		
45	Acenaphthene	C	1.1901	1.2068		-1.4	20.0	*
46	2,4-Dinitrophenol	P	0.0105	0.0065	0.0500	38.3		*
47	4-Nitrophenol	P	0.1733	0.1847	0.0500	-6.6		*
48	2,4-Dinitrotoluene	M	0.3809	0.4029		-5.8		
49	Dibenzofuran	M	1.7599	1.7893		-1.7		
50	2,3,4,6-Tetrachlorophenol	T	0.1731	0.1882		-8.7		
51	Diethyl phthalate	T	1.4714	1.4884		-1.2		
52	Fluorene	T	1.4285	1.4534		-1.7		
53	4-Chlorophenylphenyl ether	T	0.6715	0.6925		-3.1		
54	4-Nitroaniline	T	0.2987	0.3167		-6.0		
55	Phenanthrene-d10	I	1.0000	1.0000		0.0		
56	4,6-Dinitro-o-cresol	T	0.0254	0.0256		-0.5		
57	Diphenylnitrosamine	C	0.6000	0.6072		-1.2	20.0	*
58	1,2-Diphenylhydrazine	T	0.9834	0.9893		-0.6		
59	2,4,6-Tribromophenol	S	0.0860	0.0824		4.3		
60	4-Bromophenylphenyl ether	T	0.2165	0.2195		-1.4		
61	Hexachlorobenzene	T	0.2228	0.2269		-1.8		

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

## SEMIVOLATILE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: Environmental Quality ServicesContract: WYANDANCLab Code: EQSCase No.: NASAS No: NASDG No: CC LabFile ID: C2854-6456Initial Calibration Start Date: 04/23/2012 11:59 AMLab Sample ID: 1204168Initial Calibration End Date: 4/23/2012 1:57:00 PMContinuing Calibration Date: 4/23/2012 3:11:00 PM

ID	ANALYTE	Sample Type	RRF	RRF20	Minimum RRF	Percent Difference	Maximum % Difference
62	Pentachlorophenol	C	0.0452	0.0372		17.8	20.0 *
63	Phenanthrene	T	1.1504	1.1766		-2.3	
64	Anthracene	T	1.1423	1.1750		-2.9	
65	Carbazole	T	1.0004	1.0324		-3.2	
66	Di-n-butyl phthalate	T	1.5408	1.5400		0.1	
67	Fluoranthene	C	1.2326	1.2551		-1.8	20.0 *
68	Chrysene-d12	I	1.0000	1.0000		0.0	
69	Benzidine	T	0.4965	0.4997		-0.6	
70	Pyrene	M	1.6227	1.6248		-0.1	
71	Terphenyl-d14	S	1.2582	1.1859		5.7	
72	Butyl benzyl phthalate	T	0.8585	0.8508		0.9	
73	3,3'-Dichlorobenzidine	T	0.3662	0.3729		-1.8	
74	bis(2-Ethylhexyl)phthalate	T	1.2434	1.2075		2.9	
75	Benzo[a]anthracene	T	1.1637	1.1779		-1.2	
76	Chrysene	T	1.0906	1.0957		-0.5	
77	Perylene-d12	I	1.0000	1.0000		0.0	
78	Di-n-octyl phthalate	C	4.4734	4.3112		3.6	20.0 *
79	3,4-Benzofluoranthene	T	1.5909	1.6587		-4.3	
80	Benzo[k]fluoranthene	T	1.4928	1.5770		-5.6	
81	Benzo[a]pyrene	C	1.1185	1.1684		-4.5	20.0 *
82	Indeno[1,2,3-cd]pyrene	T	0.6101	0.6390		-4.7	
83	Dibenzo[a,h]anthracene	T	0.5305	0.5485		-3.4	
84	Benzo[g,h,i]perylene	T	0.4512	0.4577		-1.4	
85	Cresol (total)	G	1.4528	1.4771		-1.7	

\* System Performance Check Compounds with required minimum RRF values.

\* Calibration Check Compounds (CCC) with required %D.

## Sample Types:

T = Target Compound

S = Surrogate Standard

P = System Performance Check Compound

M = Matrix Spike Compound

I = Internal Standard

C = Calibration Check Compound

G = Analytical Group

Data Path : U:\DATA\C\C2854\  
 Data File : C6456.D  
 Acq On : 23 Apr 2012 3:11 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:37:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	5.459	152	205424	40.00	ug/ml	0.00	
19) Naphthalene-d8 (IS)	6.672	136	837314	40.00	ug/ml	0.00	
34) Acenaphthene-d10 (IS)	8.456	164	459332	40.00	ug/ml	0.00	
55) Phenanthrene-d10 (IS)	9.972	188	789210	40.00	ug/ml	0.00	
68) Chrysene-d12 (IS)	13.017	240	616517	40.00	ug/ml	0.00	
77) Perylene-d12 (IS)	16.072	264	269249	40.00	ug/ml	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (surr)	4.396	112	827808	113.73	ug/ml	0.00	
Spiked Amount	200.000	Range	21 - 110	Recovery	=	56.87%	
5) Phenol-d6 (surr)	5.101	99	1087949	112.90	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 110	Recovery	=	56.45%	
20) Nitrobenzene-d5 (surr)	5.988	82	496365	56.76	ug/ml	0.00	
Spiked Amount	100.000	Range	35 - 114	Recovery	=	56.76%	
38) 2-Fluorobiphenyl (surr)	7.724	172	1029166	56.69	ug/ml	0.00	
Spiked Amount	100.000	Range	43 - 116	Recovery	=	56.69%	
59) 2,4,6-Tribromophenol ...	9.278	330	194978	114.82	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	57.41%	
71) Terphenyl-d14 (surr)	11.559	244	1096668	56.55	ug/ml	0.00	
Spiked Amount	100.000	Range	33 - 141	Recovery	=	56.55%	
Target Compounds							
2) N-Nitrosodimethylamine	3.515	42	90715m	20.65	ug/ml		Qvalue
3) Pyridine	3.558	79	194553m	20.53	ug/ml		
6) Phenol	5.112	94	232545	20.32	ug/ml		99
7) Aniline	5.192	66	76755	20.52	ug/ml		94
8) bis(2-Chloroethyl)ether	5.192	63	141167	20.44	ug/ml		93
9) 2-Chlorophenol	5.304	128	168898	20.47	ug/ml		99
10) 1,3-Dichlorobenzene	5.432	146	180523	20.30	ug/ml		96
11) 1,4-Dichlorobenzene	5.470	146	183757	20.56	ug/ml		96
12) Benzyl alcohol	5.561	108	94985	19.87	ug/ml		98
13) 1,2-Dichlorobenzene	5.651	146	173871	20.42	ug/ml		99
14) 2-Methylphenol	5.646	108	147719	19.99	ug/ml		97
15) bis(2-Chloroisopropyl)...	5.673	45	263433	20.14	ug/ml		98
16) 4-Methylphenol	5.769	108	155708	20.67	ug/ml		94
17) N-Nitrosodi-n-propylamine	5.806	70	126048	20.61	ug/ml		97
18) Hexachloroethane	5.940	117	65623	20.49	ug/ml		96
21) Nitrobenzene	6.009	123	81452	20.66	ug/ml		91
22) Isophorone	6.202	82	278649	20.30	ug/ml		99
23) 2-Nitrophenol	6.308	139	77840	20.64	ug/ml		99
24) 2,4-Dimethylphenol	6.276	122	151262	19.51	ug/ml		97
25) Benzoic acid	6.367	105	57764	57.53	ug/ml		94



Data Path : U:\DATA\C\C2854\  
 Data File : C6456.D  
 Acq On : 23 Apr 2012 3:11 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:37:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
26) bis(2-Chloroethoxy)met...	6.367	93	198741	20.33	ug/ml	98
27) 2,4-Dichlorophenol	6.533	162	129277	20.66	ug/ml	99
28) 1,2,4-Trichlorobenzene	6.618	180	139898	20.28	ug/ml	98
29) Naphthalene	6.693	128	475192	20.35	ug/ml	99
30) 4-Chloroaniline	6.736	127	176939	20.39	ug/ml	98
31) Hexachlorobutadiene	6.832	225	83180	20.61	ug/ml	98
32) 4-Chloro-3-methylphenol	7.174	107	141208	20.16	ug/ml	98
33) 2-Methylnaphthalene	7.366	142	330711	20.58	ug/ml	99
35) Hexachlorocyclopentadiene	7.580	237	89483	62.73	ug/ml	99
36) 2,4,6-Trichlorophenol	7.665	196	83040	20.93	ug/ml	94
37) 2,4,5-Trichlorophenol	7.718	196	85119	20.65	ug/ml	92
39) 2-Chloronaphthalene	7.868	162	290650	20.26	ug/ml	99
40) 2-Nitroaniline	7.986	65	88158	20.61	ug/ml	98
41) Dimethylphthalate	8.135	163	334105	20.37	ug/ml	99
42) 2,6-Dinitrotoluene	8.237	165	67264	20.86	ug/ml	98
43) Acenaphthylene	8.311	152	469895	20.20	ug/ml	100
44) 3-Nitroaniline	8.407	138	75399	21.08	ug/ml	97
45) Acenaphthene	8.493	154	277161	20.28	ug/ml	100
46) 2,4-Dinitrophenol	8.509	184	4487m	98.71	ug/ml	
47) 4-Nitrophenol	8.541	65	127278	63.96	ug/ml	99
48) 2,4-Dinitrotoluene	8.648	165	92522	21.15	ug/ml	97
49) Dibenzofuran	8.648	168	410952	20.33	ug/ml	96
50) 2,3,4,6-Tetrachlorophenol	8.808	232	43226	21.74	ug/ml	97
51) Diethylphthalate	8.835	149	341829	20.23	ug/ml	98
52) Fluorene	9.000	166	333805	20.35	ug/ml	100
53) 4-Chlorophenyl phenyl ...	8.952	204	159037	20.62	ug/ml	98
54) 4-Nitroaniline	9.043	138	72728	21.20	ug/ml	99
56) 4,6-Dinitro-2-methylph...	9.070	198	30347	96.58	ug/ml	88
57) N-Nitrosodiphenylamine	9.080	169	239618	20.24	ug/ml	99
58) 1,2-Diphenylhydrazine	9.112	77	390388	20.12	ug/ml	98
60) 4-Bromophenyl phenyl e...	9.454	248	86624	20.28	ug/ml	100
61) Hexachlorobenzene	9.652	284	89536	20.37	ug/ml	97
62) Pentachlorophenol	9.828	266	44009	56.32	ug/ml	98
63) Phenanthrene	9.999	178	464273	20.45	ug/ml	100
64) Anthracene	10.042	178	463650	20.57	ug/ml	99
65) Carbazole	10.191	167	407397	20.64	ug/ml	99
66) Di-n-butylphthalate	10.464	149	607703	19.99	ug/ml	99
67) Fluoranthene	11.233	202	495272	20.36	ug/ml	95
69) Benzidine	11.313	184	462069	18.95	ug/ml	99
70) Pyrene	11.479	202	500861	20.03	ug/ml	98
72) Butylbenzylphthalate	12.077	149	262253	19.82	ug/ml	100
73) 3,3'-Dichlorobenzidine	12.889	252	114964	20.36	ug/ml	98
74) bis(2-Ethylhexyl)phtha...	12.787	149	372229	19.42	ug/ml	100

Data Path : U:\DATA\C\C2854\  
 Data File : C6456.D  
 Acq On : 23 Apr 2012 3:11 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 8 Sample Multiplier: 1

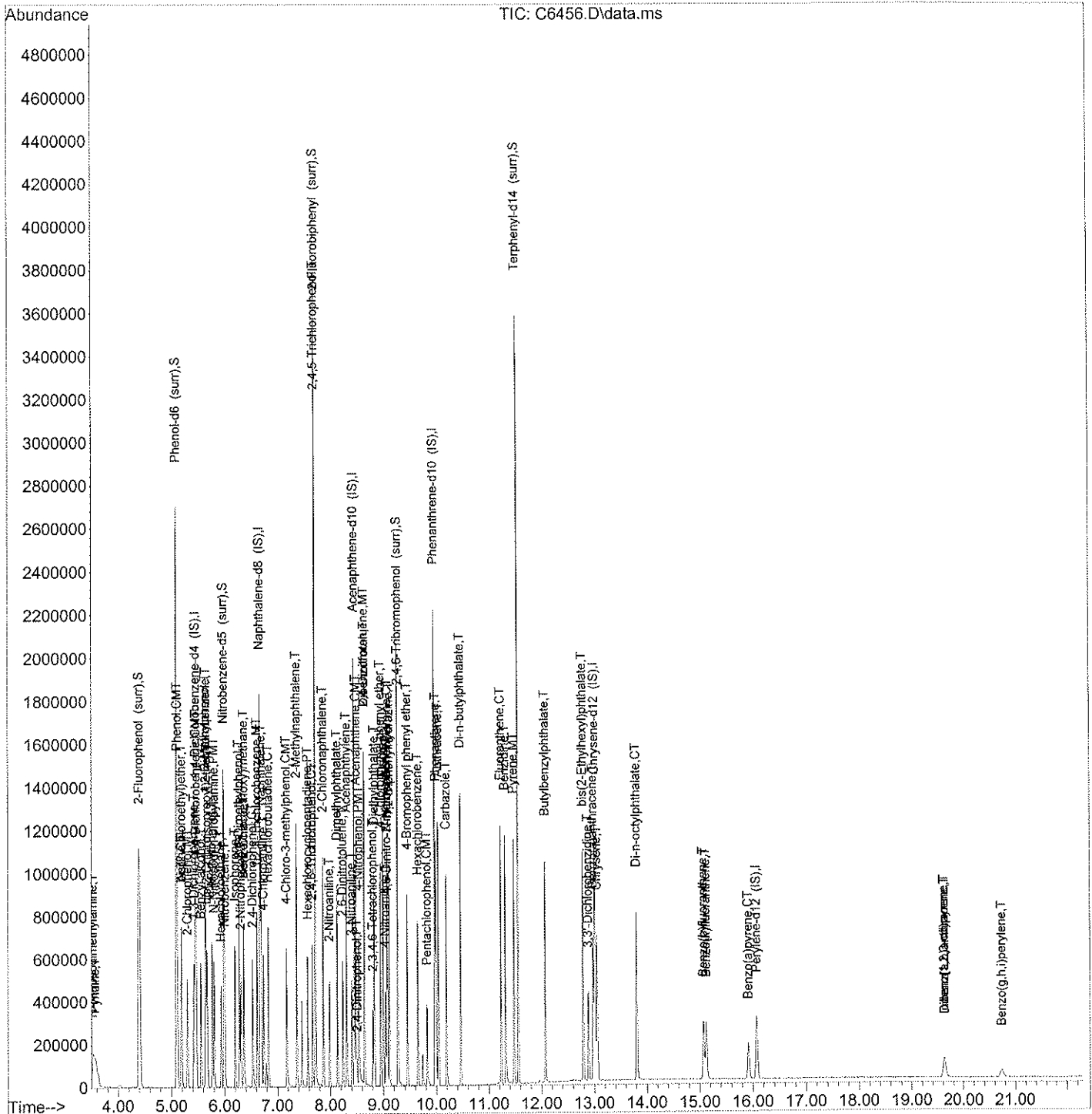
Quant Time: Apr 23 15:37:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Benzo(a)anthracene	12.979	228	363106	20.24	ug/ml	99
76) Chrysene	13.054	228	337768	20.09	ug/ml	97
78) Di-n-octylphthalate	13.807	149	580388	19.27	ug/ml	99
79) Benzo(b)fluoranthene	15.073	252	223305	20.85	ug/ml	96
80) Benzo(k)fluoranthene	15.127	252	212309	21.13	ug/ml	100
81) Benzo(a)pyrene	15.917	252	157296	20.89	ug/ml	98
82) Indeno(1,2,3-cd)pyrene	19.624	276	86023	20.95	ug/ml	96
83) Dibenz(a,h)anthracene	19.629	278	73848	20.68	ug/ml#	89
84) Benzo(g,h,i)perylene	20.735	276	61622	20.29	ug/ml#	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6456.D  
 Acq On : 23 Apr 2012 3:11 pm  
 Operator : JK  
 Sample : SSTD020  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 23 15:37:30 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

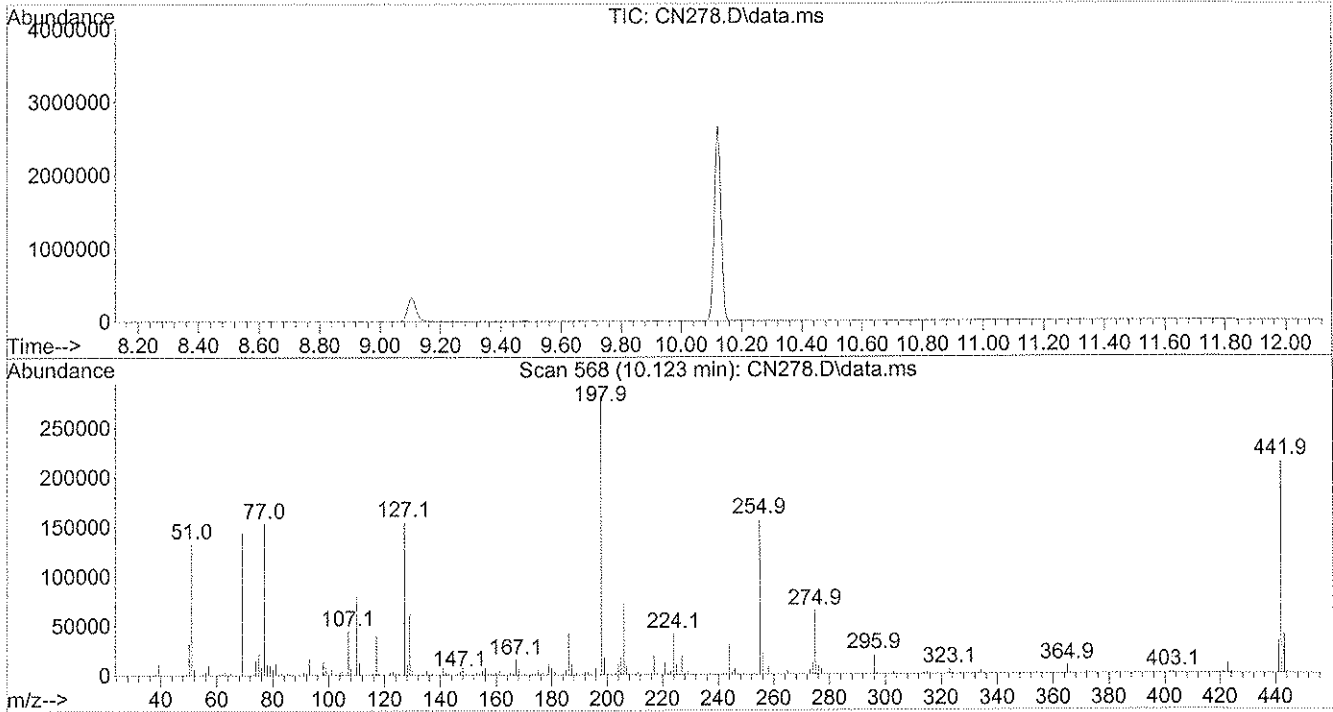
## **Semivolatile Raw QC Data**

*Environmental Quality Services, Inc.*

Data Path : U:\DATA\C\C2854\  
 Data File : CN278.D  
 Acq On : 23 Apr 2012 11:26 am  
 Operator : JK  
 Sample : 50ngDFTPP  
 Misc : ;1;L;1.00;1.00; C2854 DFTPP  
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Title : C\_8270A  
 Last Update : Thu May 17 17:31:49 2012



Spectrum Information: Scan 568

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.2	133248	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	51.3	144576	PASS
70	69	0.00	2	0.8	1129	PASS
127	198	40	60	55.0	155008	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	282048	PASS
199	198	5	9	6.7	18952	PASS
275	198	10	30	23.1	65160	PASS
365	198	1	100	3.3	9349	PASS
441	443	0.01	100	83.1	33432	PASS
442	198	40	110	76.3	215232	PASS
443	442	17	23	18.7	40216	PASS

Data Path : U:\DATA\C\C2854\  
 Data File : C6457.D  
 Acq On : 23 Apr 2012 3:40 pm  
 Operator : JK  
 Sample : SBLK-51  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 09:35:14 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

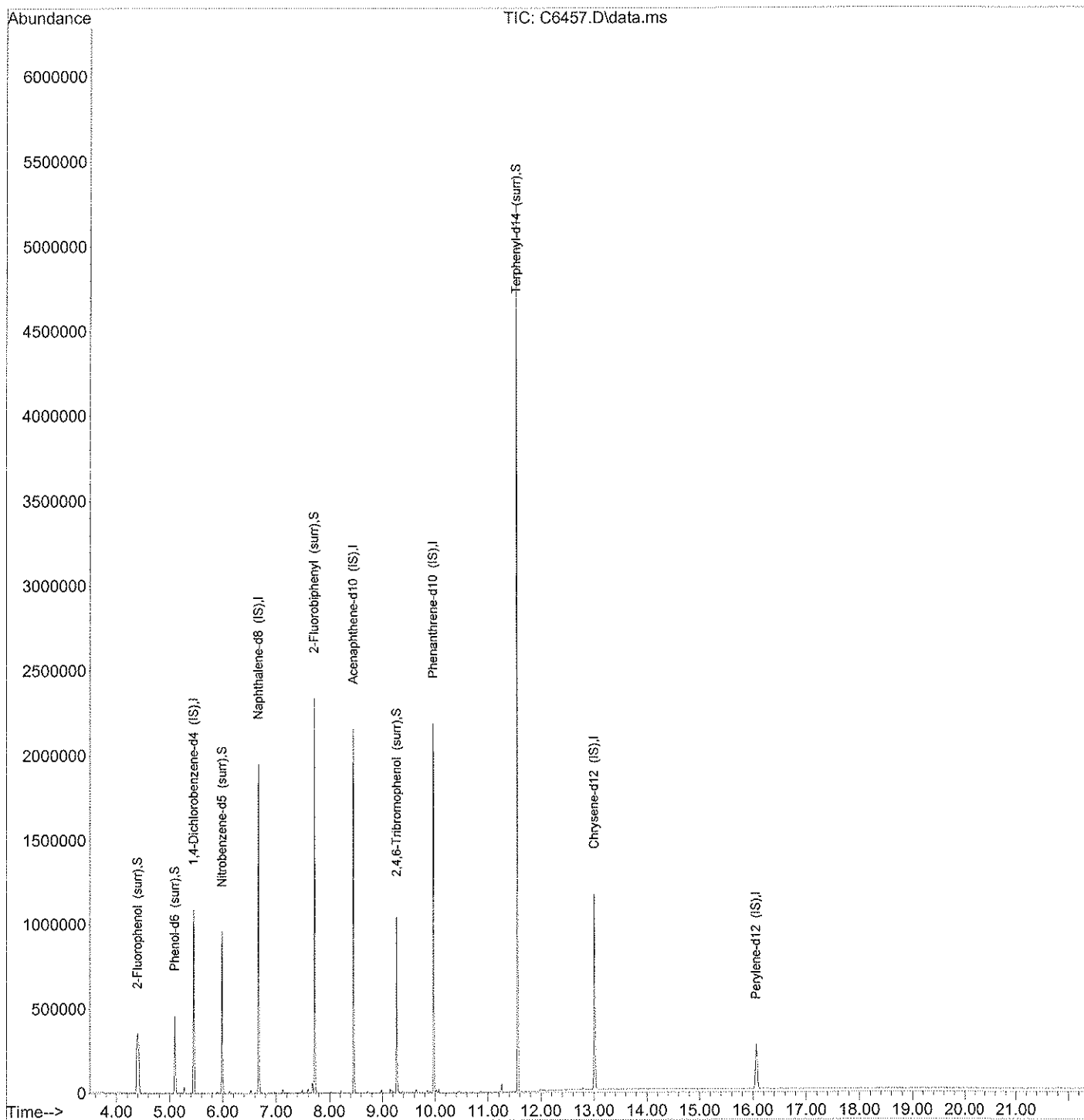
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	5.456	152	205014	40.00	ug/ml	0.00
19) Naphthalene-d8 (IS)	6.674	136	845221	40.00	ug/ml	0.00
34) Acenaphthene-d10 (IS)	8.458	164	473717	40.00	ug/ml	0.00
55) Phenanthrene-d10 (IS)	9.969	188	828531	40.00	ug/ml	0.00
68) Chrysene-d12 (IS)	13.014	240	590593	40.00	ug/ml	0.00
77) Perylene-d12 (IS)	16.064	264	242766	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (surr)	4.393	112	267864	36.88	ug/ml	0.00
Spiked Amount	200.000	Range 21 - 110	Recovery	=	18.44%#	
5) Phenol-d6 (surr)	5.098	99	214069	22.26	ug/ml	0.00
Spiked Amount	200.000	Range 10 - 110	Recovery	=	11.13%	
20) Nitrobenzene-d5 (surr)	5.990	82	333809	37.82	ug/ml	0.00
Spiked Amount	100.000	Range 35 - 114	Recovery	=	37.82%	
38) 2-Fluorobiphenyl (surr)	7.721	172	674140	36.00	ug/ml	0.00
Spiked Amount	100.000	Range 43 - 116	Recovery	=	36.00%#	
59) 2,4,6-Tribromophenol ...	9.275	330	106428	59.70	ug/ml	0.00
Spiked Amount	200.000	Range 10 - 123	Recovery	=	29.85%	
71) Terphenyl-d14 (surr)	11.561	244	1411577	75.98	ug/ml	0.00
Spiked Amount	100.000	Range 33 - 141	Recovery	=	75.98%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6457.D  
 Acq On : 23 Apr 2012 3:40 pm  
 Operator : JK  
 Sample : SBLK-51  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 09:35:14 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration



Data Path : U:\DATA\C\C2854\  
 Data File : C6458.D  
 Acq On : 23 Apr 2012 4:09 pm  
 Operator : JK  
 Sample : MSB-49  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 24 09:35:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4...	5.456	152	186867	40.00	ug/ml	0.00	
19) Naphthalene-d8 (IS)	6.674	136	768221	40.00	ug/ml	0.00	
34) Acenaphthene-d10 (IS)	8.458	164	425159	40.00	ug/ml	0.00	
55) Phenanthrene-d10 (IS)	9.975	188	723907	40.00	ug/ml	0.00	
68) Chrysene-d12 (IS)	13.014	240	559710	40.00	ug/ml	0.00	
77) Perylene-d12 (IS)	16.064	264	253578	40.00	ug/ml	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (surr)	4.399	112	300189	45.34	ug/ml	0.00	
Spiked Amount	200.000	Range	21 - 110	Recovery	=	22.67%	
5) Phenol-d6 (surr)	5.099	99	240297	27.41	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 110	Recovery	=	13.71%	
20) Nitrobenzene-d5 (surr)	5.991	82	365852	45.60	ug/ml	0.00	
Spiked Amount	100.000	Range	35 - 114	Recovery	=	45.60%	
38) 2-Fluorobiphenyl (surr)	7.721	172	777184	46.25	ug/ml	0.00	
Spiked Amount	100.000	Range	43 - 116	Recovery	=	46.25%	
59) 2,4,6-Tribromophenol ...	9.275	330	212577	136.48	ug/ml	0.00	
Spiked Amount	200.000	Range	10 - 123	Recovery	=	68.24%	
71) Terphenyl-d14 (surr)	11.561	244	1293788	73.48	ug/ml	0.00	
Spiked Amount	100.000	Range	33 - 141	Recovery	=	73.48%	
Target Compounds							Qvalue
<del>2) N-Nitrosodimethylamine</del>	<del>3.507</del>	<del>42</del>	<del>40513m</del>	<del>10.14</del>	<del>ug/ml</del>		
<del>3) Pyridine</del>	<del>3.555</del>	<del>79</del>	<del>45448m</del>	<del>5.27</del>	<del>ug/ml</del>		
6) Phenol	5.109	94	53906	5.18	ug/ml		93
7) Aniline	5.189	66	47768	14.04	ug/ml		80
8) bis(2-Chloroethyl) ether	5.195	63	106639	16.97	ug/ml		96
9) 2-Chlorophenol	5.302	128	112409	14.98	ug/ml		99
10) 1,3-Dichlorobenzene	5.430	146	127825	15.80	ug/ml		100
11) 1,4-Dichlorobenzene	5.472	146	128107	15.75	ug/ml		100
12) Benzyl alcohol	5.558	108	59662	13.72	ug/ml		97
13) 1,2-Dichlorobenzene	5.649	146	124787	16.11	ug/ml		98
14) 2-Methylphenol	5.649	108	91535	13.62	ug/ml		97
15) bis(2-Chloroisopropyl)...	5.675	45	200469	16.85	ug/ml		100
16) 4-Methylphenol	5.772	108	81840	11.94	ug/ml		87
17) N-Nitrosodi-n-propylamine	5.809	70	94572	17.00	ug/ml		99
18) Hexachloroethane	5.937	117	43324	14.87	ug/ml		97
21) Nitrobenzene	6.007	123	60304	16.68	ug/ml		99
22) Isophorone	6.199	82	265920	21.11	ug/ml		99
23) 2-Nitrophenol	6.311	139	52788	15.26	ug/ml		96
24) 2,4-Dimethylphenol	6.279	122	87198	12.26	ug/ml		94
<del>25) Benzoic acid</del>	<del>6.279</del>	<del>105</del>	<del>2989</del>	<del>29.64</del>	<del>ug/ml</del>	<del>#</del>	<del>1</del>



Data Path : U:\DATA\C\C2854\  
 Data File : C6458.D  
 Acq On : 23 Apr 2012 4:09 pm  
 Operator : JK  
 Sample : MSB-49  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 24 09:35:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
26) bis(2-Chloroethoxy)met...	6.364	93	150813	16.81	ug/ml	99
27) 2,4-Dichlorophenol	6.530	162	92483	16.11	ug/ml	97
28) 1,2,4-Trichlorobenzene	6.615	180	101485	16.04	ug/ml	98
29) Naphthalene	6.696	128	369026	17.22	ug/ml	100
30) 4-Chloroaniline	6.738	127	141338	17.75	ug/ml	99
31) Hexachlorobutadiene	6.829	225	57440	15.51	ug/ml	97
32) 4-Chloro-3-methylphenol	7.176	107	116333	18.11	ug/ml	99
33) 2-Methylnaphthalene	7.369	142	250003	16.96	ug/ml	99
35) Hexachlorocyclopentadiene	7.577	237	9026	15.28	ug/ml	97
36) 2,4,6-Trichlorophenol	7.668	196	61891	16.85	ug/ml	98
37) 2,4,5-Trichlorophenol	7.716	196	70354	18.44	ug/ml	92
39) 2-Chloronaphthalene	7.871	162	230748	17.38	ug/ml	98
40) 2-Nitroaniline	7.988	65	90905	22.97	ug/ml	99
41) Dimethylphthalate	8.138	163	364641	24.01	ug/ml	97
42) 2,6-Dinitrotoluene	8.239	165	75669	25.36	ug/ml	94
43) Acenaphthylene	8.309	152	408004	18.95	ug/ml	100
44) 3-Nitroaniline	8.410	138	87245	26.36	ug/ml	99
45) Acenaphthene	8.490	154	244279	19.31	ug/ml	99
47) 4-Nitrophenol	8.544	65	11557	6.27	ug/ml	96
48) 2,4-Dinitrotoluene	8.645	165	108697	26.84	ug/ml	93
49) Dibenzofuran	8.645	168	382247	20.43	ug/ml	98
50) 2,3,4,6-Tetrachlorophenol	8.805	232	41872	22.75	ug/ml	97
51) Diethylphthalate	8.832	149	416777	26.65	ug/ml	97
52) Fluorene	9.003	166	345083	22.73	ug/ml	98
53) 4-Chlorophenyl phenyl ...	8.950	204	154338	21.62	ug/ml	99
54) 4-Nitroaniline	9.040	138	88896	28.00	ug/ml	99
57) N-Nitrosodiphenylamine	9.078	169	318255	29.31	ug/ml	98
58) 1,2-Diphenylhydrazine	9.115	77	404877	22.75	ug/ml	98
60) 4-Bromophenyl phenyl e...	9.457	248	93195	23.78	ug/ml	99
61) Hexachlorobenzene	9.649	284	102800	25.50	ug/ml	97
63) Phenanthrene	9.996	178	548777	26.36	ug/ml	100
64) Anthracene	10.044	178	562436	27.20	ug/ml	100
65) Carbazole	10.194	167	550363	30.40	ug/ml	98
66) Di-n-butylphthalate	10.461	149	798307	28.63	ug/ml	100
67) Fluoranthene	11.230	202	646769	28.99	ug/ml	99
69) Benzidine	11.316	184	70133	3.17	ug/ml	100
70) Pyrene	11.481	202	644548	28.39	ug/ml	96
72) Butylbenzylphthalate	12.074	149	352493	29.34	ug/ml	97
73) 3,3'-Dichlorobenzidine	12.891	252	320560	62.54	ug/ml	96
74) bis(2-Ethylhexyl)phtha...	12.790	149	500675	28.77	ug/ml	98
75) Benzo(a)anthracene	12.982	228	489797	30.08	ug/ml	100
76) Chrysene	13.057	228	438539	28.74	ug/ml	98
78) Di-n-octylphthalate	13.805	149	764369	26.95	ug/ml	99

Data Path : U:\DATA\C\C2854\  
Data File : C6458.D  
Acq On : 23 Apr 2012 4:09 pm  
Operator : JK  
Sample : MSB-49  
Misc : ;1;L;1.00;1.00; C2854 8270A  
ALS Vial : 10 Sample Multiplier: 1

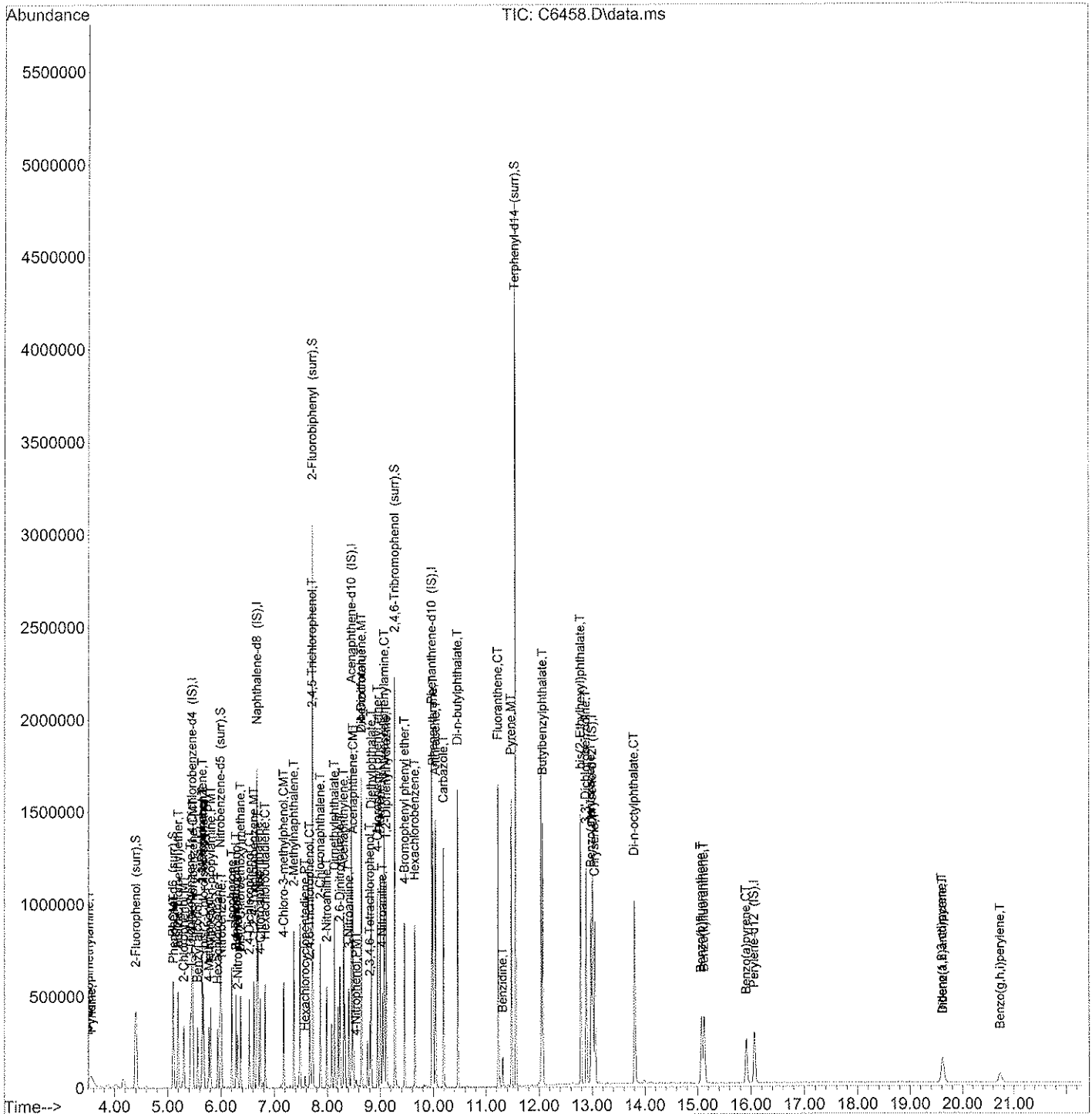
Quant Time: Apr 24 09:35:32 2012  
Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
Quant Title : C\_8270A  
QLast Update : Mon Apr 23 14:26:18 2012  
Response via : Initial Calibration

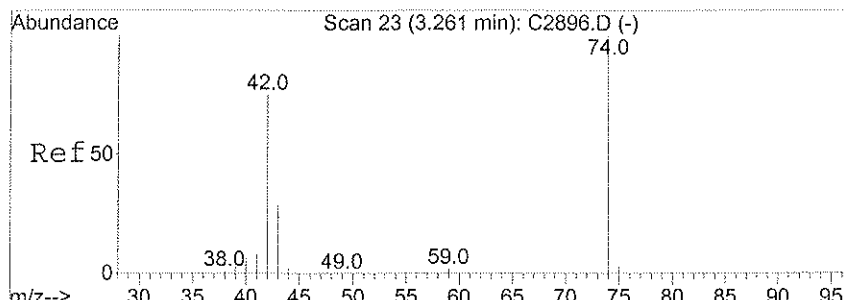
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Benzo(b)fluoranthene	15.070	252	294564	29.21	ug/ml	99
80) Benzo(k)fluoranthene	15.124	252	295671	31.24	ug/ml	98
81) Benzo(a)pyrene	15.914	252	219519	30.96	ug/ml	99
82) Indeno(1,2,3-cd)pyrene	19.616	276	124655	32.23	ug/ml	94
83) Dibenz(a,h)anthracene	19.626	278	108762	32.34	ug/ml#	89
84) Benzo(g,h,i)perylene	20.732	276	86773	30.34	ug/ml#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\DATA\C\C2854\  
 Data File : C6458.D  
 Acq On : 23 Apr 2012 4:09 pm  
 Operator : JK  
 Sample : MSB-49  
 Misc : ;1;L;1.00;1.00; C2854 8270A  
 ALS Vial : 10 Sample Multiplier: 1

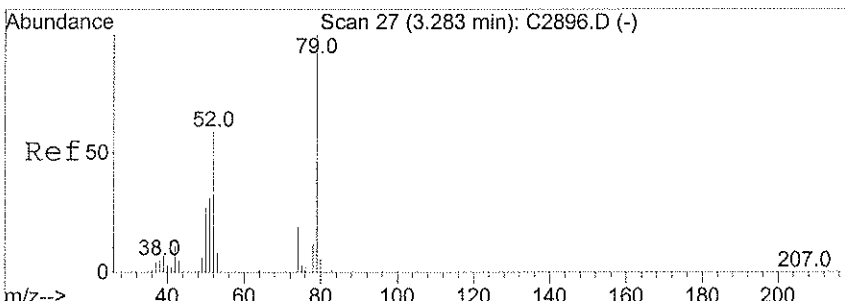
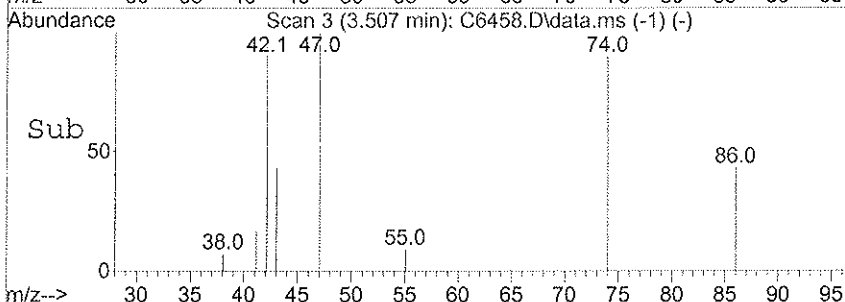
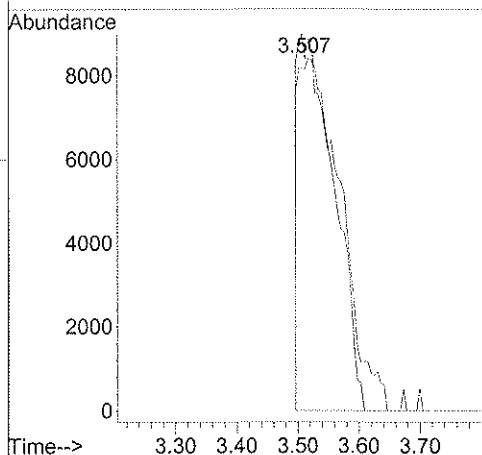
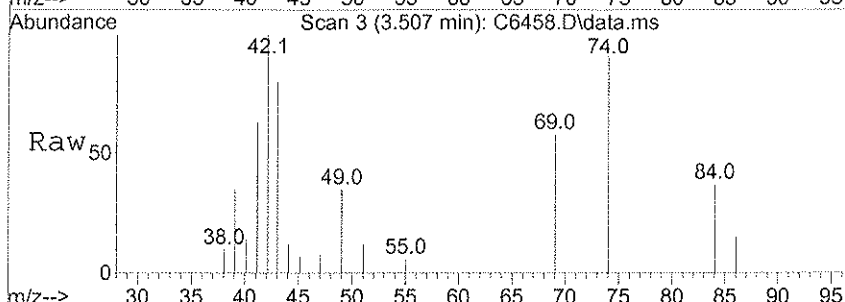
Quant Time: Apr 24 09:35:32 2012  
 Quant Method : C:\HP\semi\METHODS\C\C\_8270a.m  
 Quant Title : C\_8270A  
 QLast Update : Mon Apr 23 14:26:18 2012  
 Response via : Initial Calibration





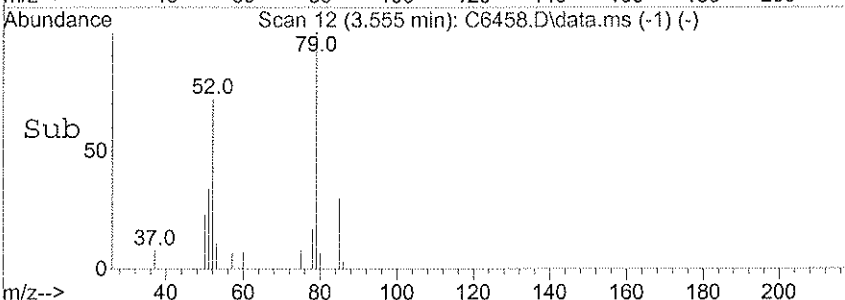
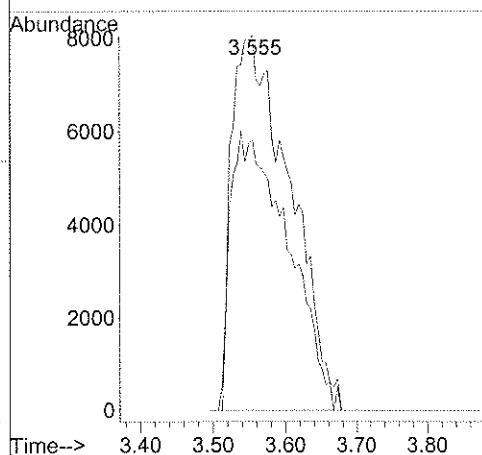
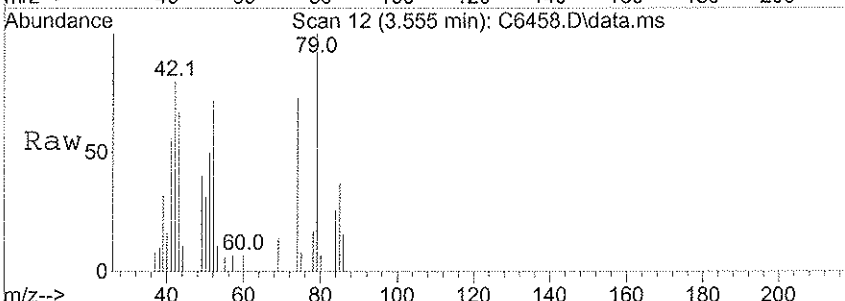
#2  
 N-Nitrosodimethylamine  
 Concen: 10.14 ug/ml m  
 RT: 3.507 min Scan# 3  
 Delta R.T. -0.015 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

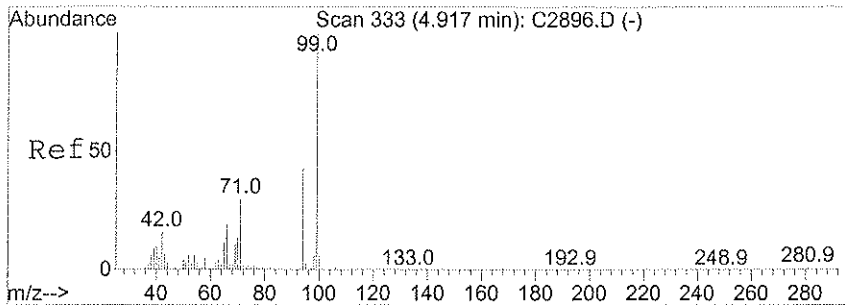
Tgt Ion	Resp	Lower	Upper
42	40513		
74	90.8	83.0	124.4



#3  
 Pyridine  
 Concen: 5.27 ug/ml m  
 RT: 3.555 min Scan# 12  
 Delta R.T. 0.027 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

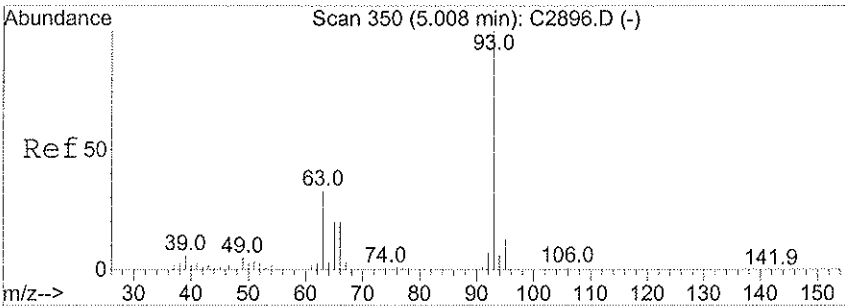
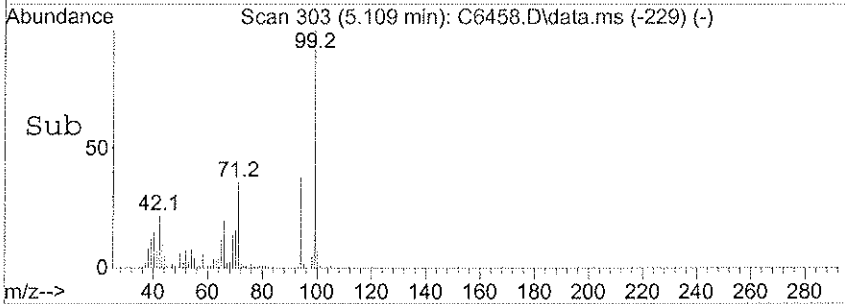
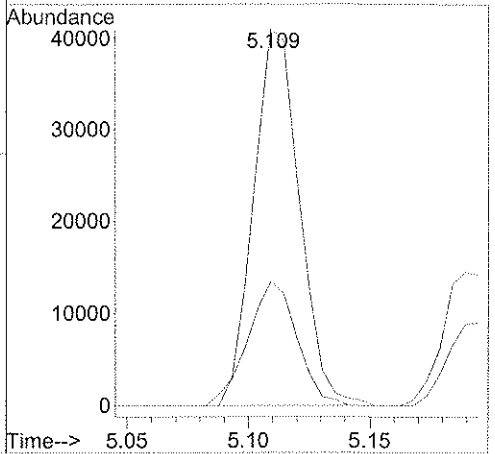
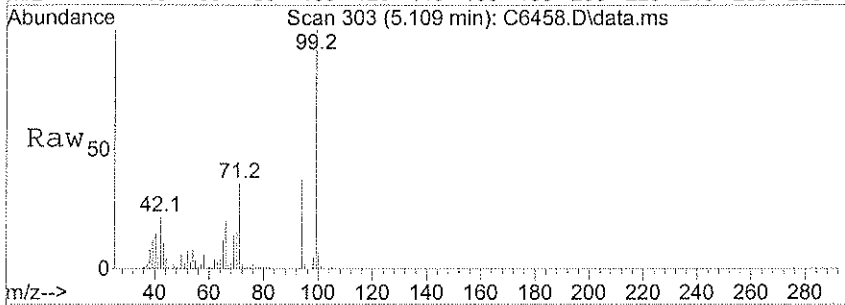
Tgt Ion	Resp	Lower	Upper
79	45448		
52	72.2	54.1	81.1





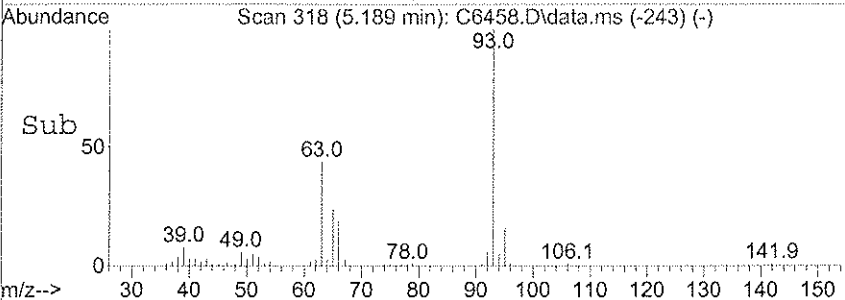
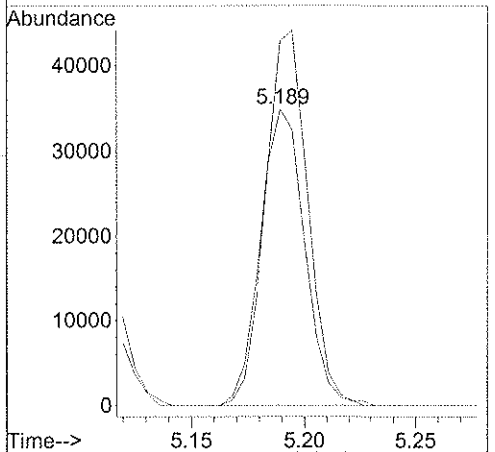
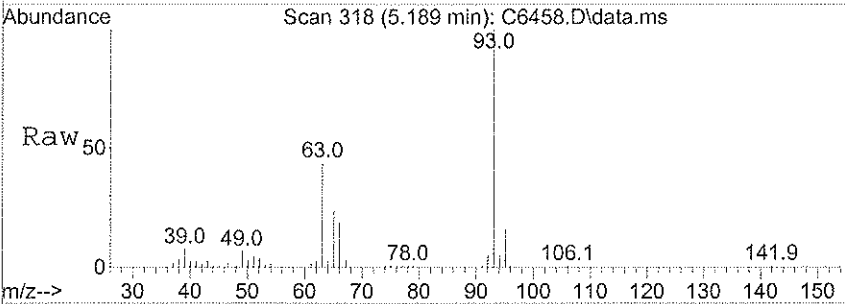
#6  
 Phenol  
 Concen: 5.18 ug/ml  
 RT: 5.109 min Scan# 303  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

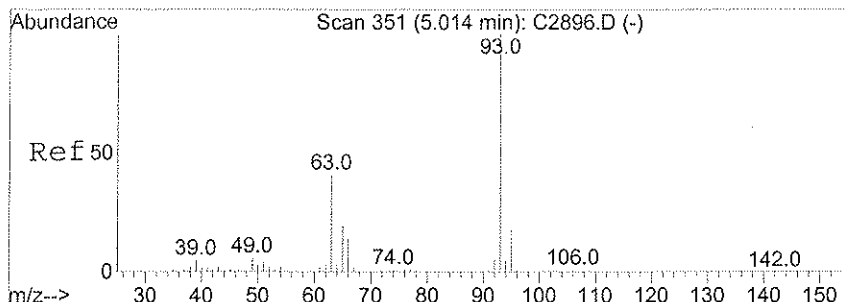
Tgt Ion	Resp	Lower	Upper
94	53906		
94	100		
39	32.7	20.2	37.6



#7  
 Aniline  
 Concen: 14.04 ug/ml  
 RT: 5.189 min Scan# 318  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

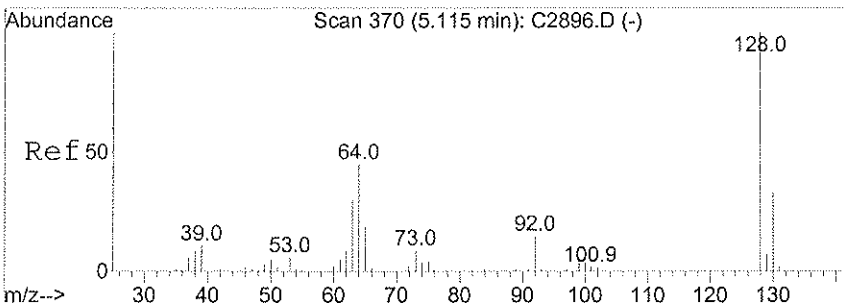
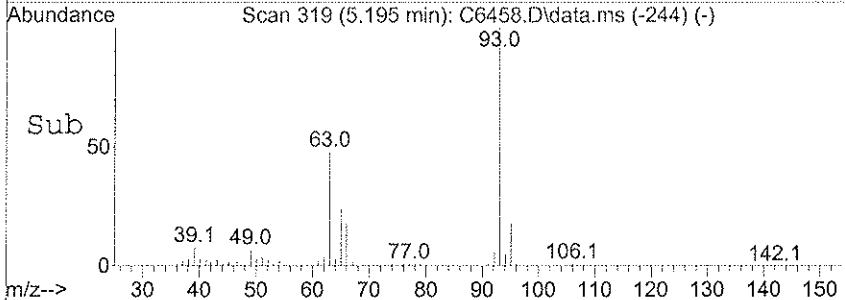
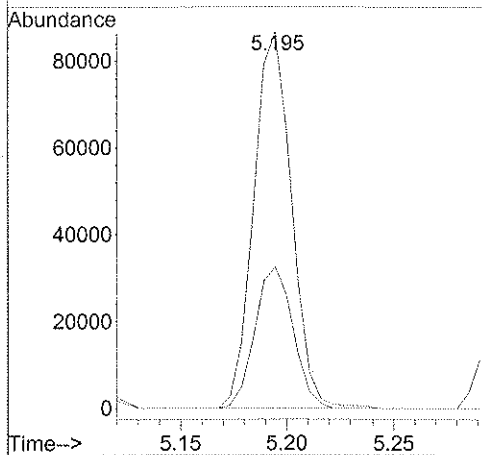
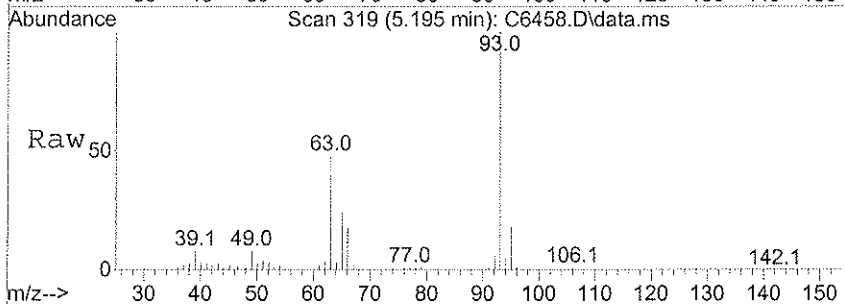
Tgt Ion	Resp	Lower	Upper
66	47768		
66	100		
65	122.7	81.8	122.8





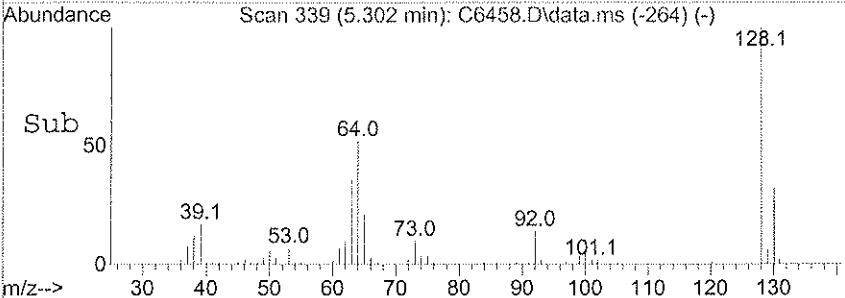
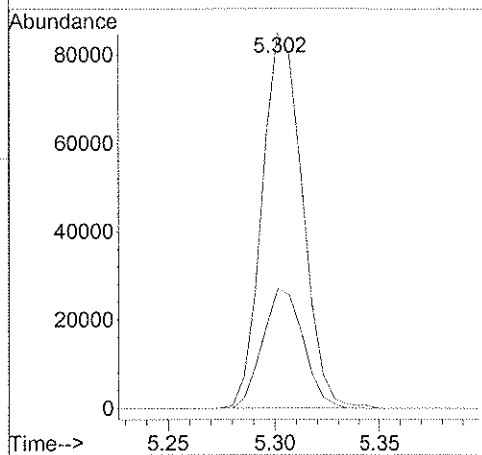
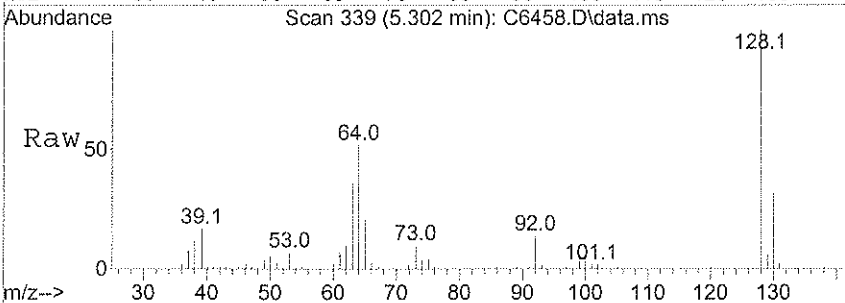
#8  
 bis(2-Chloroethyl) ether  
 Concen: 16.97 ug/ml  
 RT: 5.195 min Scan# 319  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

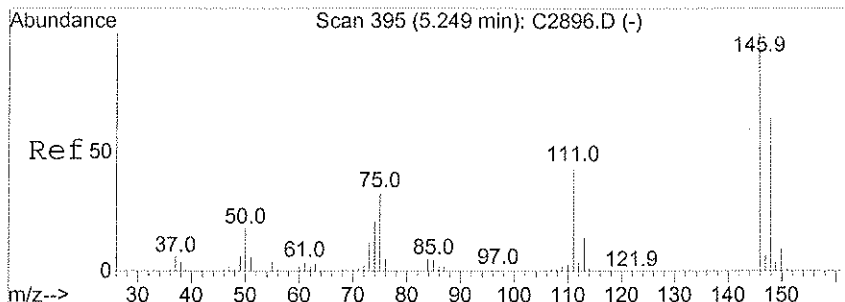
Tgt Ion:	Resp:	Lower	Upper
63	106639		
95	37.5	31.8	47.8



#9  
 2-Chlorophenol  
 Concen: 14.98 ug/ml  
 RT: 5.302 min Scan# 339  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

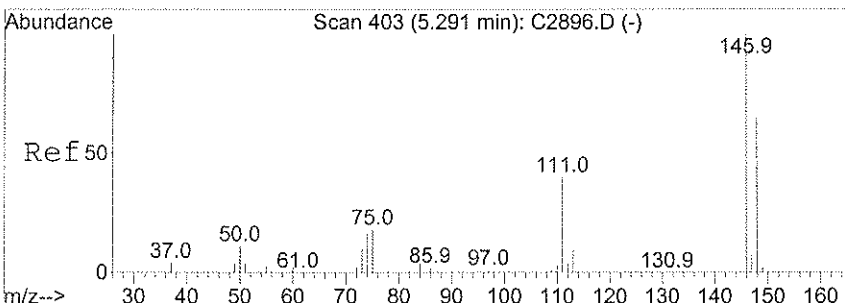
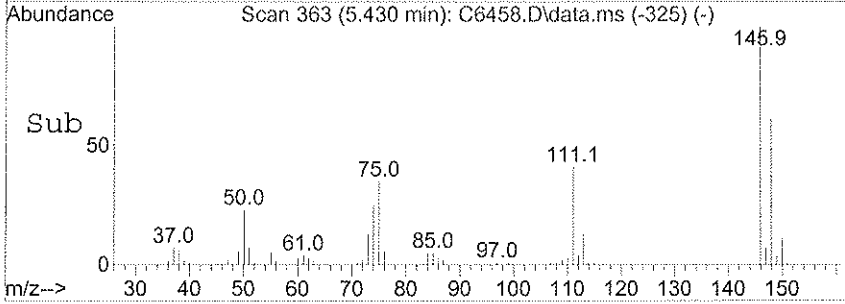
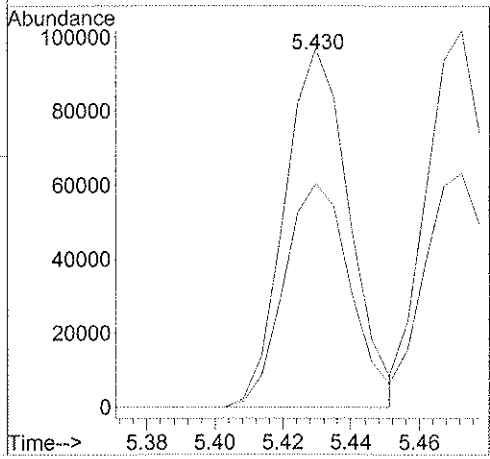
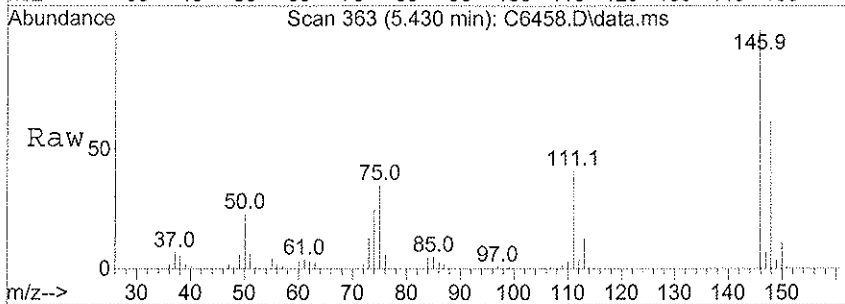
Tgt Ion:	Resp:	Lower	Upper
128	112409		
130	31.9	25.3	37.9





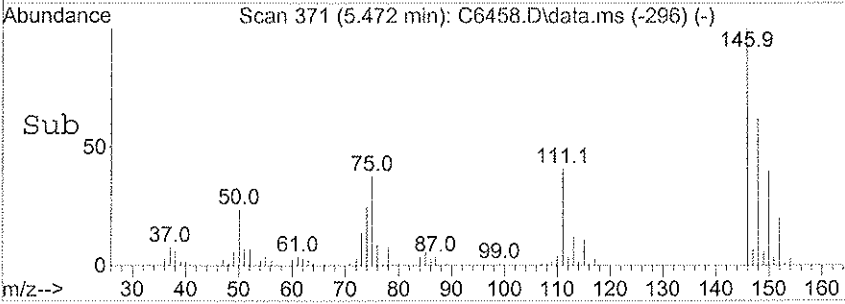
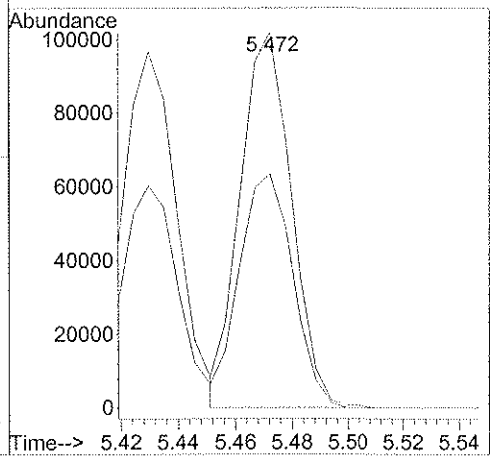
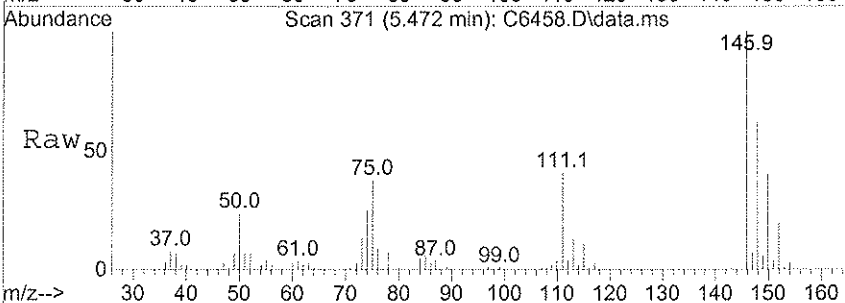
#10  
 1,3-Dichlorobenzene  
 Concen: 15.80 ug/ml  
 RT: 5.430 min Scan# 363  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

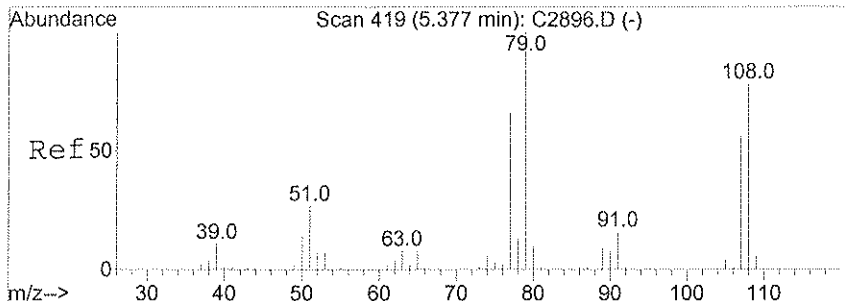
Tgt Ion	Resp	Lower	Upper
146	127825		
148	62.4	49.6	74.4



#11  
 1,4-Dichlorobenzene  
 Concen: 15.75 ug/ml  
 RT: 5.472 min Scan# 371  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

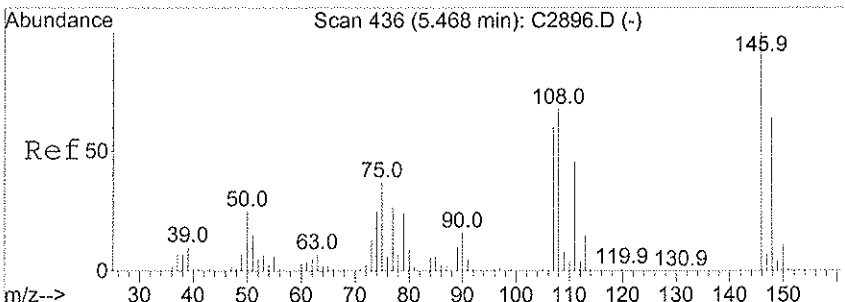
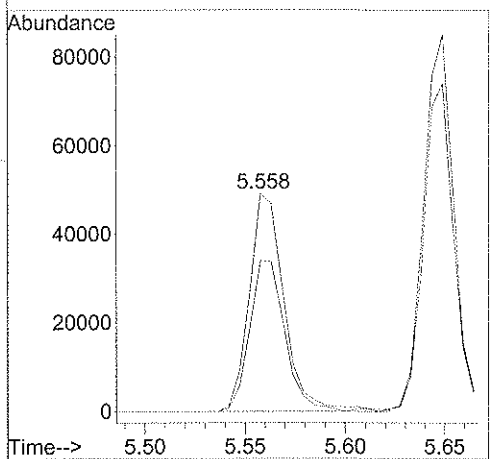
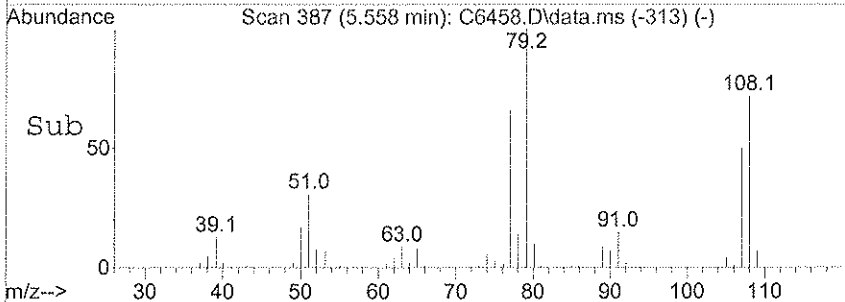
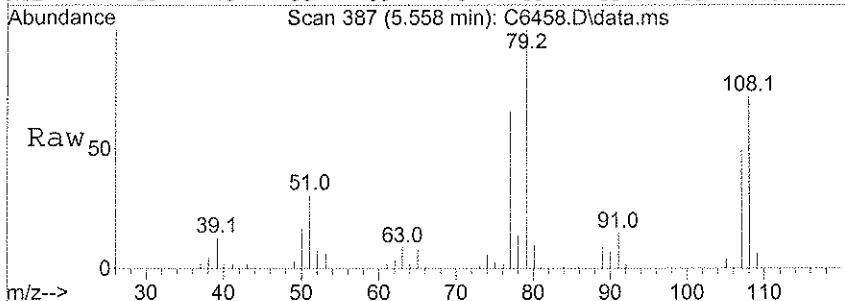
Tgt Ion	Resp	Lower	Upper
146	128107		
148	62.3	49.9	74.9





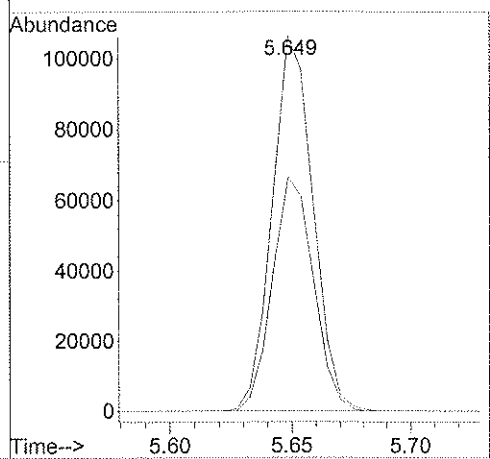
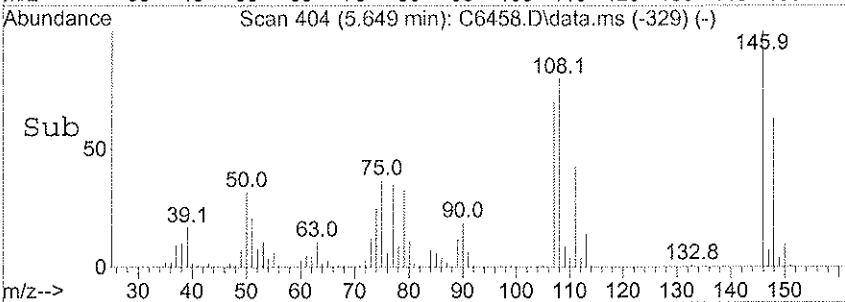
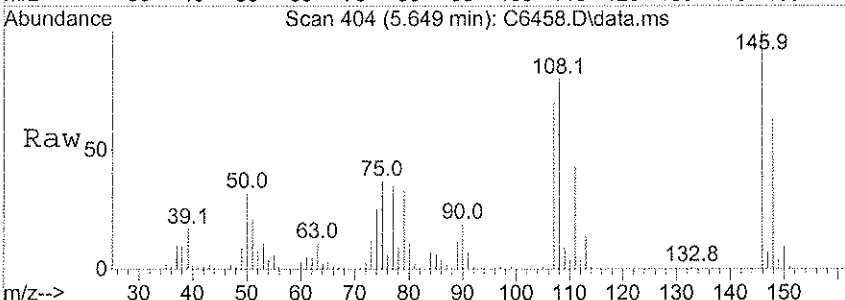
#12  
 Benzyl alcohol  
 Concen: 13.72 ug/ml  
 RT: 5.558 min Scan# 387  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
108	59662		
107	69.3	57.2	85.8

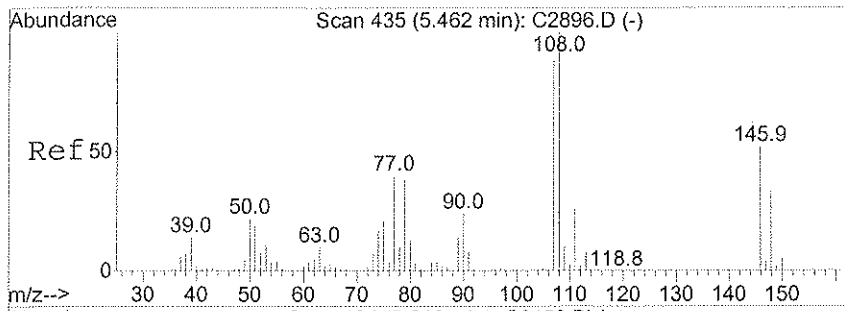


#13  
 1,2-Dichlorobenzene  
 Concen: 16.11 ug/ml  
 RT: 5.649 min Scan# 404  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
146	124787		
148	62.6	51.3	76.9

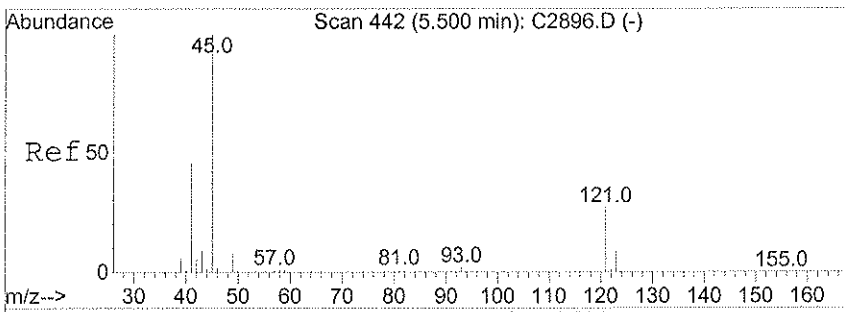
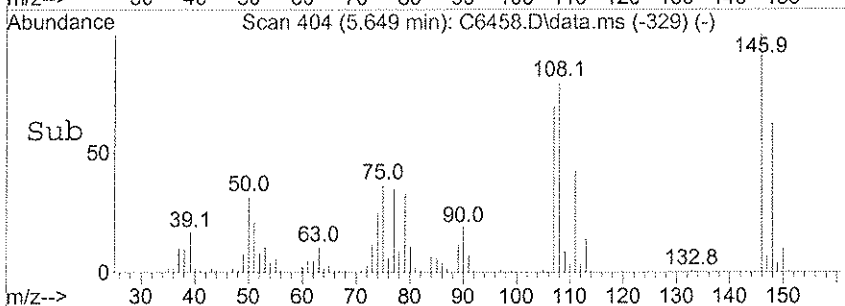
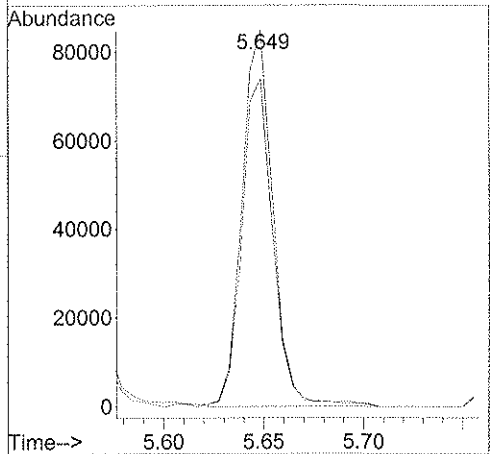
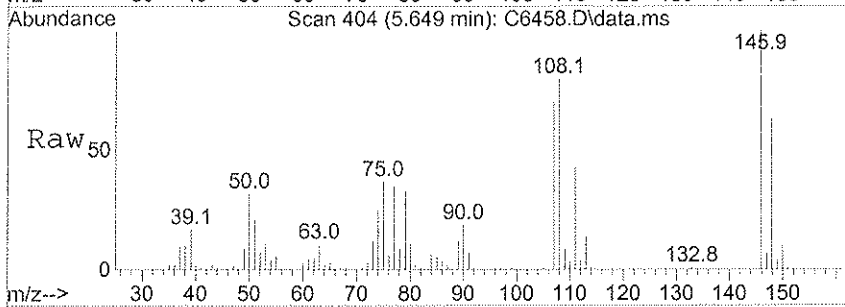






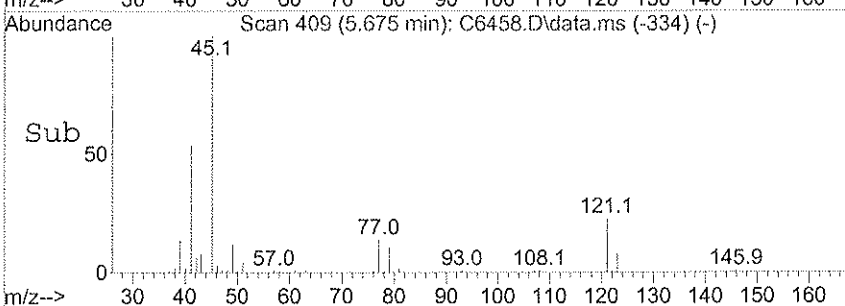
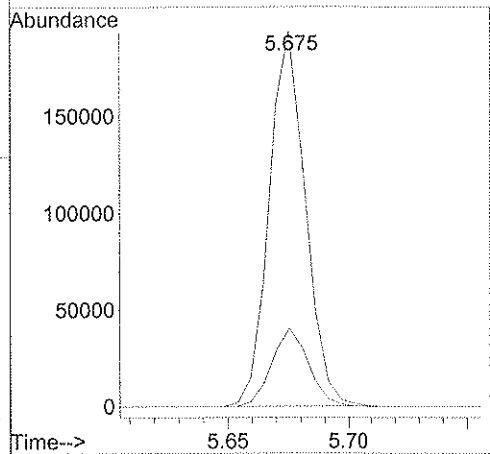
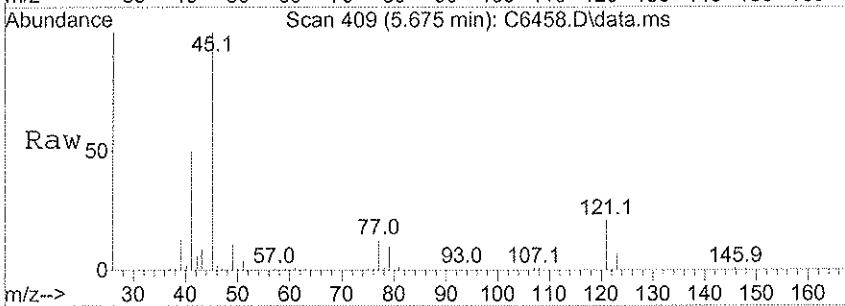
#14  
 2-Methylphenol  
 Concen: 13.62 ug/ml  
 RT: 5.649 min Scan# 404  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

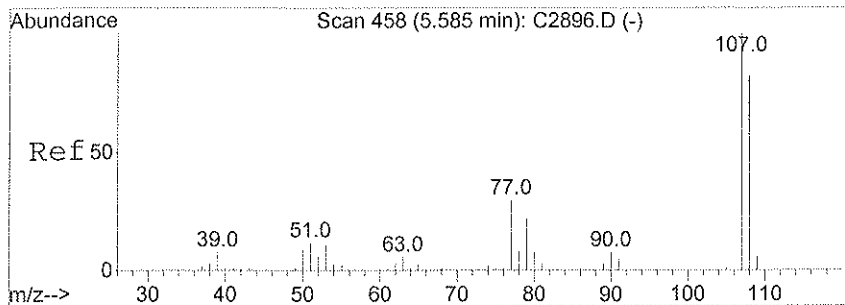
Tgt Ion	Resp	Lower	Upper
108	100		
107	87.1	71.8	107.8



#15  
 bis(2-Chloroisopropyl) ether  
 Concen: 16.85 ug/ml  
 RT: 5.675 min Scan# 409  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

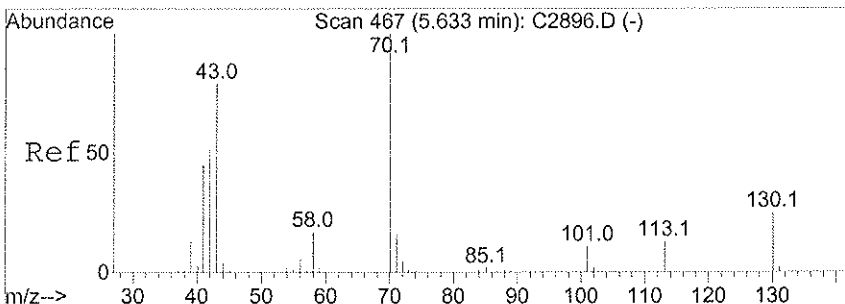
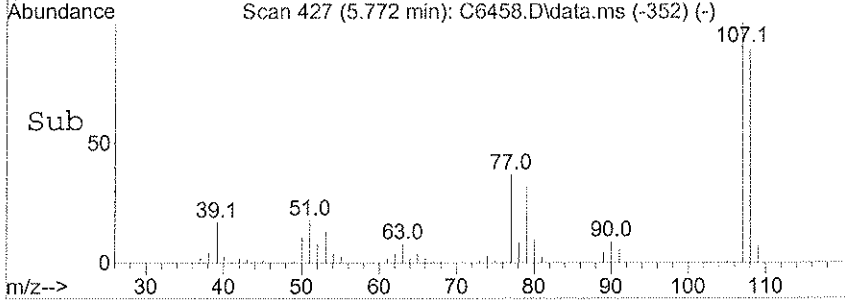
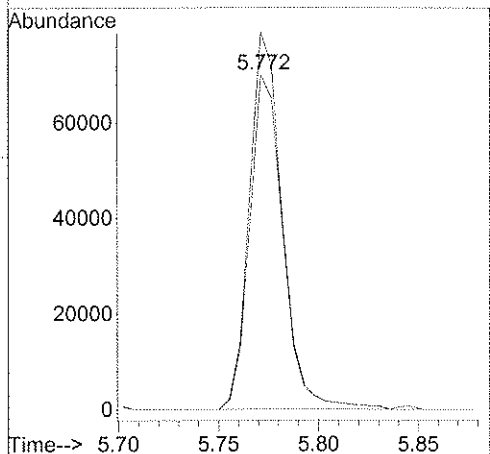
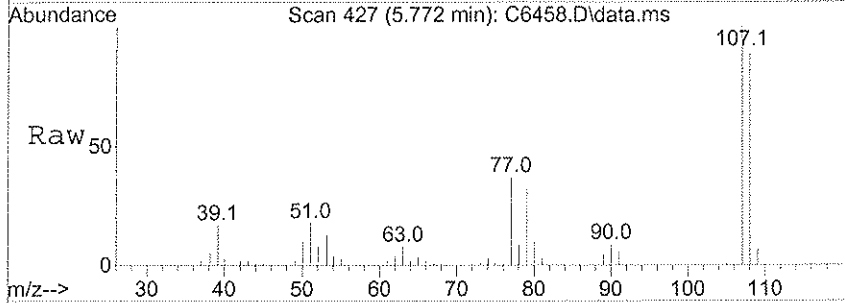
Tgt Ion	Resp	Lower	Upper
45	100		
121	20.9	12.4	29.0





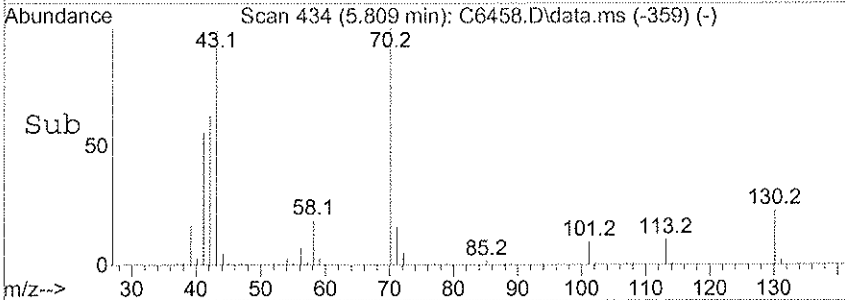
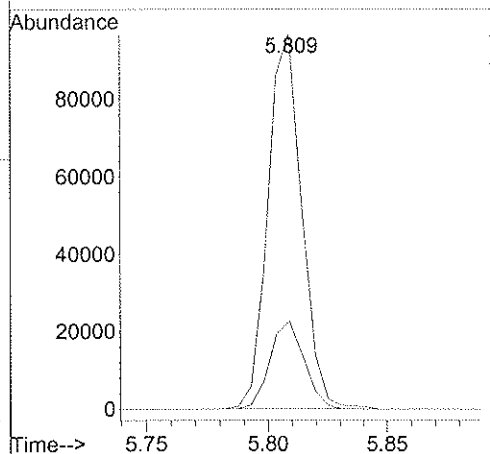
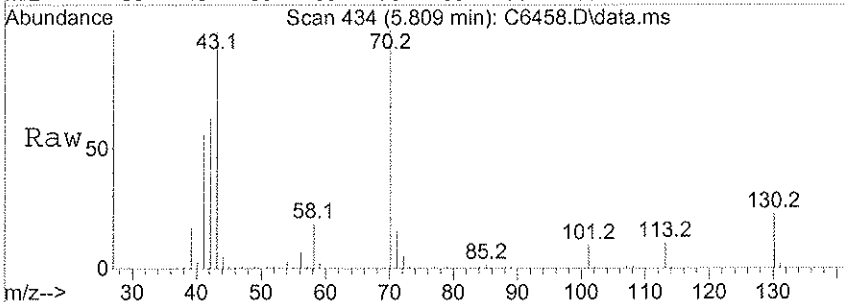
#16  
 4-Methylphenol  
 Concen: 11.94 ug/ml  
 RT: 5.772 min Scan# 427  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

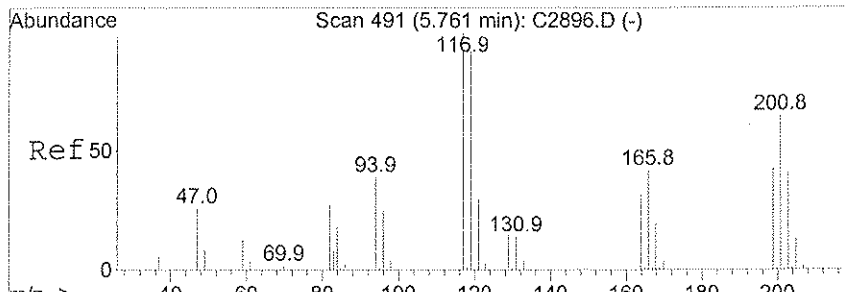
Tgt Ion	Resp	Lower	Upper
108	81840		
107	112.7	101.8	152.6



#17  
 N-Nitrosodi-n-propylamine  
 Concen: 17.00 ug/ml  
 RT: 5.809 min Scan# 434  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

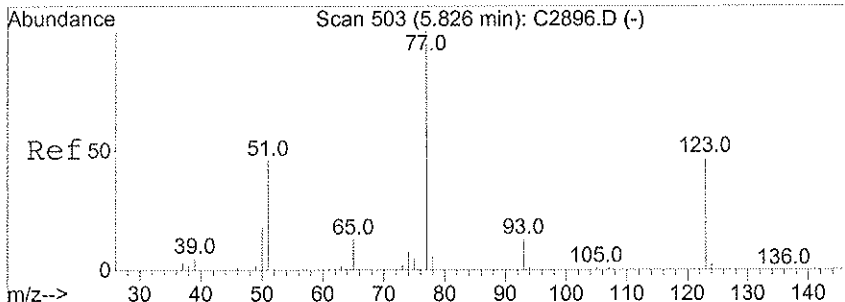
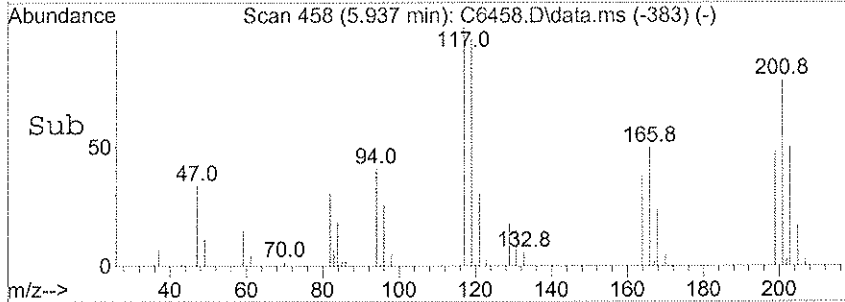
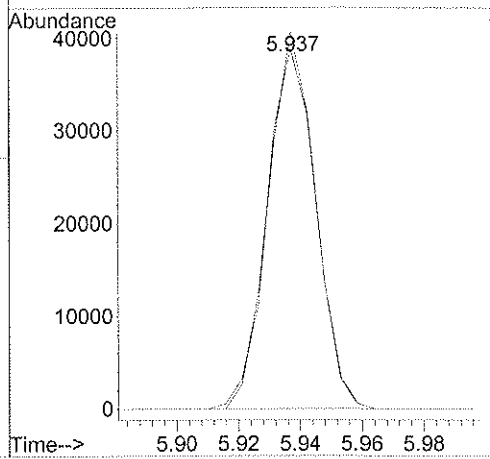
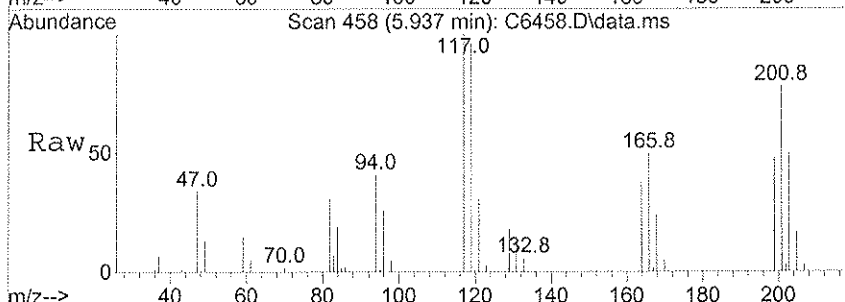
Tgt Ion	Resp	Lower	Upper
70	94572		
130	23.3	19.0	28.4





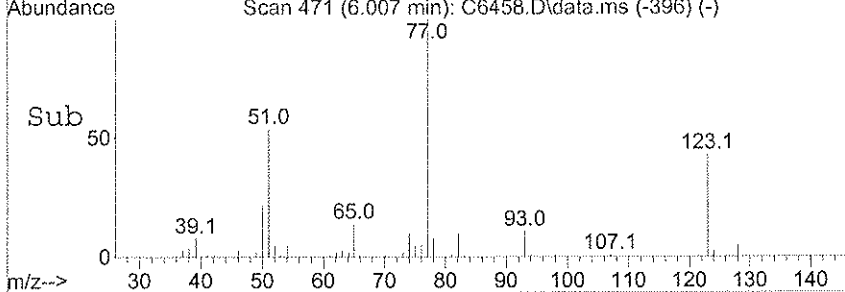
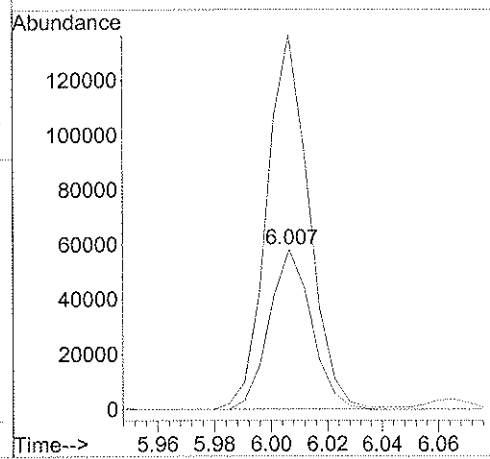
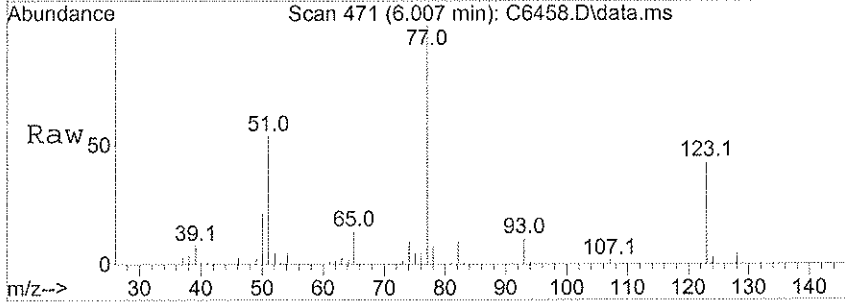
#18  
 Hexachloroethane  
 Concen: 14.87 ug/ml  
 RT: 5.937 min Scan# 458  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

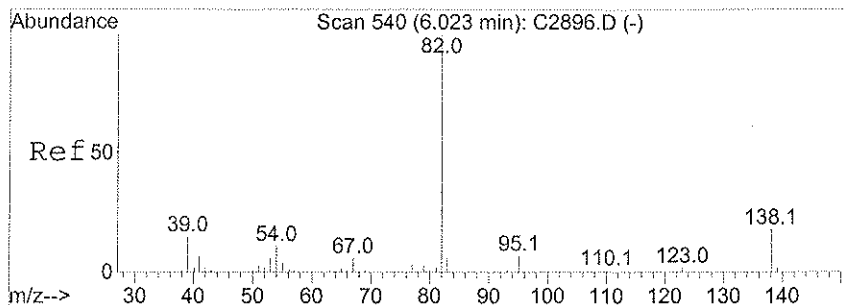
Tgt Ion:117 Resp: 43324  
 Ion Ratio Lower Upper  
 117 100  
 119 95.7 74.5 111.7



#21  
 Nitrobenzene  
 Concen: 16.68 ug/ml  
 RT: 6.007 min Scan# 471  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

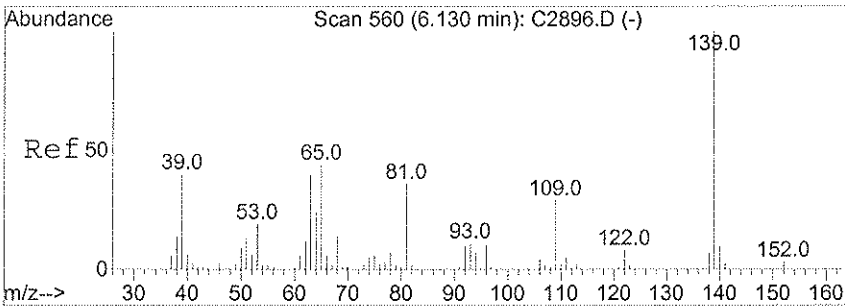
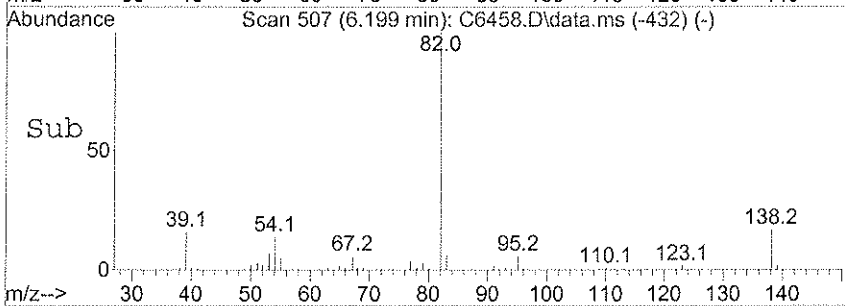
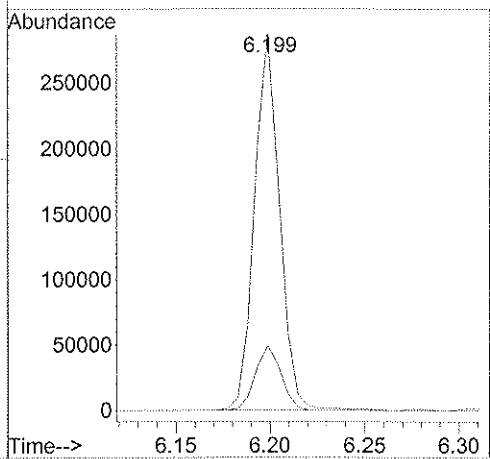
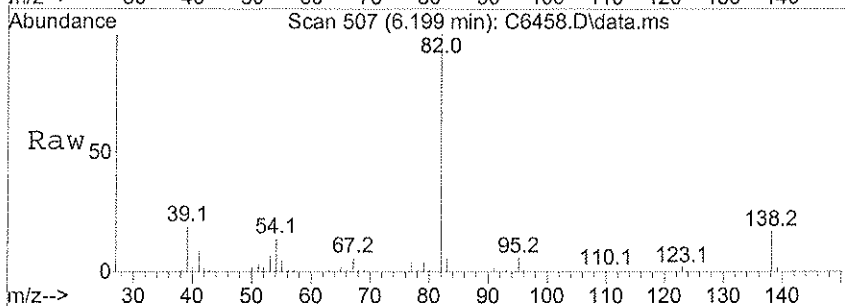
Tgt Ion:123 Resp: 60304  
 Ion Ratio Lower Upper  
 123 100  
 77 235.0 187.1 280.7





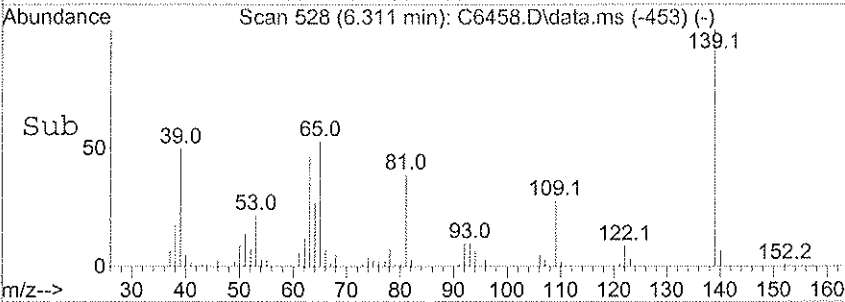
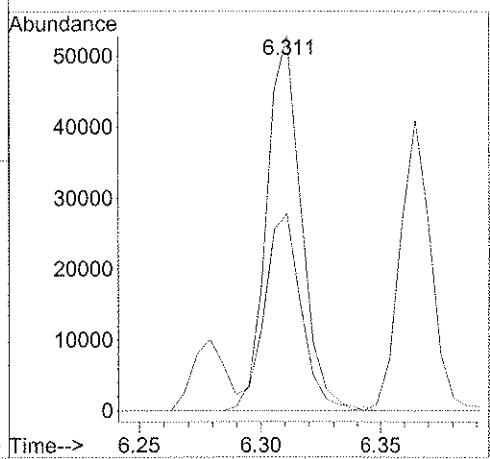
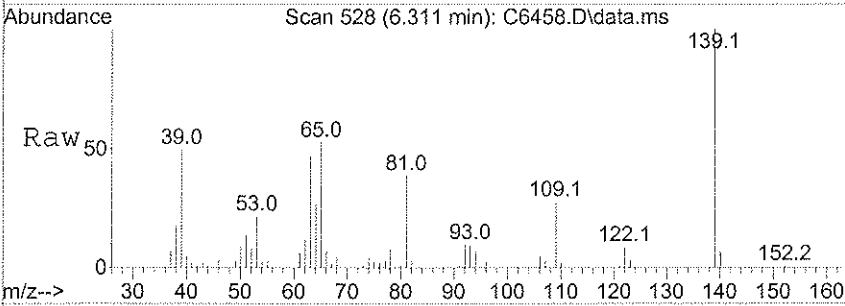
#22  
 Isophorone  
 Concen: 21.11 ug/ml  
 RT: 6.199 min Scan# 507  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

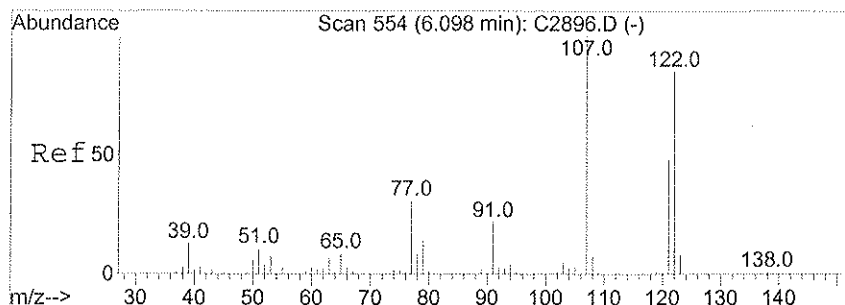
Tgt Ion: 82 Resp: 265920  
 Ion Ratio Lower Upper  
 82 100  
 138 17.1 14.0 21.0



#23  
 2-Nitrophenol  
 Concen: 15.26 ug/ml  
 RT: 6.311 min Scan# 528  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

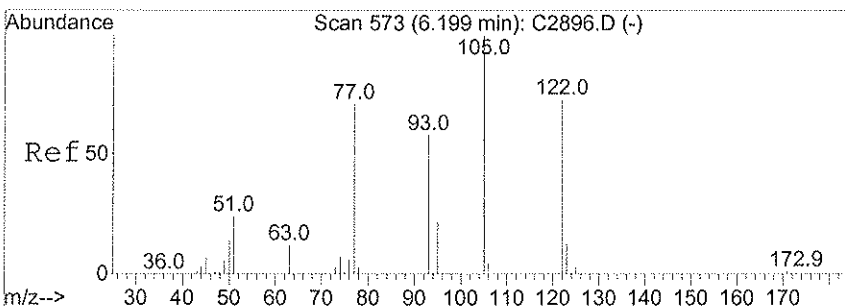
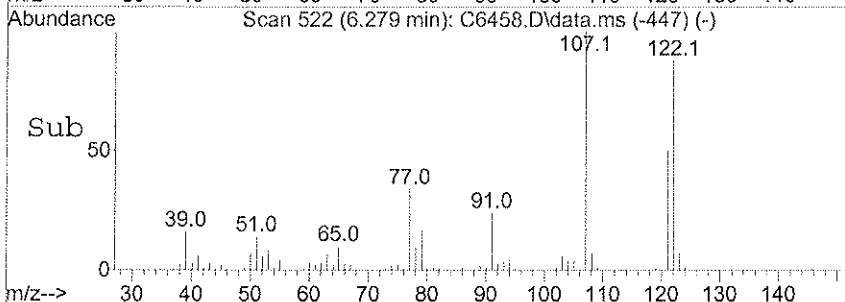
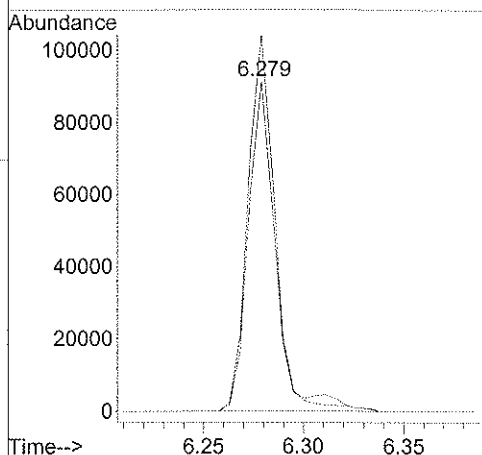
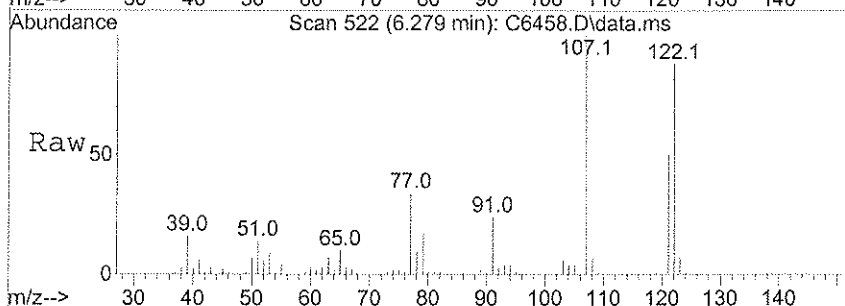
Tgt Ion: 139 Resp: 52788  
 Ion Ratio Lower Upper  
 139 100  
 65 52.6 44.7 67.1





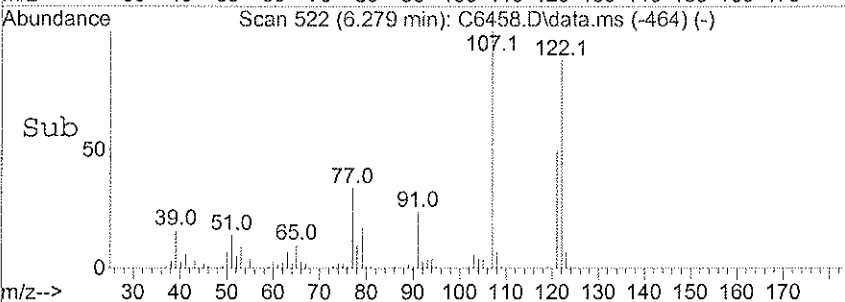
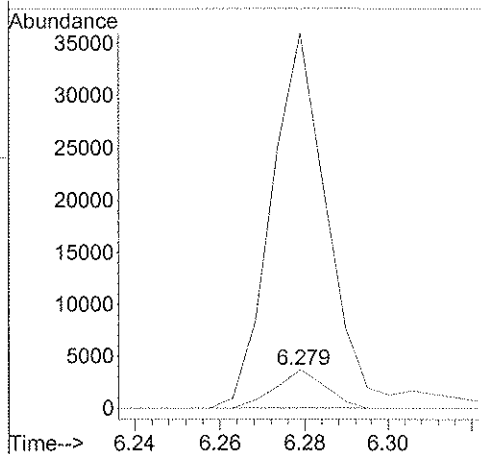
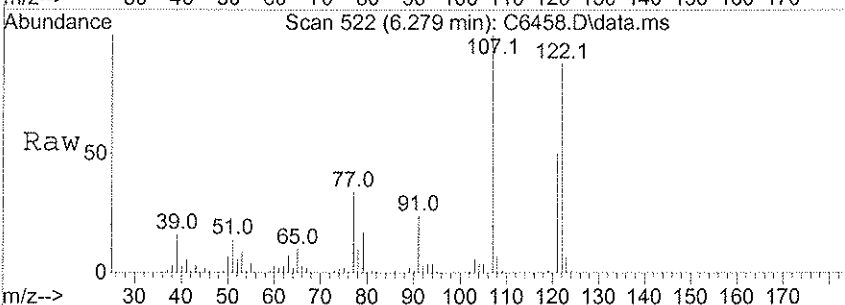
#24  
 2,4-Dimethylphenol  
 Concen: 12.26 ug/ml  
 RT: 6.279 min Scan# 522  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

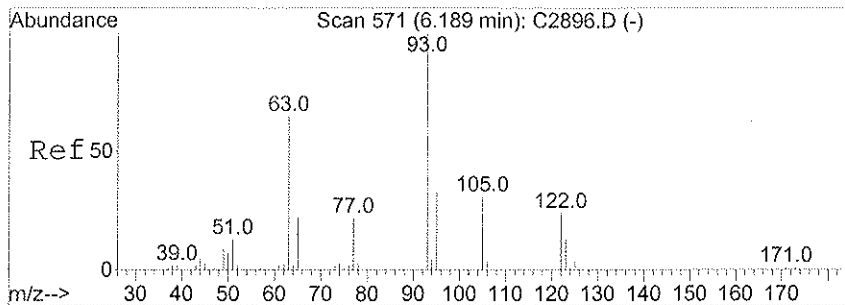
Tgt Ion	Resp	Lower	Upper
122	87198		
107	114.1	96.6	145.0



#25  
 Benzoic acid  
 Concen: 29.64 ug/ml  
 RT: 6.279 min Scan# 522  
 Delta R.T. -0.090 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

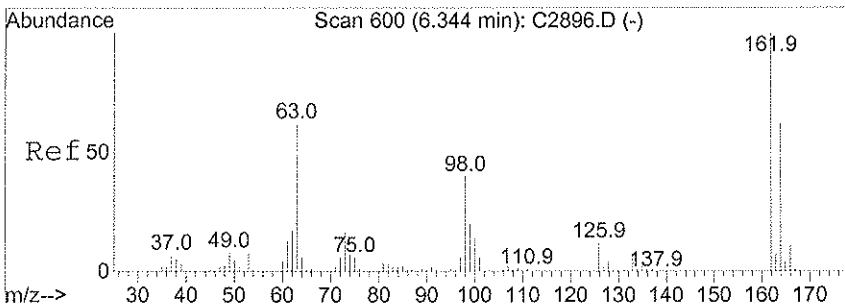
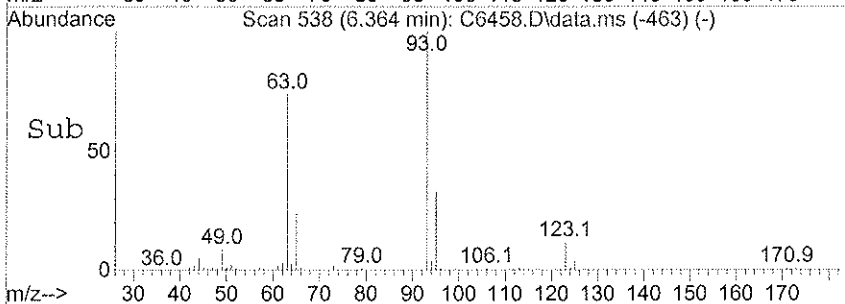
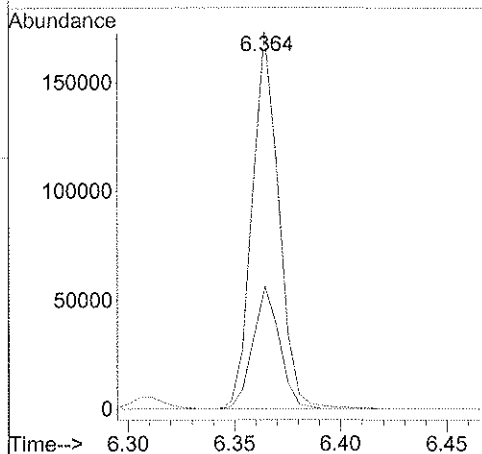
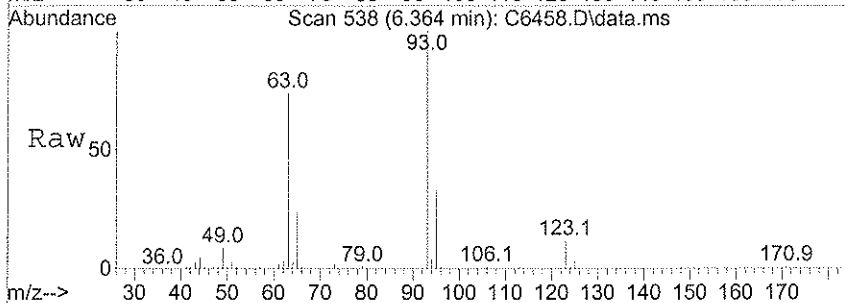
Tgt Ion	Resp	Lower	Upper
105	2989		
77	973.3	67.0	100.6#





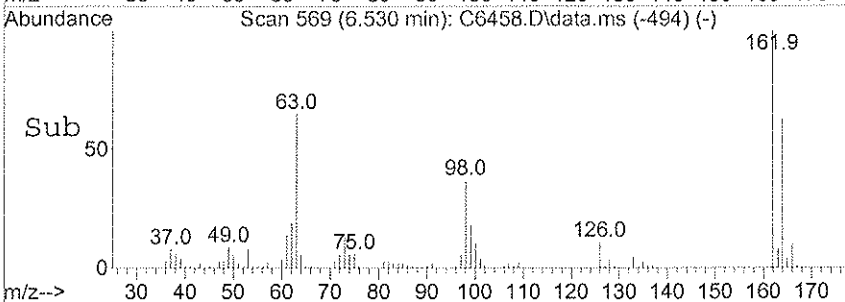
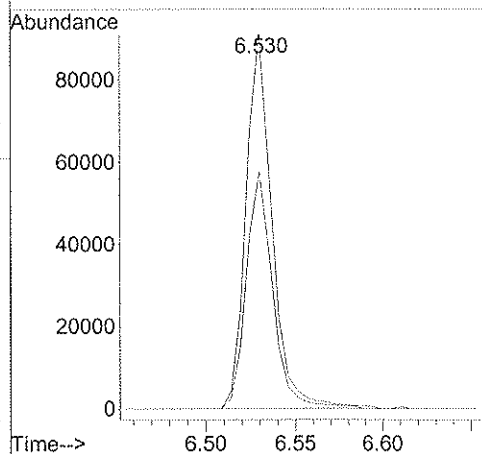
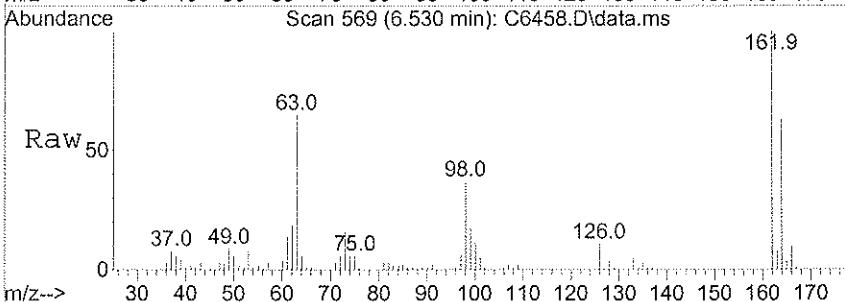
#26  
 bis(2-Chloroethoxy)methane  
 Concen: 16.81 ug/ml  
 RT: 6.364 min Scan# 538  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

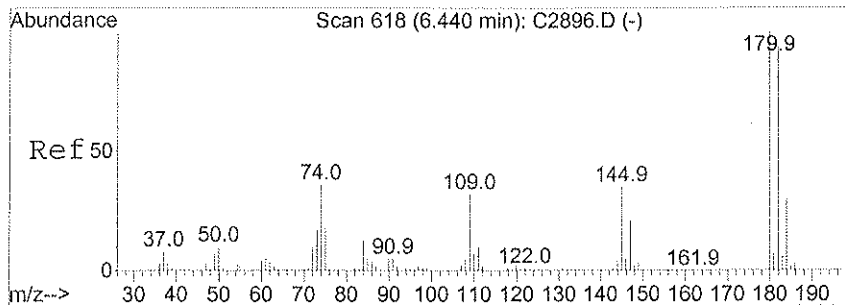
Tgt Ion	Resp	Lower	Upper
93	150813		
95	32.6	26.3	39.5



#27  
 2,4-Dichlorophenol  
 Concen: 16.11 ug/ml  
 RT: 6.530 min Scan# 569  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

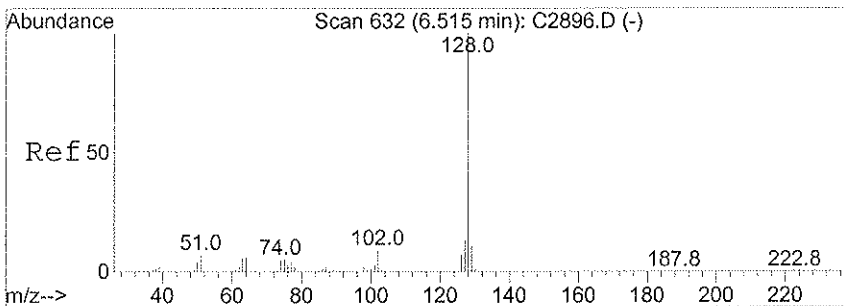
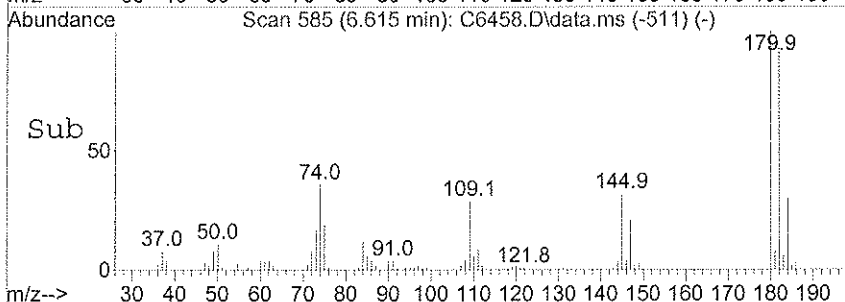
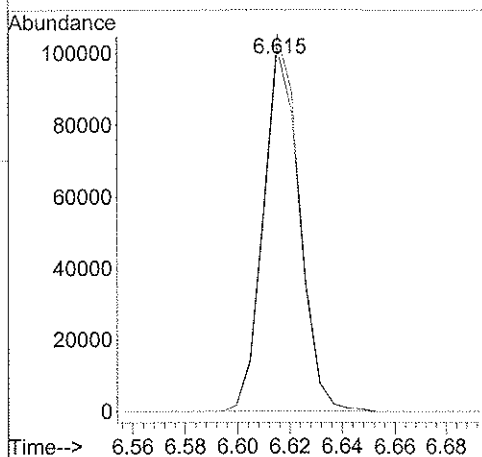
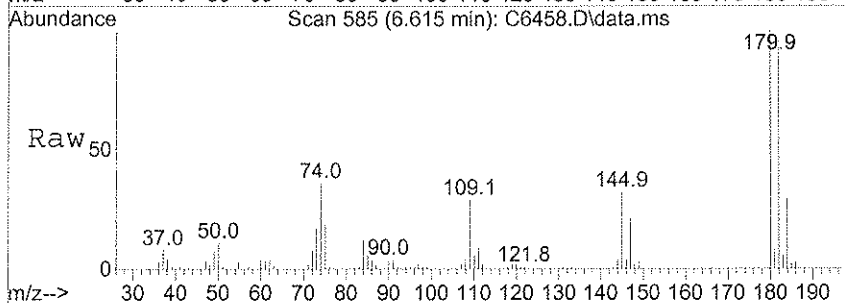
Tgt Ion	Resp	Lower	Upper
162	92483		
164	63.4	52.6	78.8





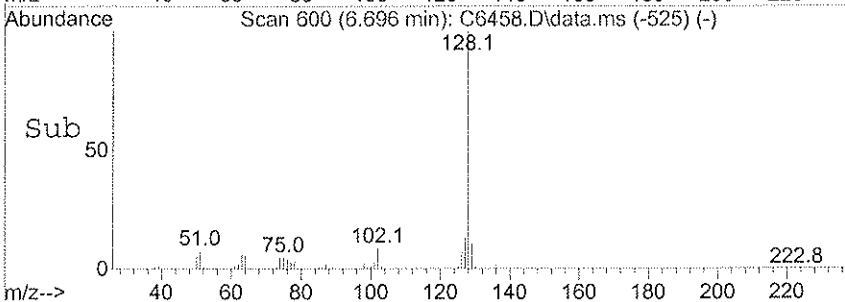
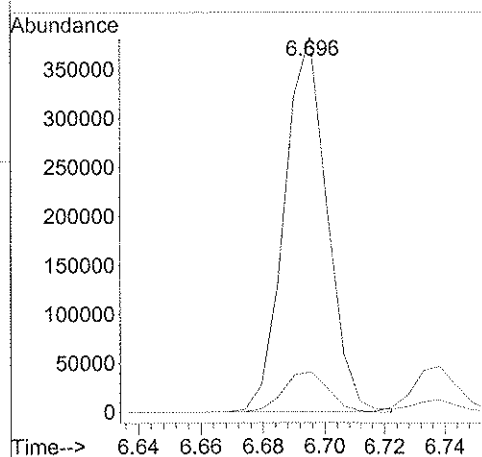
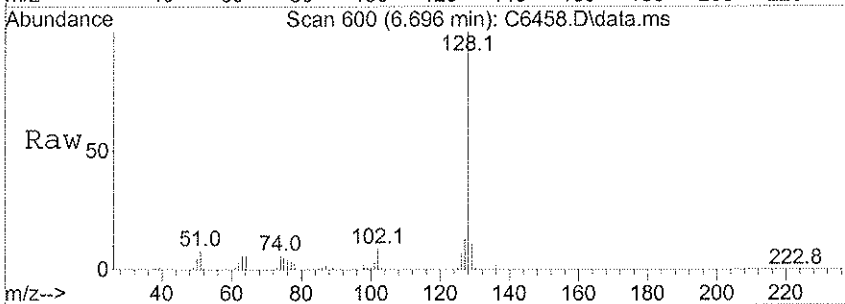
#28  
 1,2,4-Trichlorobenzene  
 Concen: 16.04 ug/ml  
 RT: 6.615 min Scan# 585  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

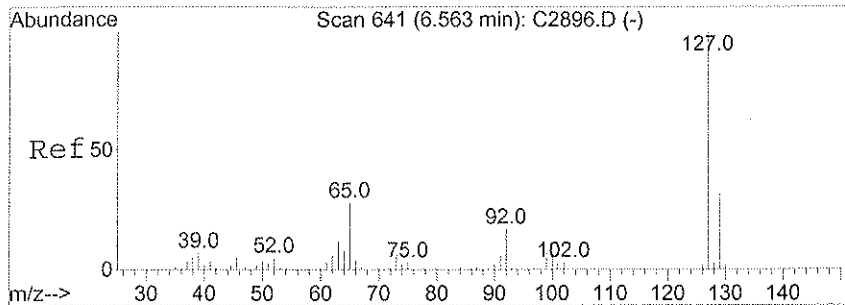
Tgt Ion	Resp	Lower	Upper
180	101485		
180	100		
182	96.4	78.3	117.5



#29  
 Naphthalene  
 Concen: 17.22 ug/ml  
 RT: 6.696 min Scan# 600  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

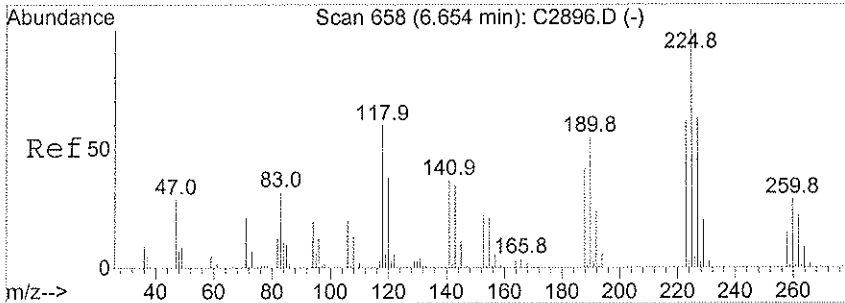
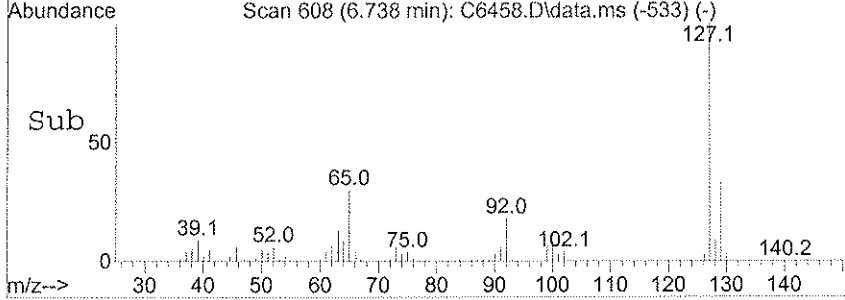
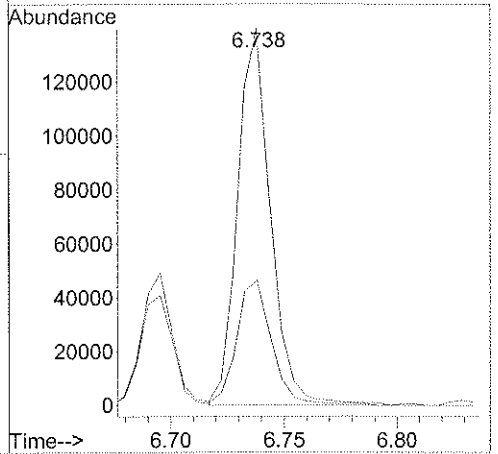
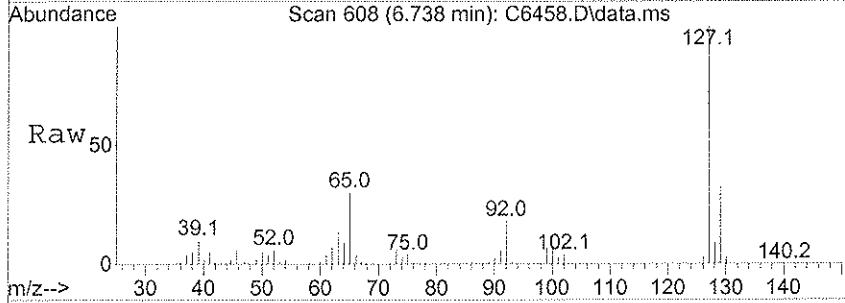
Tgt Ion	Resp	Lower	Upper
128	369026		
128	100		
129	10.7	8.6	13.0





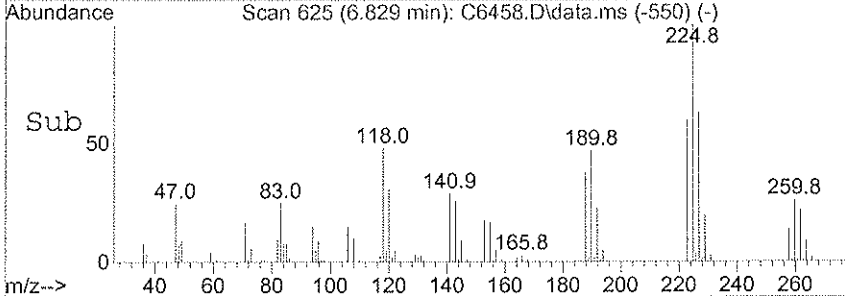
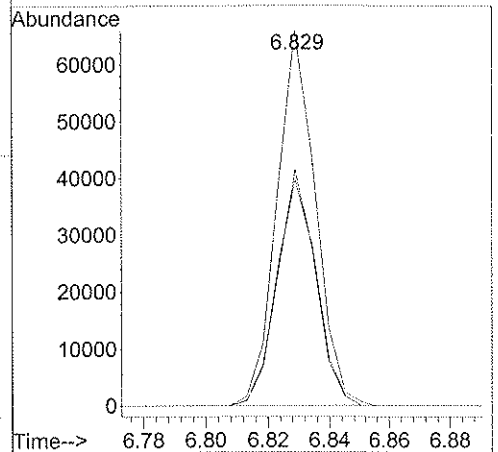
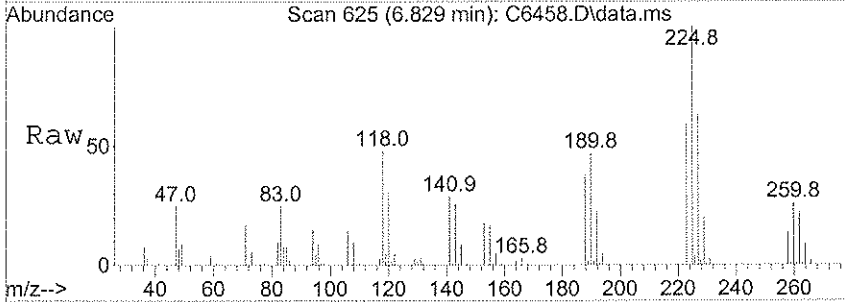
#30  
 4-Chloroaniline  
 Concen: 17.75 ug/ml  
 RT: 6.738 min Scan# 608  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
127	141338		
127	100		
129	33.2	27.1	40.7

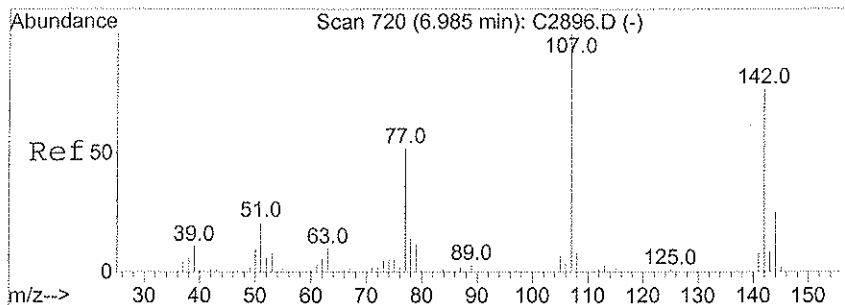


#31  
 Hexachlorobutadiene  
 Concen: 15.51 ug/ml  
 RT: 6.829 min Scan# 625  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
225	57440		
225	100		
223	60.2	51.2	76.8
227	62.9	50.6	76.0

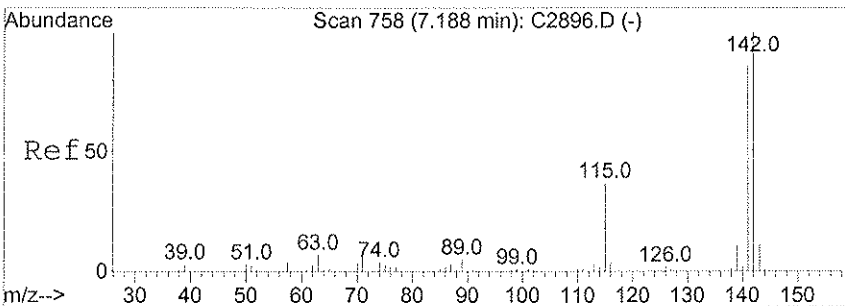
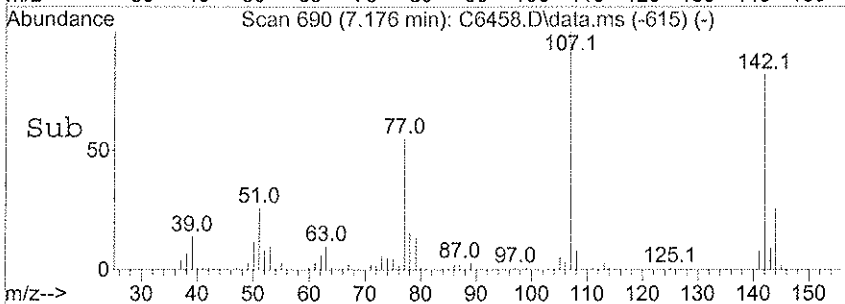
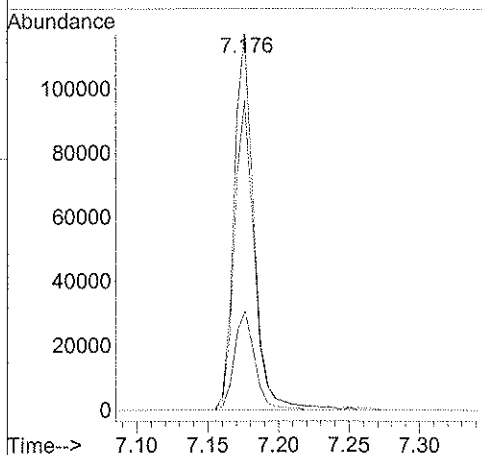
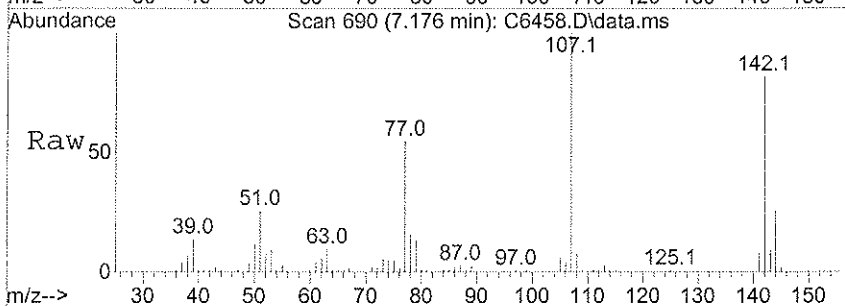






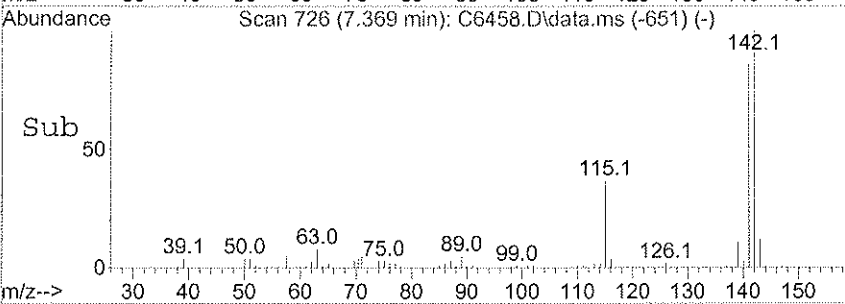
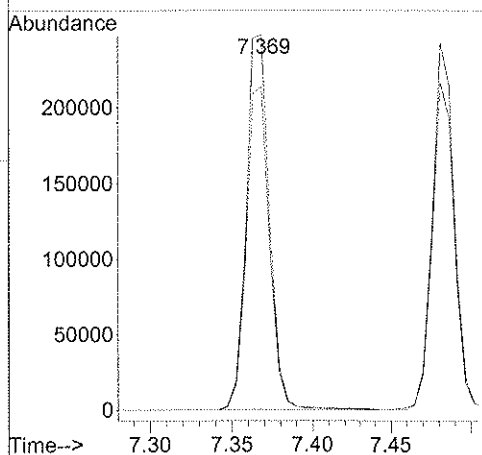
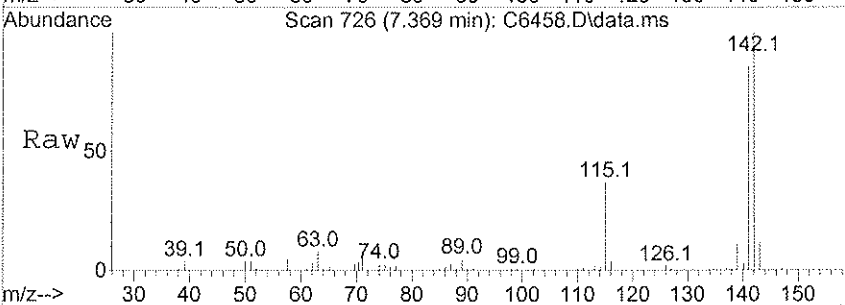
#32  
 4-Chloro-3-methylphenol  
 Concen: 18.11 ug/ml  
 RT: 7.176 min Scan# 690  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

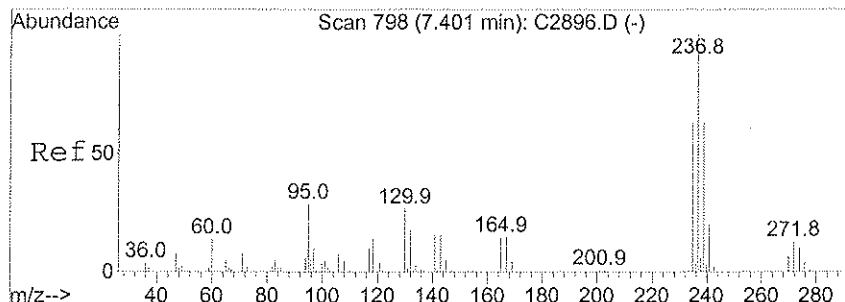
Tgt Ion	Resp	Lower	Upper
107	116333		
142	82.3	65.0	97.4
144	26.2	20.4	30.6



#33  
 2-Methylnaphthalene  
 Concen: 16.96 ug/ml  
 RT: 7.369 min Scan# 726  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

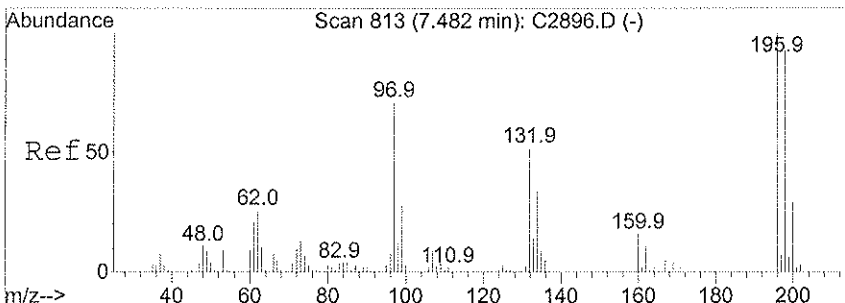
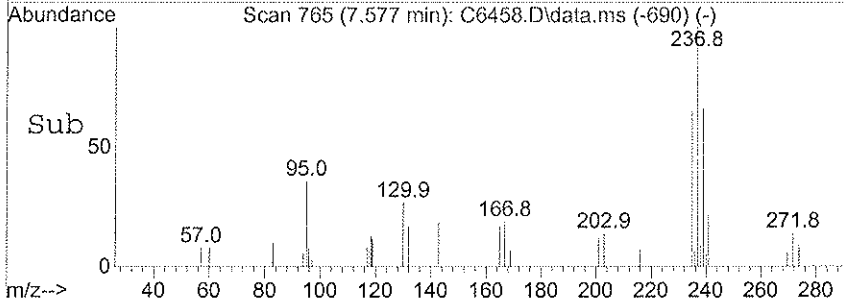
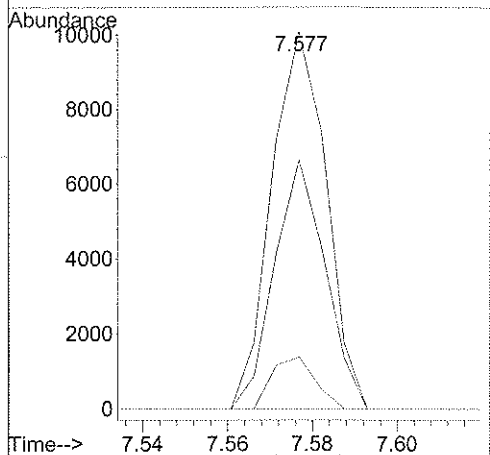
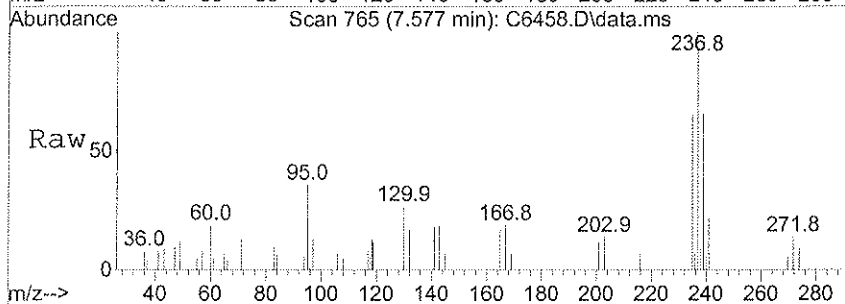
Tgt Ion	Resp	Lower	Upper
142	250003		
141	86.2	69.7	104.5





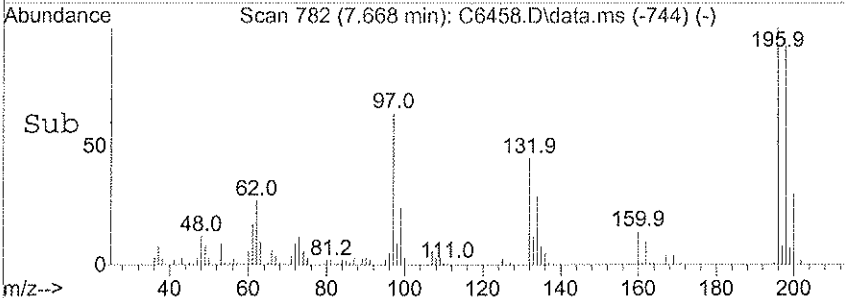
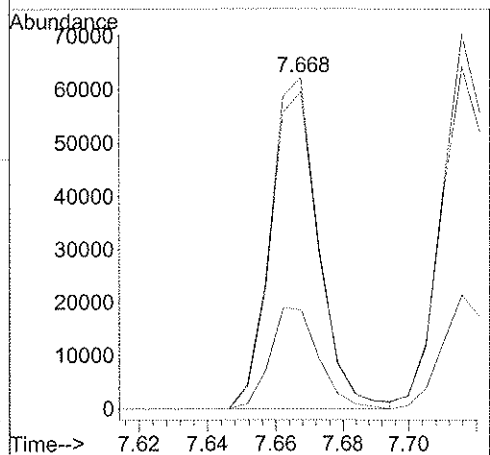
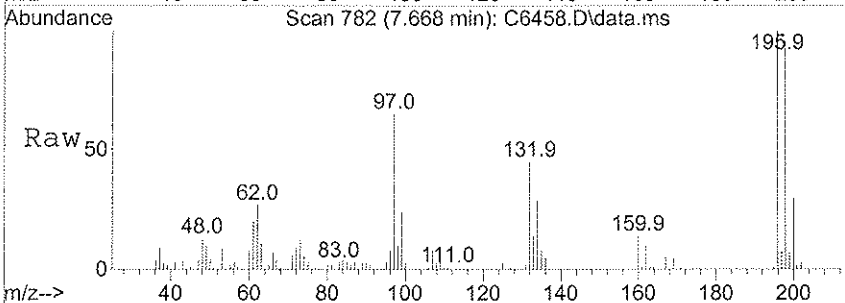
#35  
 Hexachlorocyclopentadiene  
 Concen: 15.28 ug/ml  
 RT: 7.577 min Scan# 765  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

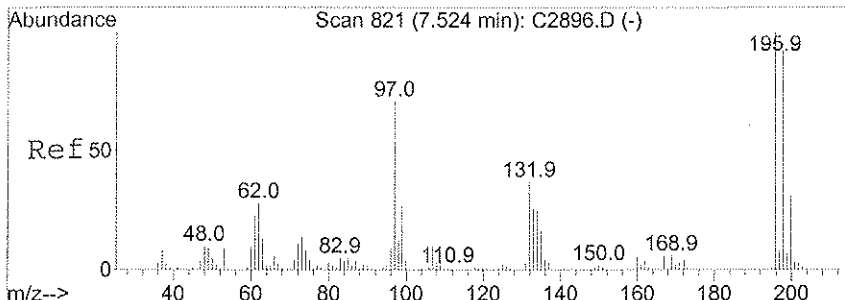
Tgt Ion	Resp	Lower	Upper
237	100		
239	65.9	50.9	76.3
272	13.6	9.7	14.5



#36  
 2,4,6-Trichlorophenol  
 Concen: 16.85 ug/ml  
 RT: 7.668 min Scan# 782  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

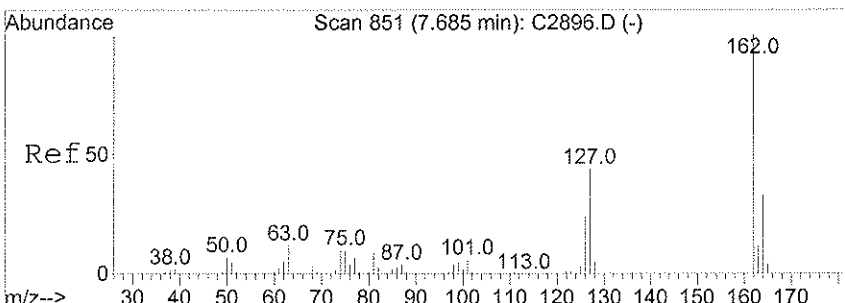
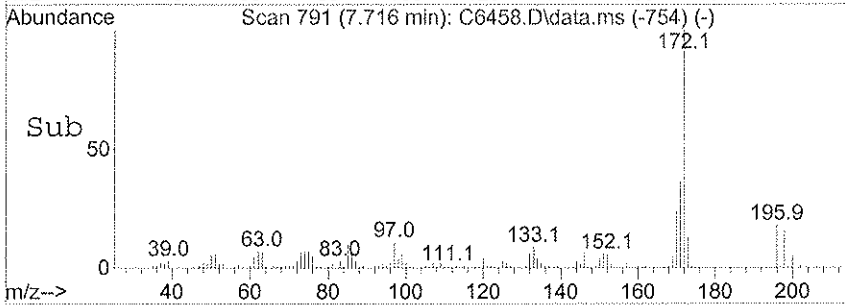
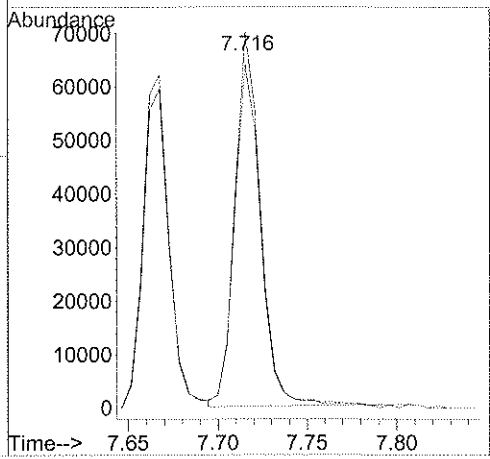
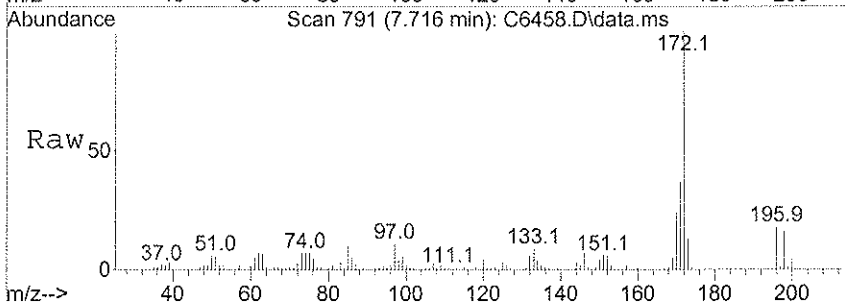
Tgt Ion	Resp	Lower	Upper
196	100		
198	95.7	78.6	118.0
200	29.7	24.3	36.5





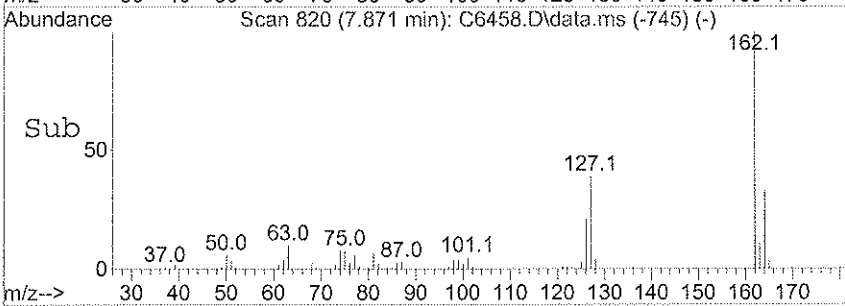
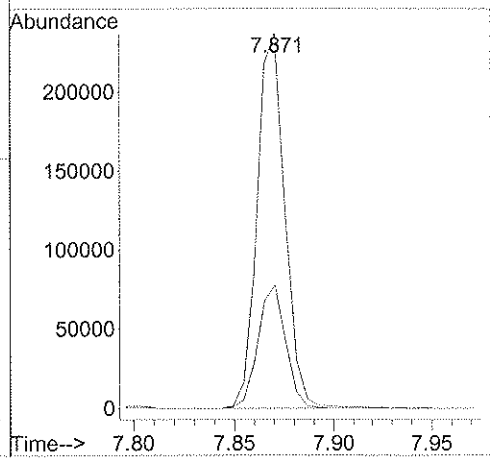
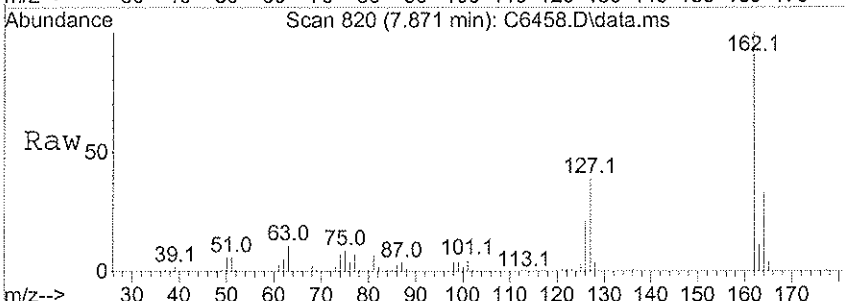
#37  
 2,4,5-Trichlorophenol  
 Concen: 18.44 ug/ml  
 RT: 7.716 min Scan# 791  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

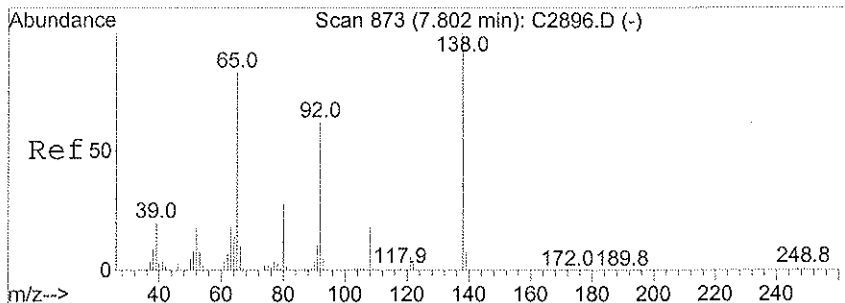
Tgt Ion	Resp	Lower	Upper
196	70354		
198	91.3	79.1	118.7



#39  
 2-Chloronaphthalene  
 Concen: 17.38 ug/ml  
 RT: 7.871 min Scan# 820  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

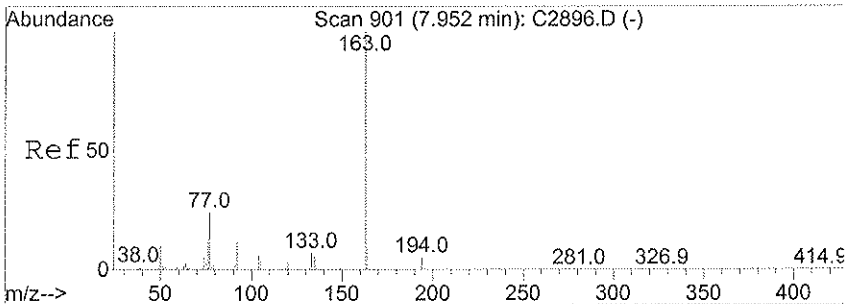
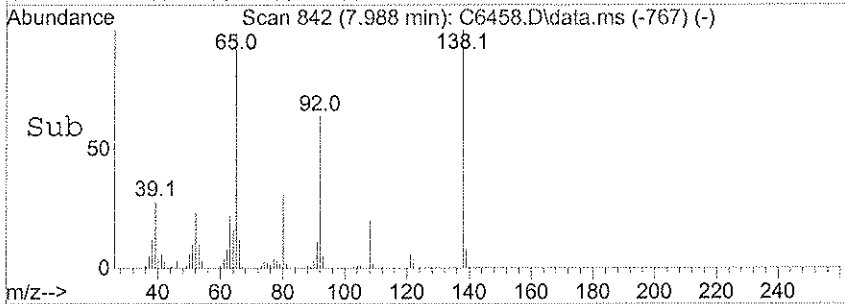
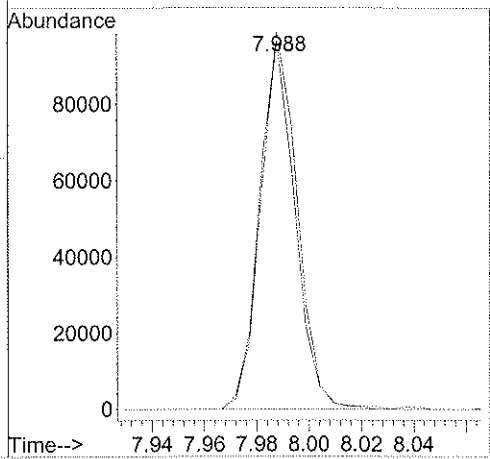
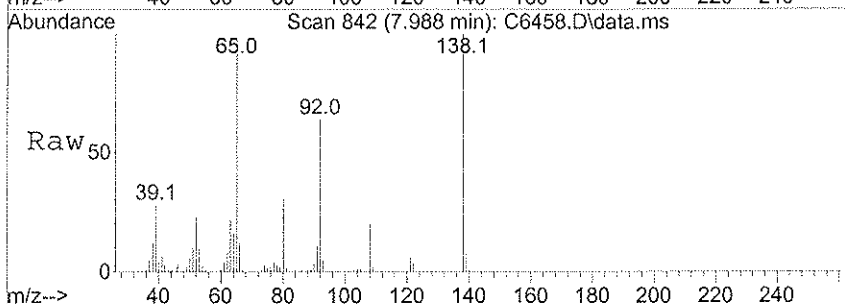
Tgt Ion	Resp	Lower	Upper
162	230748		
164	32.7	25.4	38.2





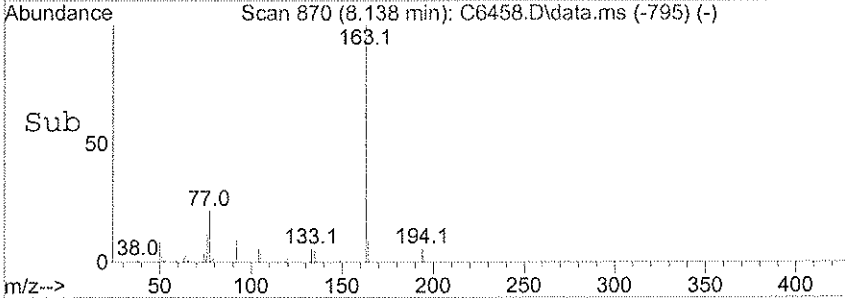
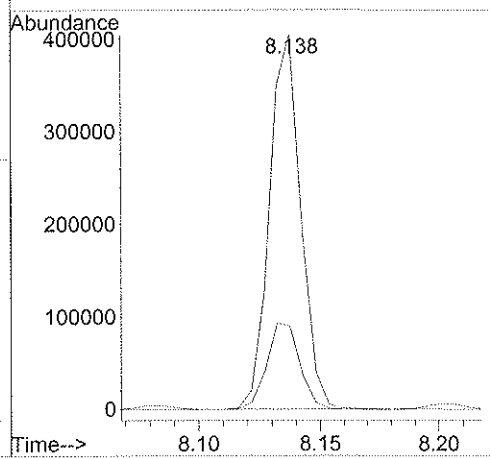
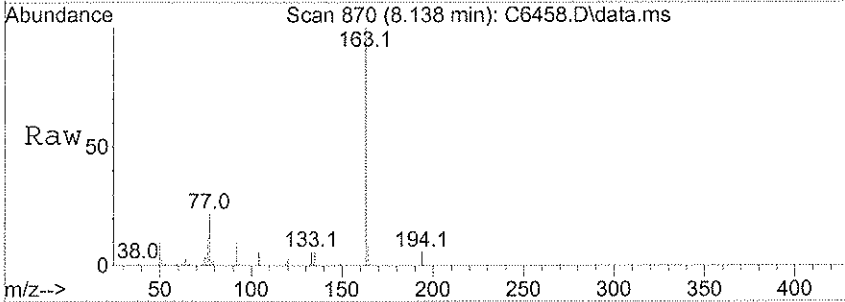
#40  
 2-Nitroaniline  
 Concen: 22.97 ug/ml  
 RT: 7.988 min Scan# 842  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

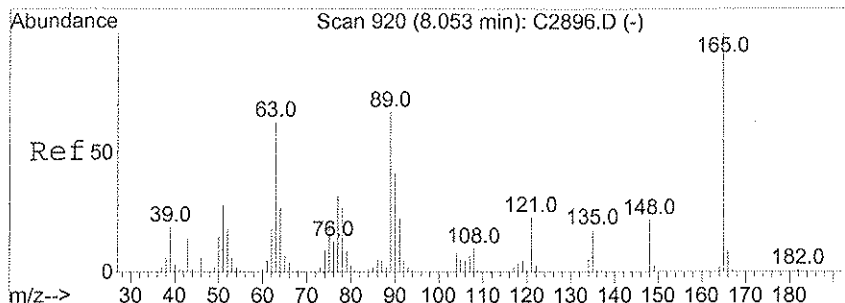
Tgt Ion	Resp	Lower	Upper
65	90905		
65	100		
138	102.5	80.8	121.2



#41  
 Dimethylphthalate  
 Concen: 24.01 ug/ml  
 RT: 8.138 min Scan# 870  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

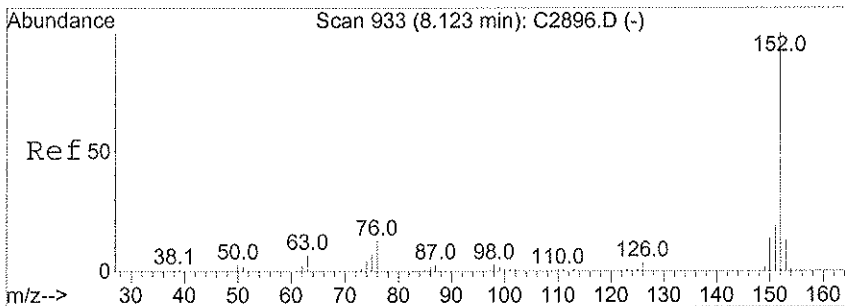
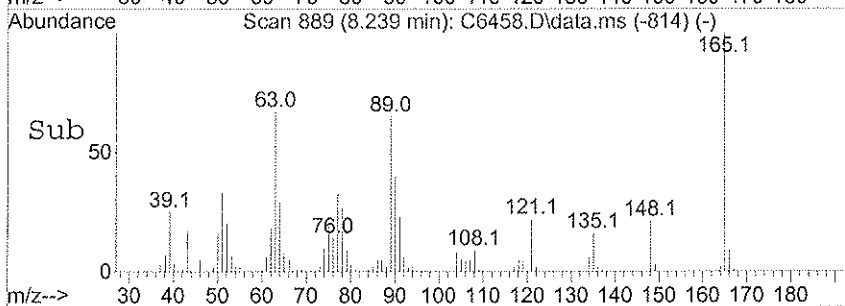
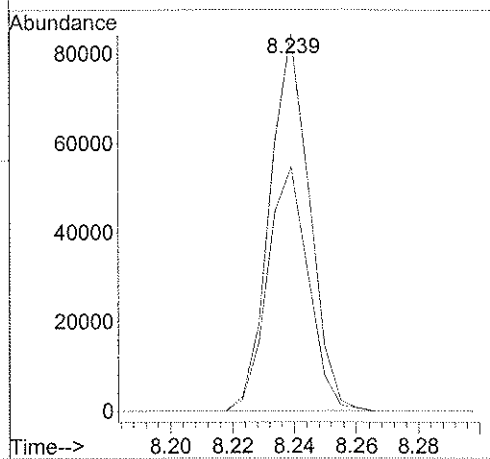
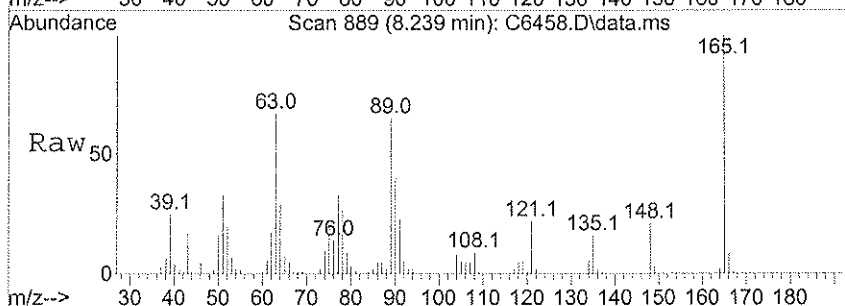
Tgt Ion	Resp	Lower	Upper
163	364641		
163	100		
77	22.1	18.8	28.2





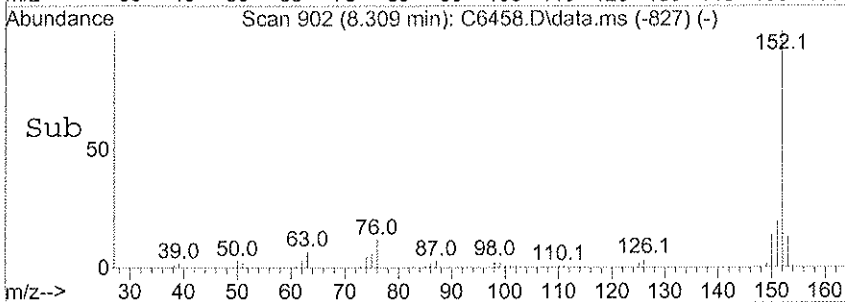
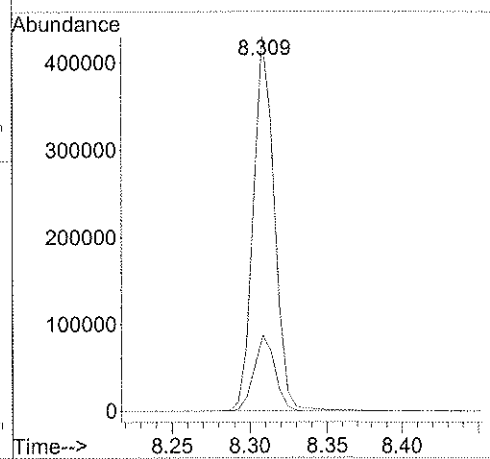
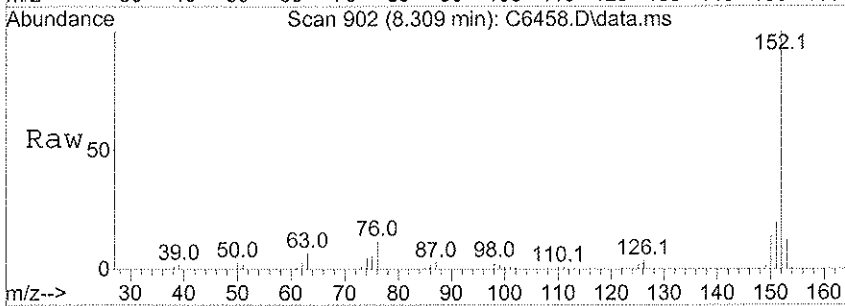
#42  
 2,6-Dinitrotoluene  
 Concen: 25.36 ug/ml  
 RT: 8.239 min Scan# 889  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

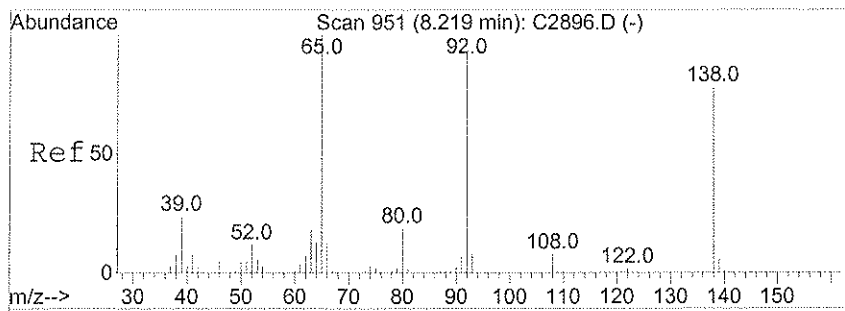
Tgt Ion	Resp	Lower	Upper
165	100		
89	64.9	55.6	83.4



#43  
 Acenaphthylene  
 Concen: 18.95 ug/ml  
 RT: 8.309 min Scan# 902  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

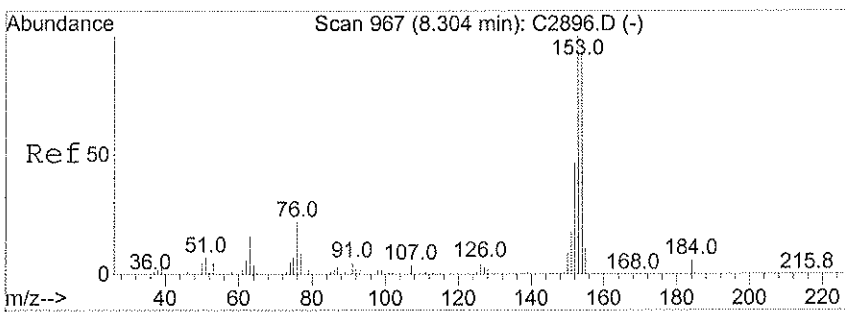
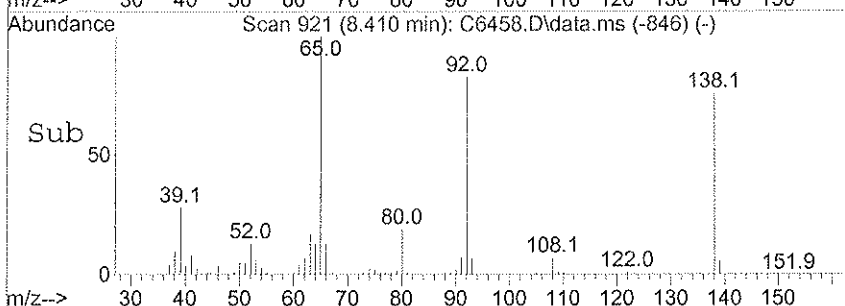
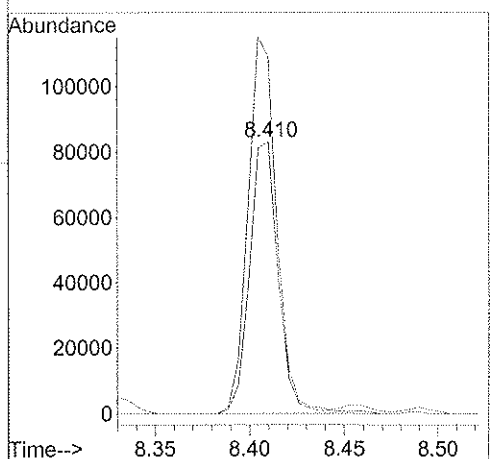
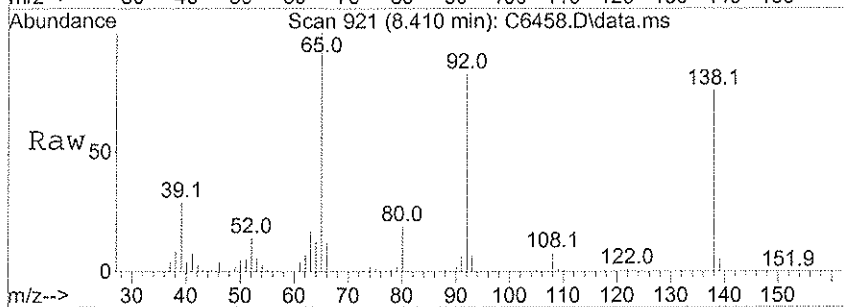
Tgt Ion	Resp	Lower	Upper
152	100		
151	20.2	16.3	24.5





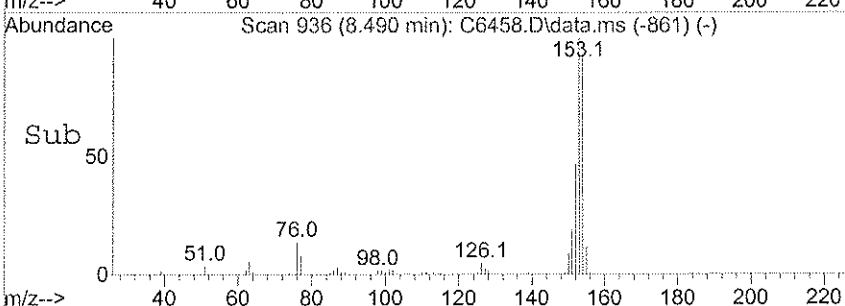
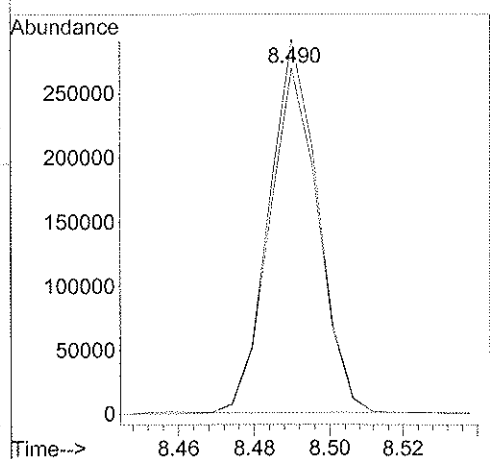
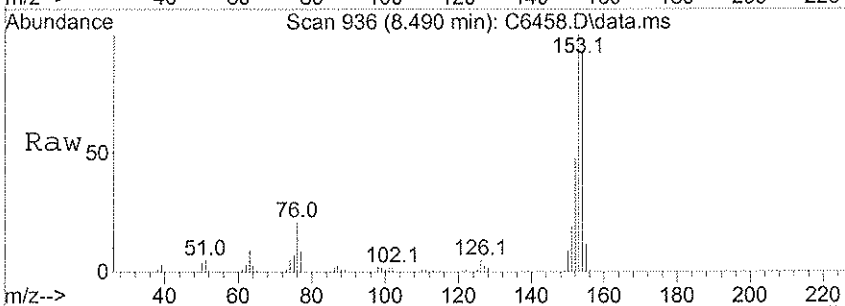
#44  
 3-Nitroaniline  
 Concen: 26.36 ug/ml  
 RT: 8.410 min Scan# 921  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

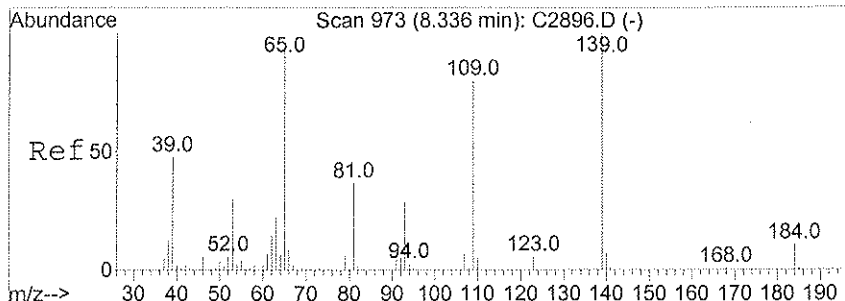
Tgt Ion	Resp	Lower	Upper
138	87245		
65	131.3	104.5	156.7



#45  
 Acenaphthene  
 Concen: 19.31 ug/ml  
 RT: 8.490 min Scan# 936  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

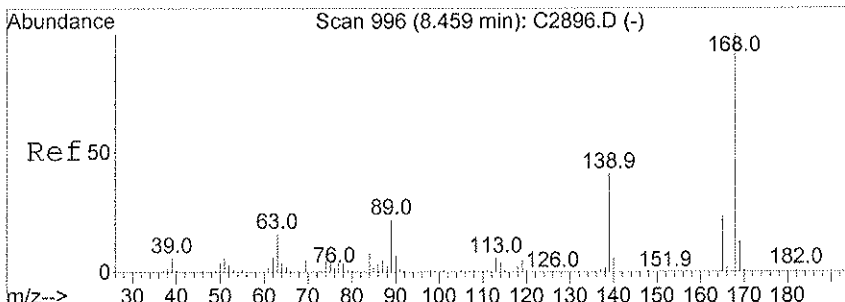
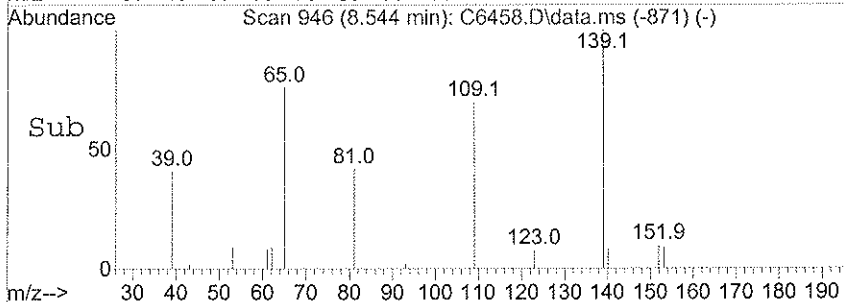
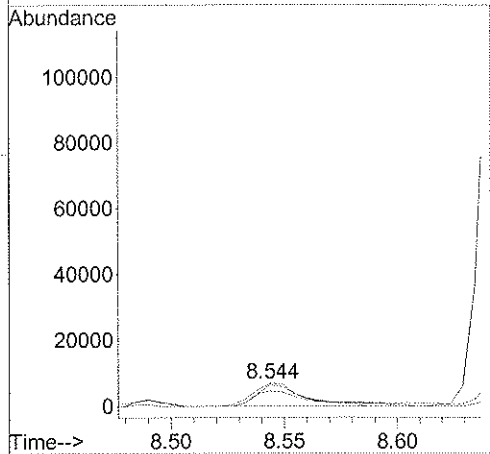
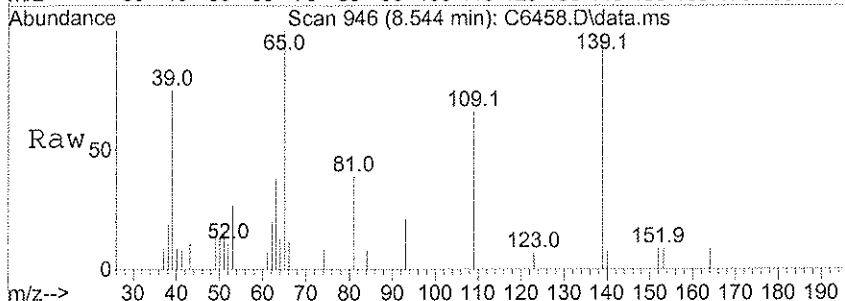
Tgt Ion	Resp	Lower	Upper
154	244279		
153	108.4	86.2	129.2





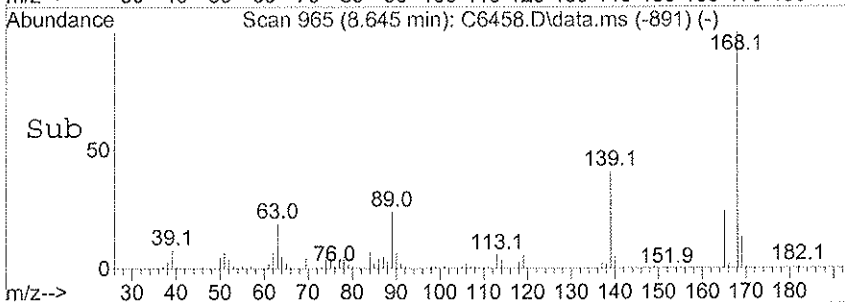
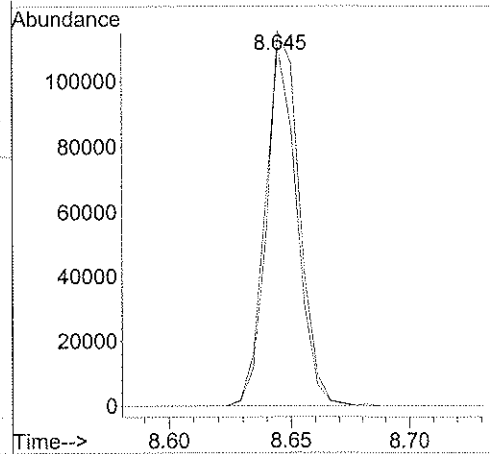
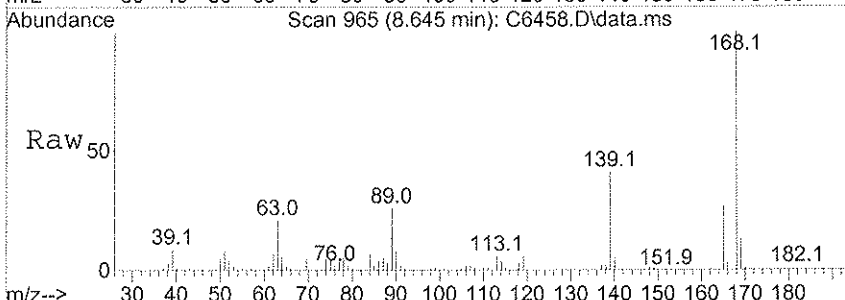
#47  
 4-Nitrophenol  
 Concen: 6.27 ug/ml  
 RT: 8.544 min Scan# 946  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

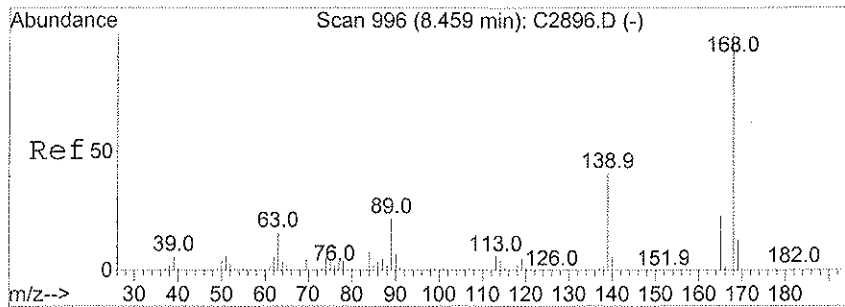
Tgt Ion	Resp	Lower	Upper
65	11557		
139	94.2	76.4	114.6
109	66.2	58.4	87.6



#48  
 2,4-Dinitrotoluene  
 Concen: 26.84 ug/ml  
 RT: 8.645 min Scan# 965  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

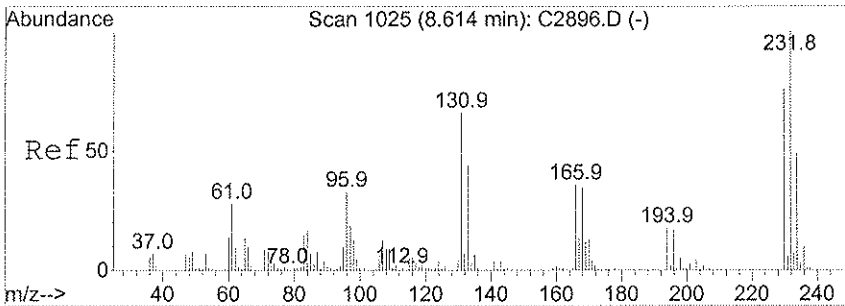
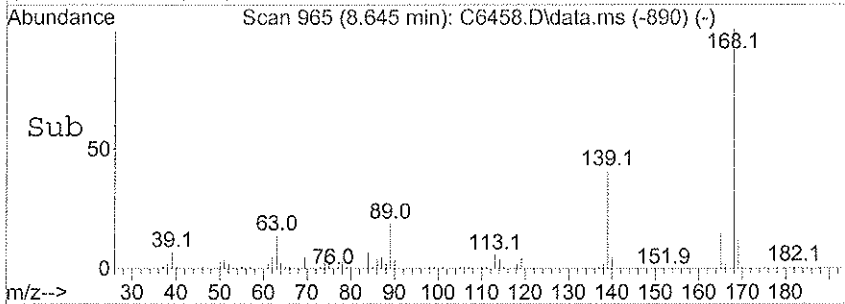
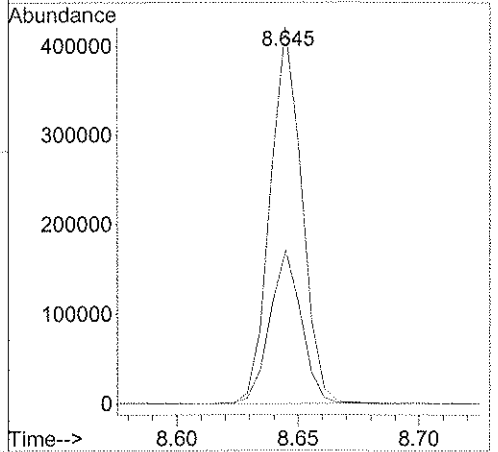
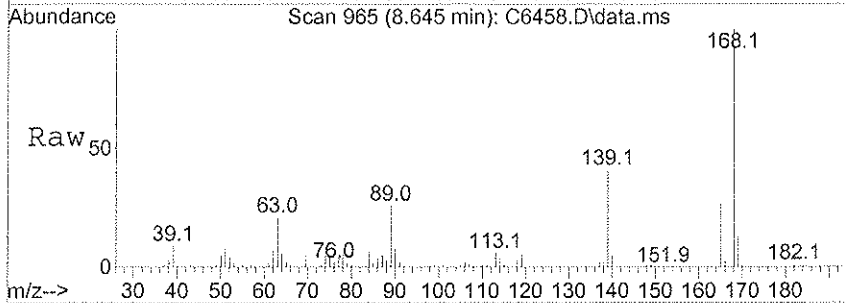
Tgt Ion	Resp	Lower	Upper
165	108697		
165	100		
89	95.9	71.5	107.3





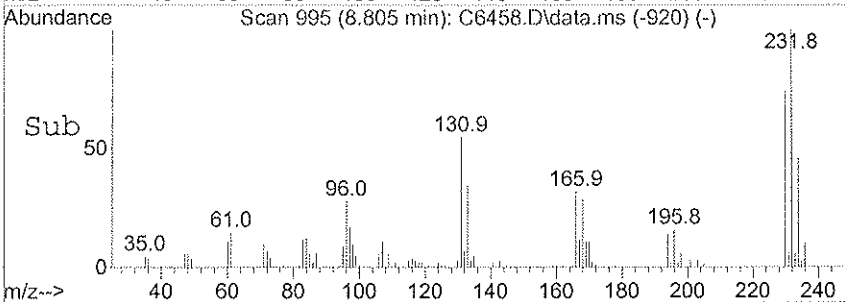
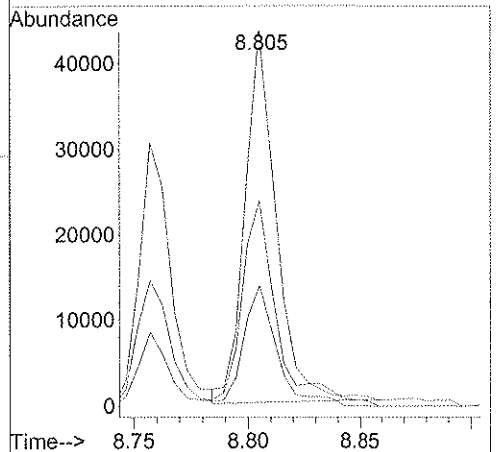
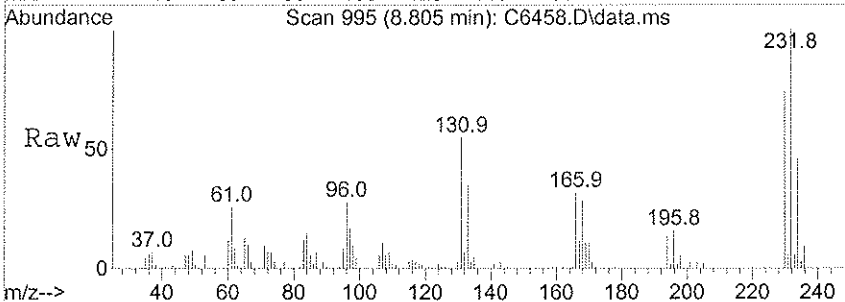
#49  
 Dibenzofuran  
 Concen: 20.43 ug/ml  
 RT: 8.645 min Scan# 965  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
168	100		
139	40.7	33.4	50.0

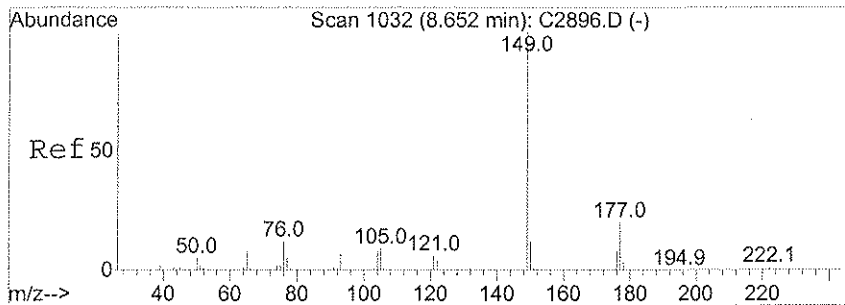


#50  
 2,3,4,6-Tetrachlorophenol  
 Concen: 22.75 ug/ml  
 RT: 8.805 min Scan# 995  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
232	100		
131	54.8	46.5	69.7
166	32.0	25.4	38.0

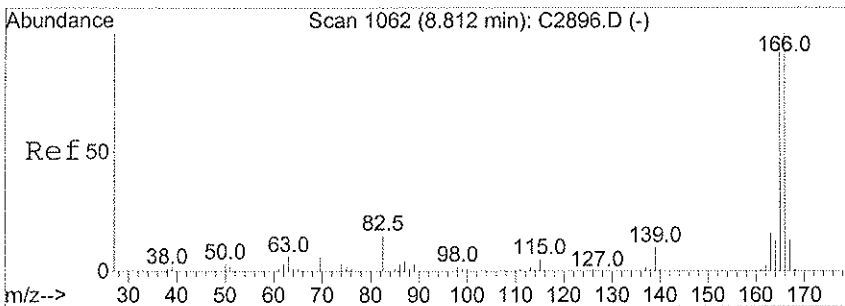
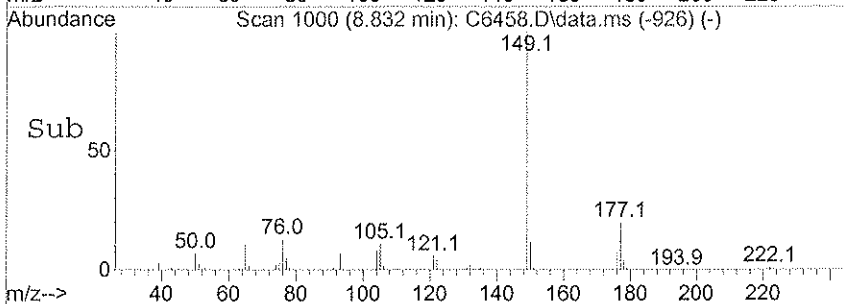
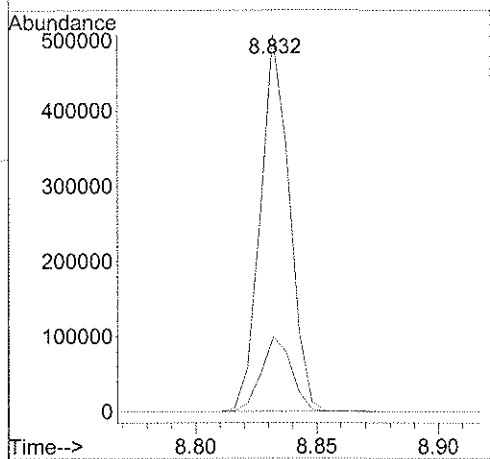
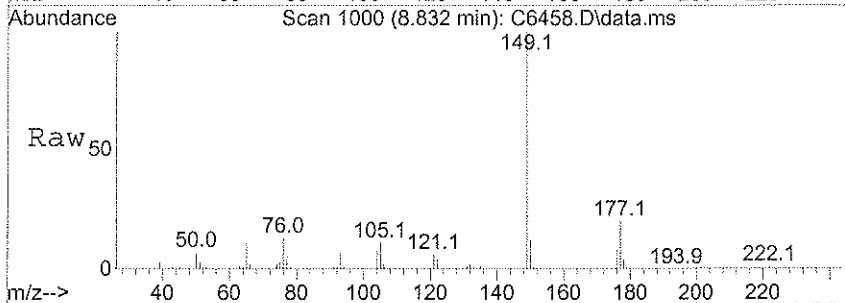






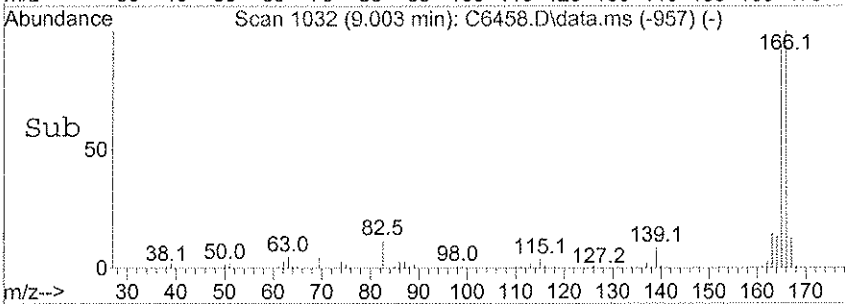
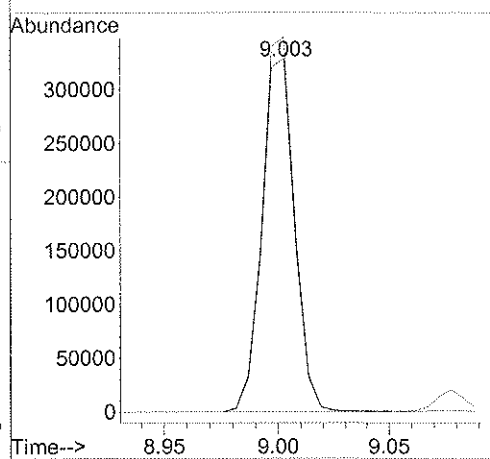
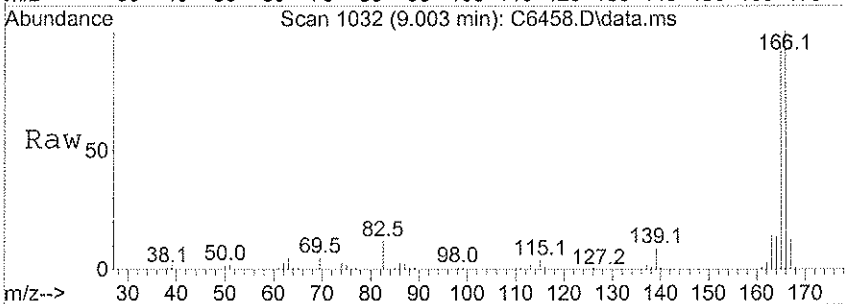
#51  
 Diethylphthalate  
 Concen: 26.65 ug/ml  
 RT: 8.832 min Scan# 1000  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

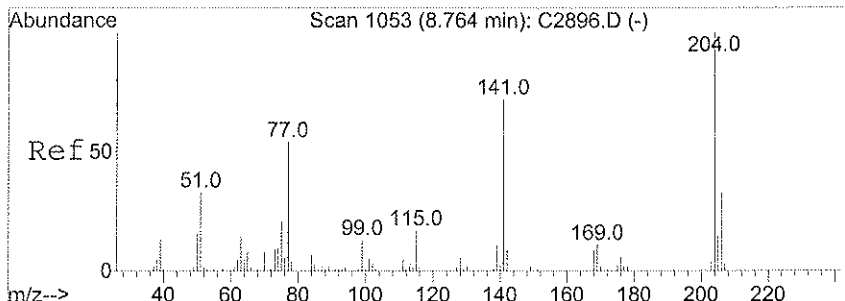
Tgt Ion	Resp	Lower	Upper
149	416777	100	
177	19.8	17.0	25.4



#52  
 Fluorene  
 Concen: 22.73 ug/ml  
 RT: 9.003 min Scan# 1032  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

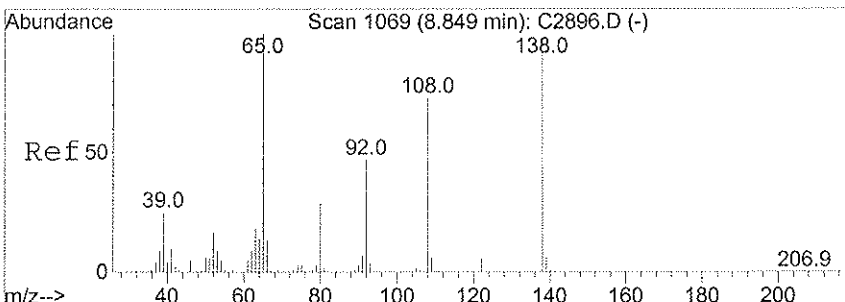
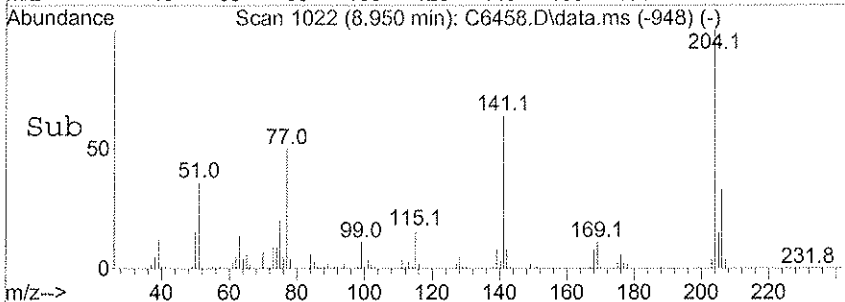
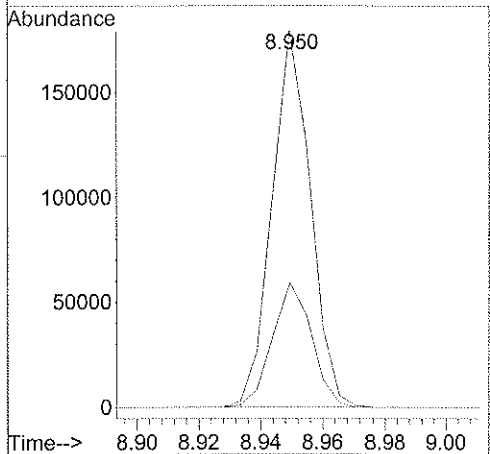
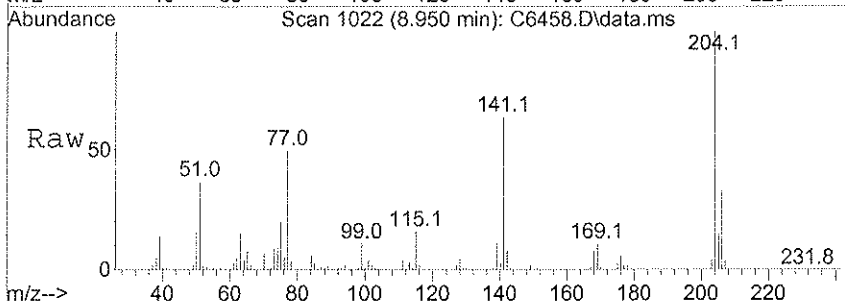
Tgt Ion	Resp	Lower	Upper
166	345083	100	
165	94.3	73.9	110.9





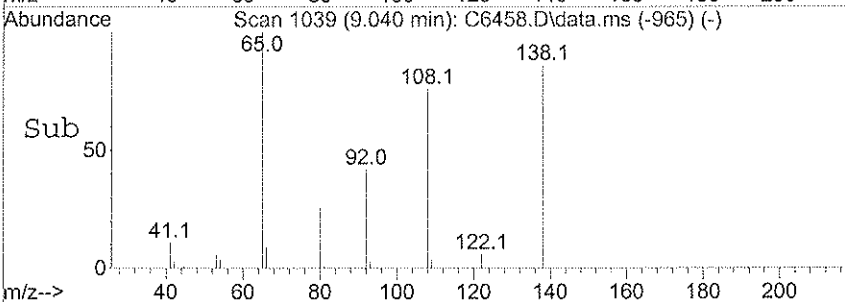
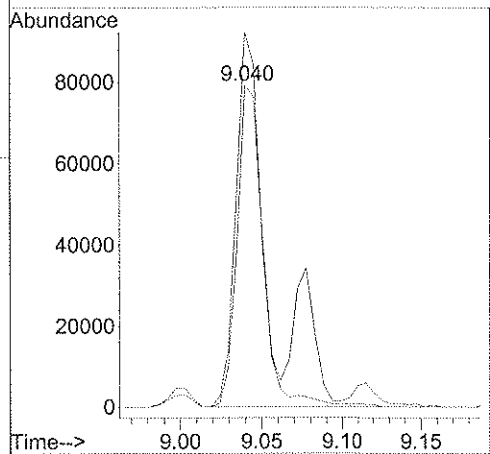
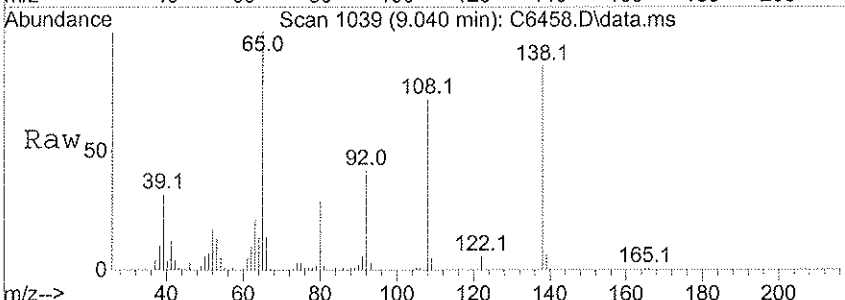
#53  
 4-Chlorophenyl phenyl ether  
 Concen: 21.62 ug/ml  
 RT: 8.950 min Scan# 1022  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

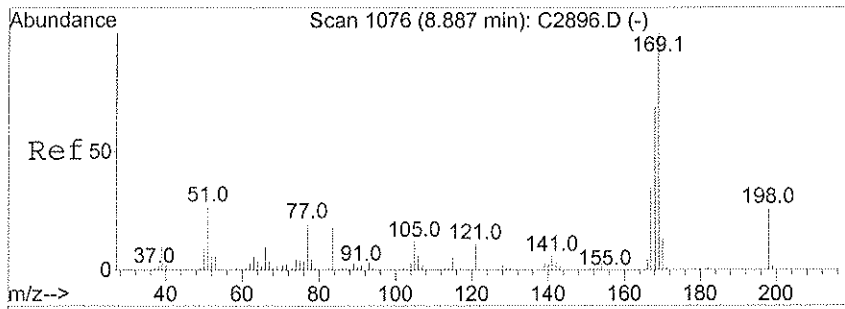
Tgt Ion	Resp	Lower	Upper
204	154338		
204	100		
206	32.9	26.0	39.0



#54  
 4-Nitroaniline  
 Concen: 28.00 ug/ml  
 RT: 9.040 min Scan# 1039  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

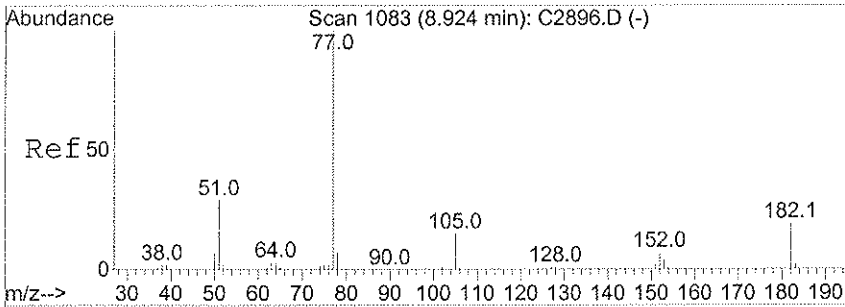
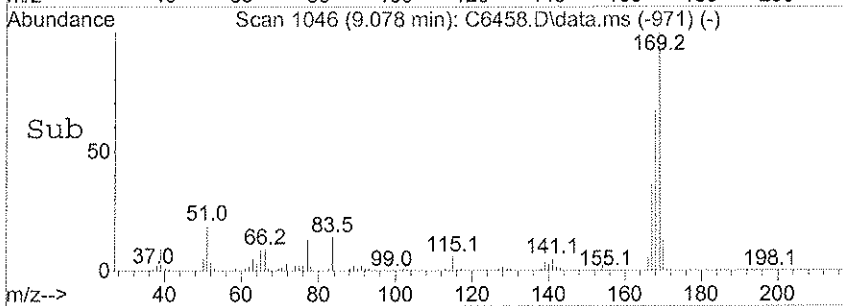
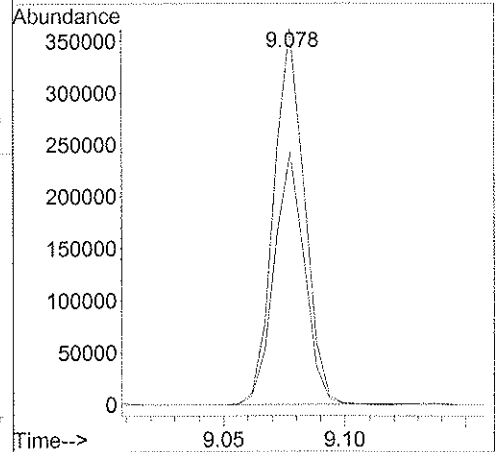
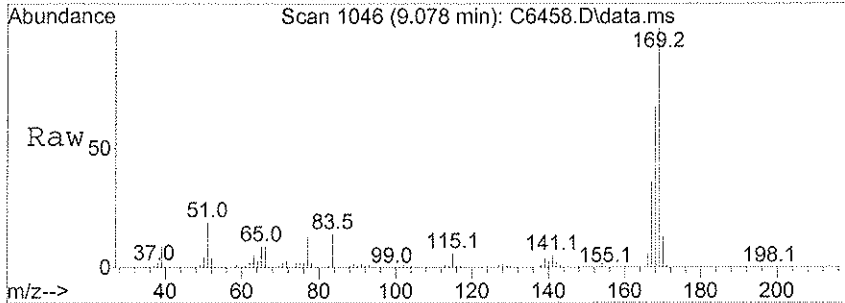
Tgt Ion	Resp	Lower	Upper
138	88896		
138	100		
65	116.8	93.0	139.4





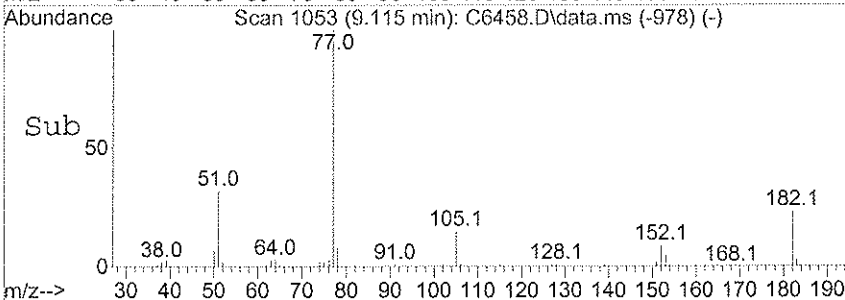
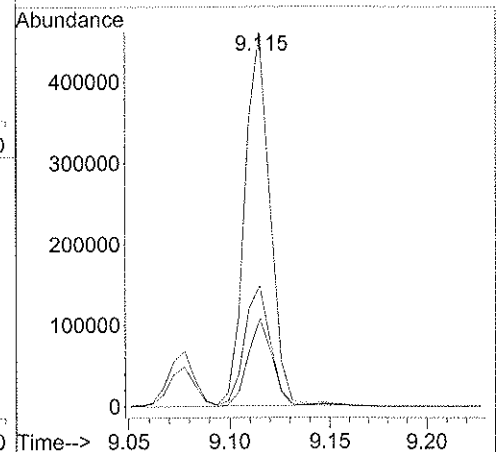
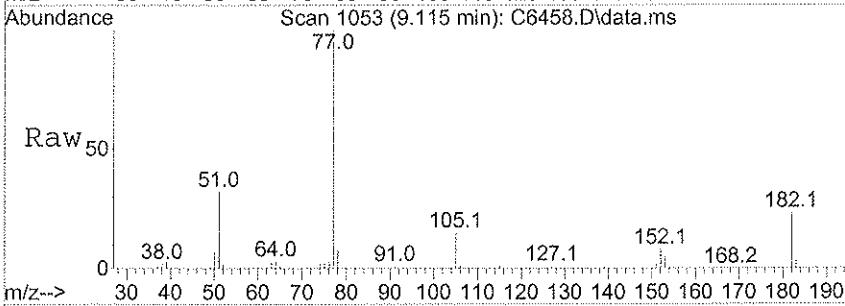
#57  
 N-Nitrosodiphenylamine  
 Concen: 29.31 ug/ml  
 RT: 9.078 min Scan# 1046  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

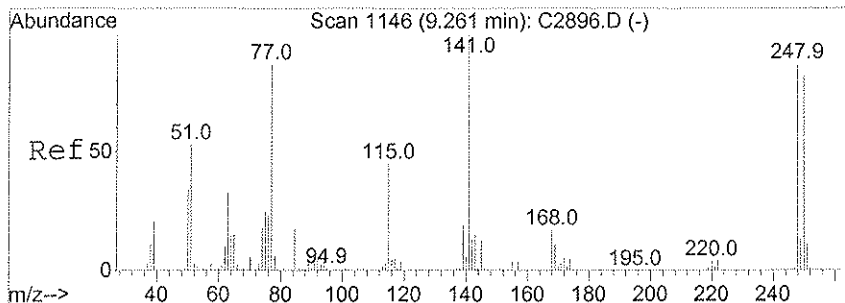
Tgt Ion: 169 Resp: 318255  
 Ion Ratio Lower Upper  
 169 100  
 168 67.0 54.6 81.8



#58  
 1,2-Diphenylhydrazine  
 Concen: 22.75 ug/ml  
 RT: 9.115 min Scan# 1053  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

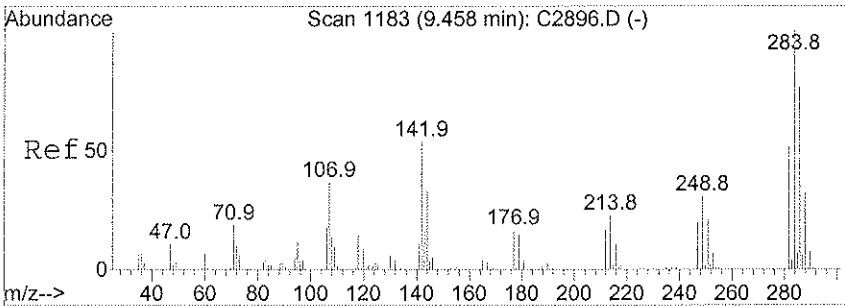
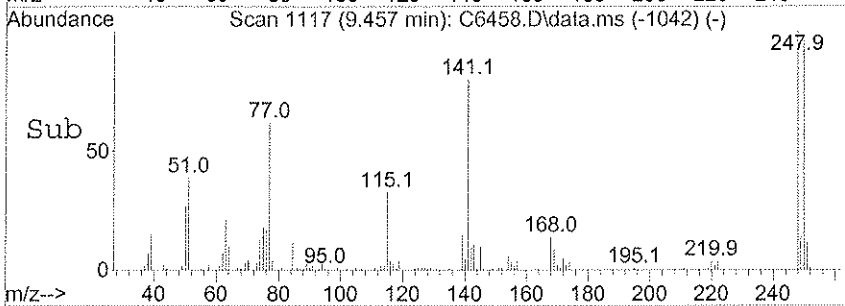
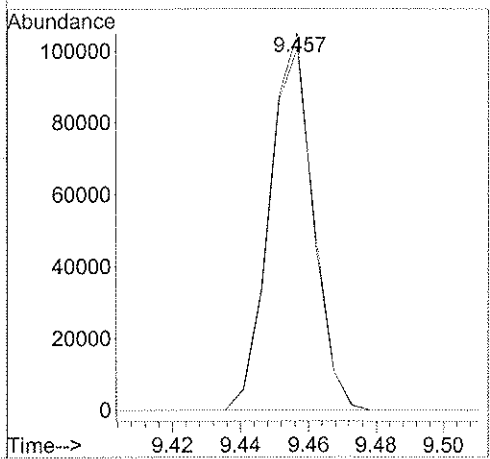
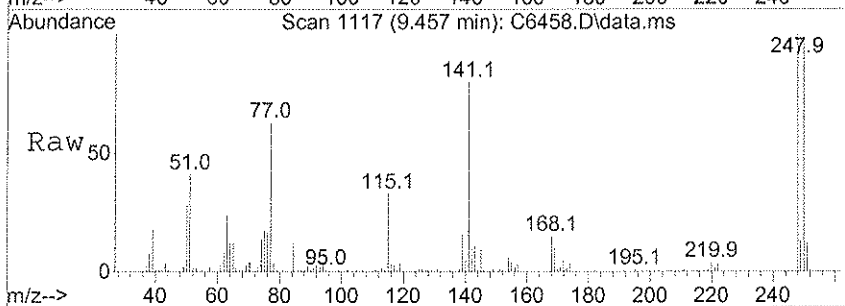
Tgt Ion: 77 Resp: 404877  
 Ion Ratio Lower Upper  
 77 100  
 182 23.4 17.4 26.0  
 51 32.3 26.1 39.1





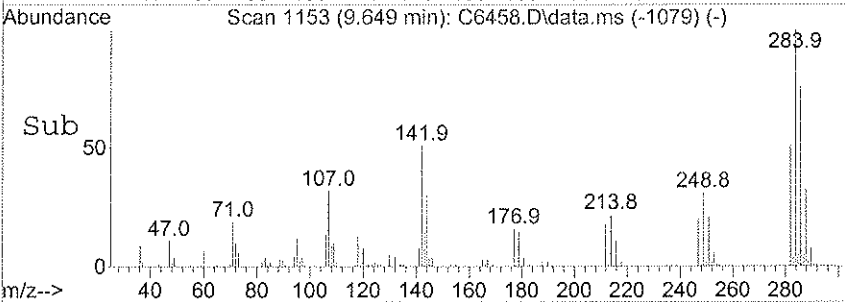
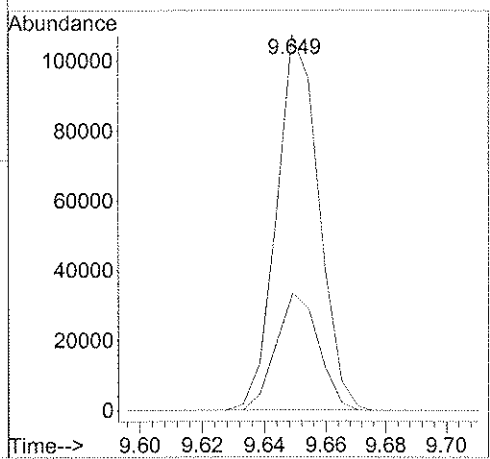
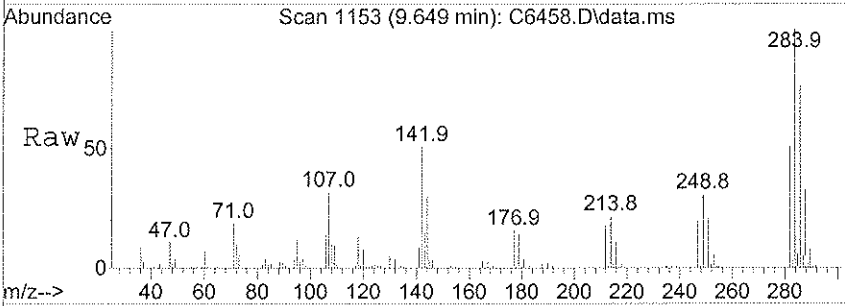
#60  
 4-Bromophenyl phenyl ether  
 Concen: 23.78 ug/ml  
 RT: 9.457 min Scan# 1117  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

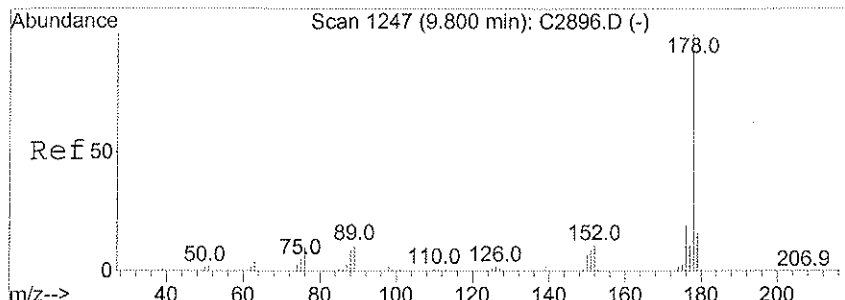
Tgt Ion:	248	Resp:	93195
Ion Ratio	Lower	Upper	
248	100		
250	95.8	77.4	116.0



#61  
 Hexachlorobenzene  
 Concen: 25.50 ug/ml  
 RT: 9.649 min Scan# 1153  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

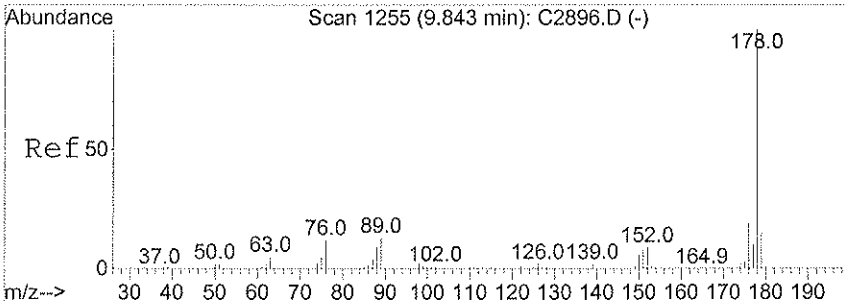
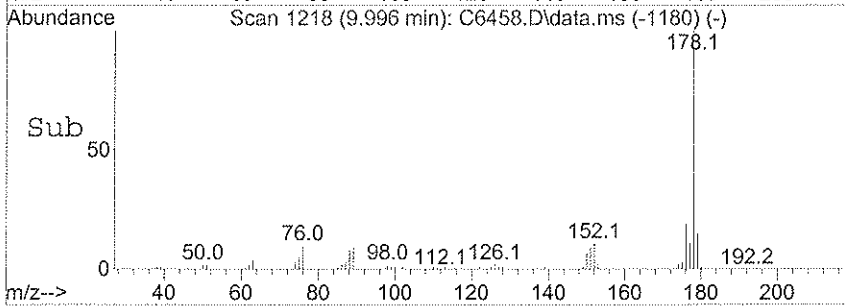
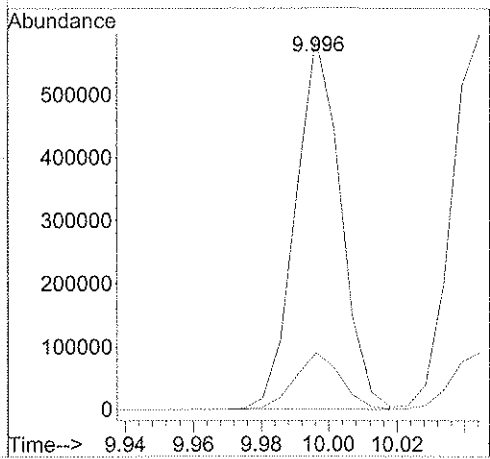
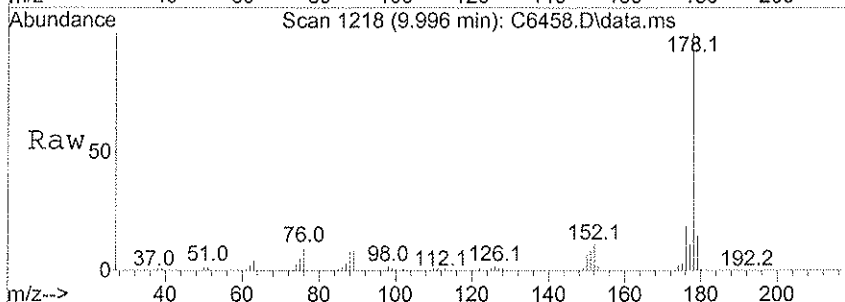
Tgt Ion:	284	Resp:	102800
Ion Ratio	Lower	Upper	
284	100		
249	31.1	23.7	35.5





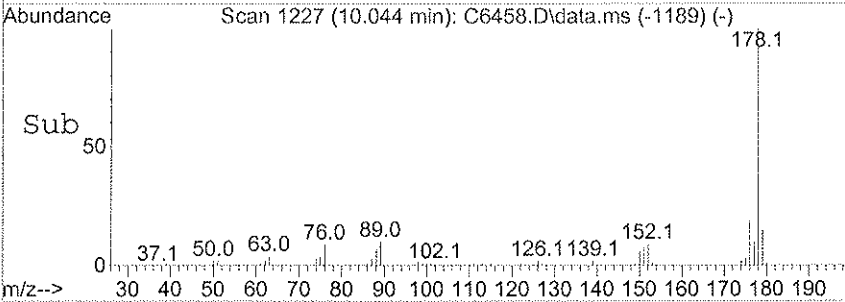
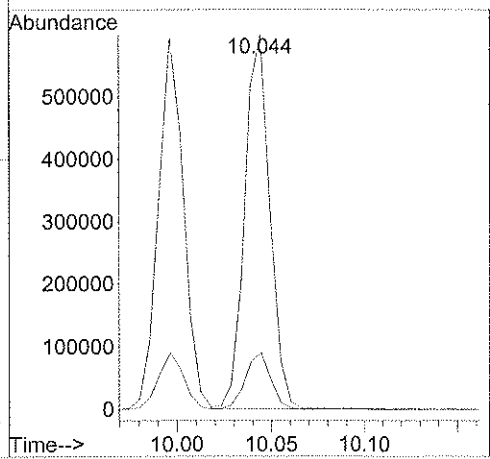
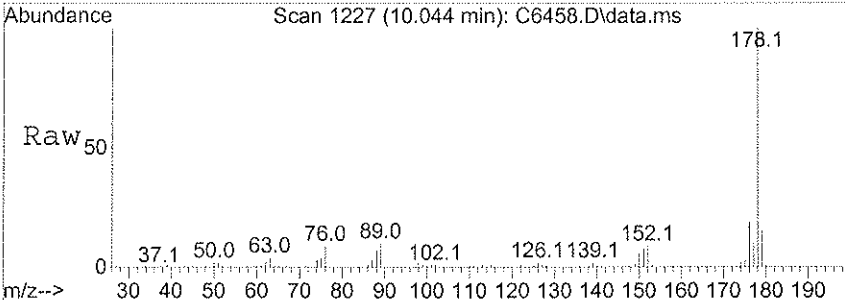
#63  
 Phenanthrene  
 Concen: 26.36 ug/ml  
 RT: 9.996 min Scan# 1218  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

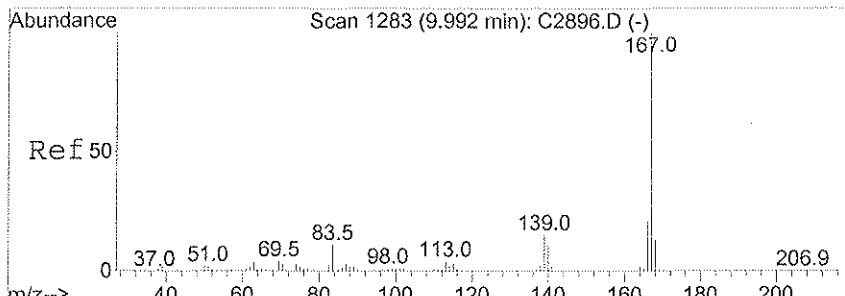
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.2	12.1	18.1



#64  
 Anthracene  
 Concen: 27.20 ug/ml  
 RT: 10.044 min Scan# 1227  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

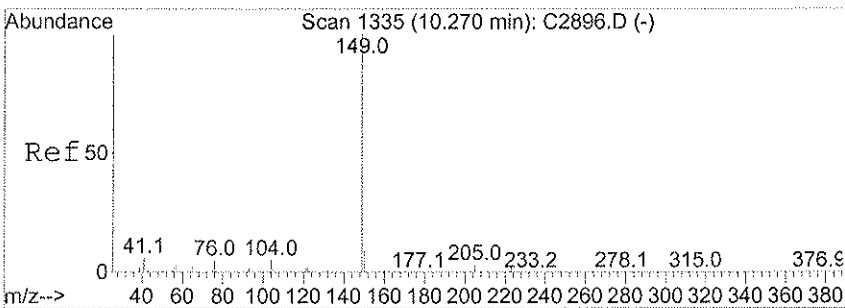
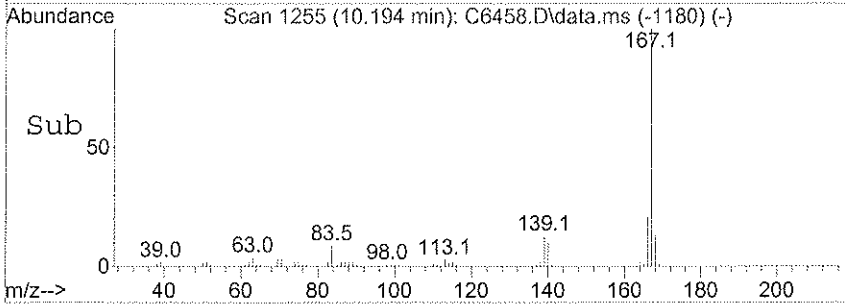
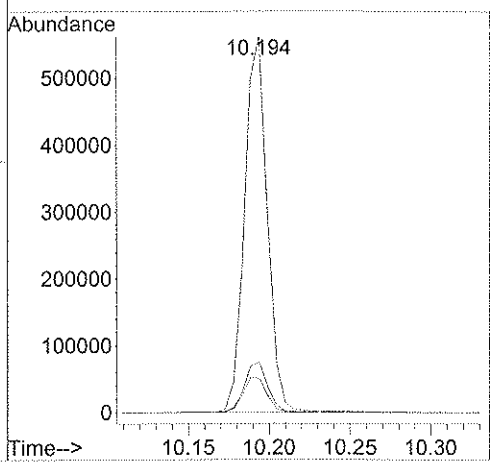
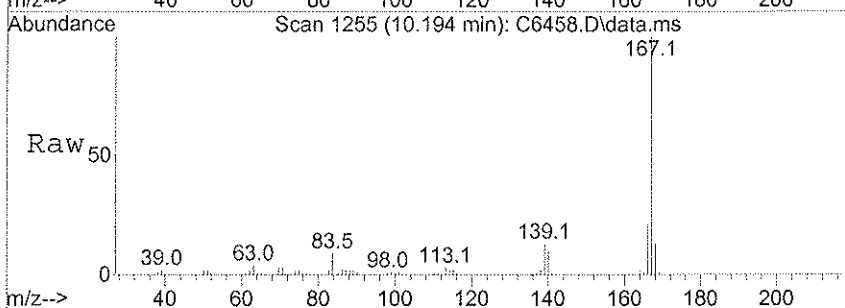
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.2	12.2	18.2





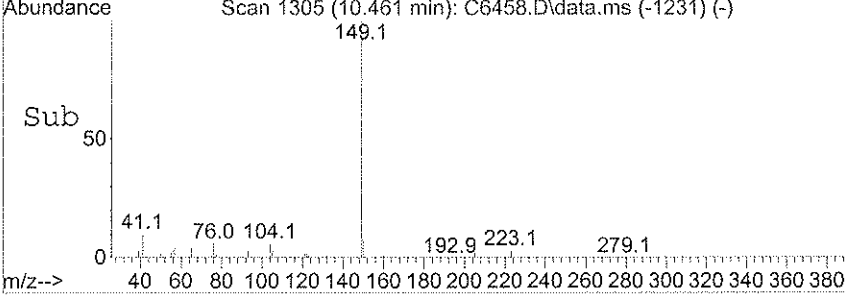
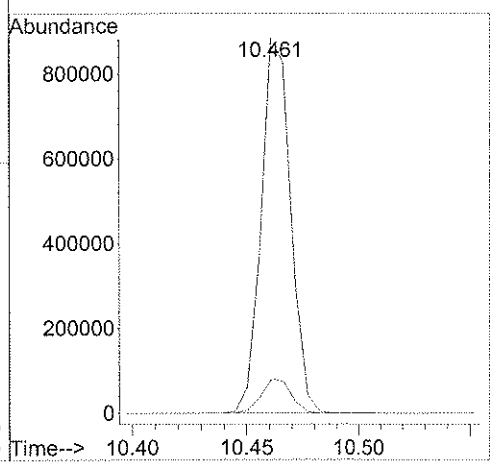
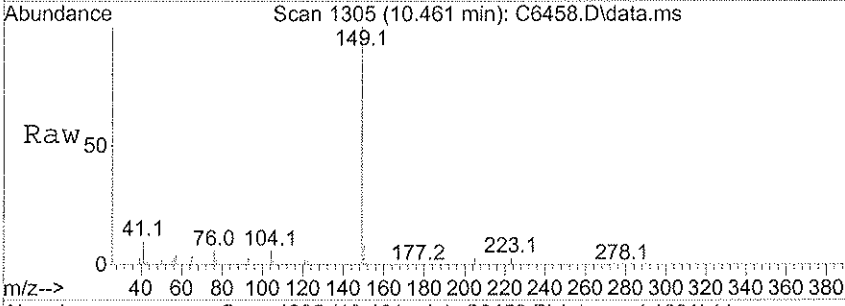
#65  
 Carbazole  
 Concen: 30.40 ug/ml  
 RT: 10.194 min Scan# 1255  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

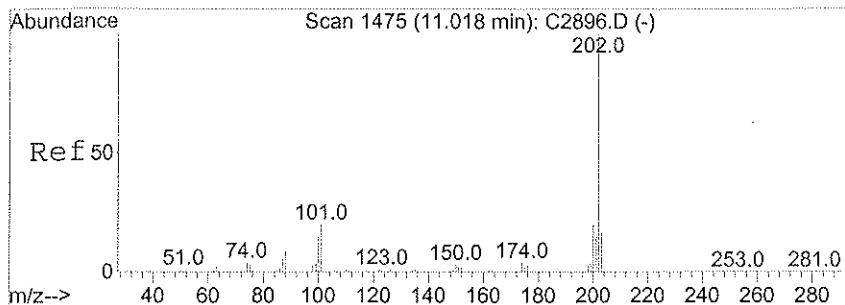
Tgt Ion	Ratio	Lower	Upper
167	100		
139	13.3	11.0	16.6
84	8.9	7.8	11.6



#66  
 Di-n-butylphthalate  
 Concen: 28.63 ug/ml  
 RT: 10.461 min Scan# 1305  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

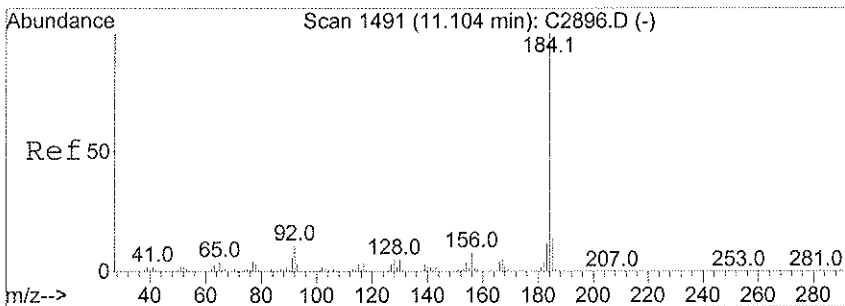
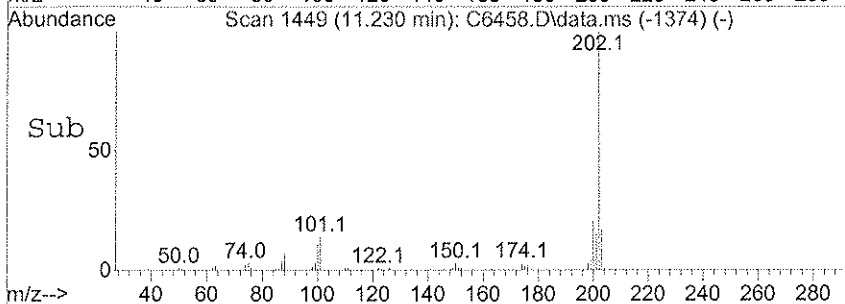
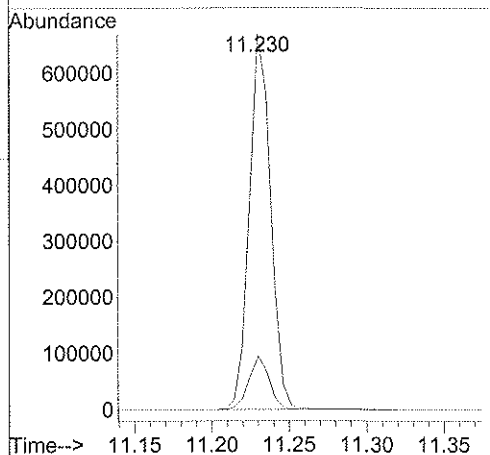
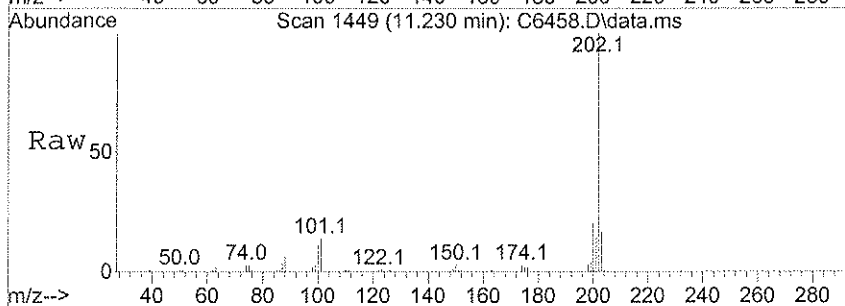
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.2	10.8





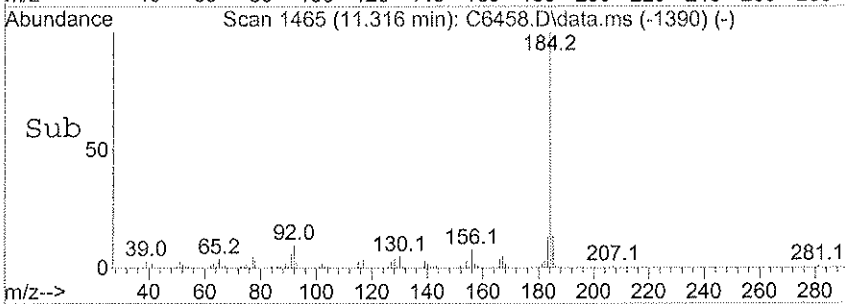
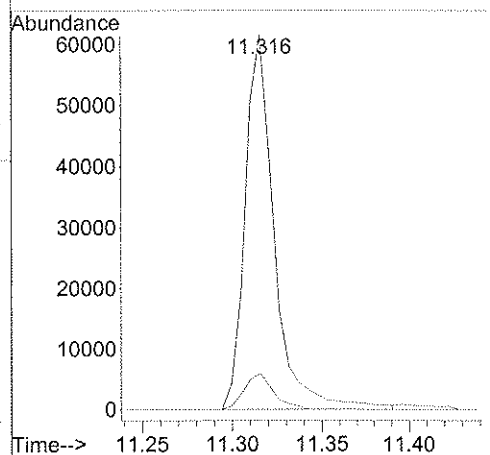
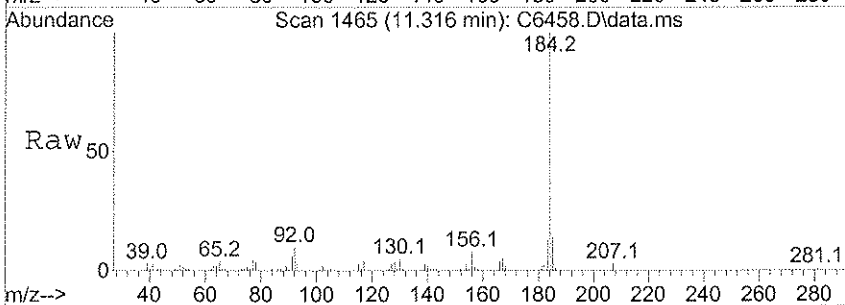
#67  
 Fluoranthene  
 Concen: 28.99 ug/ml  
 RT: 11.230 min Scan# 1449  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

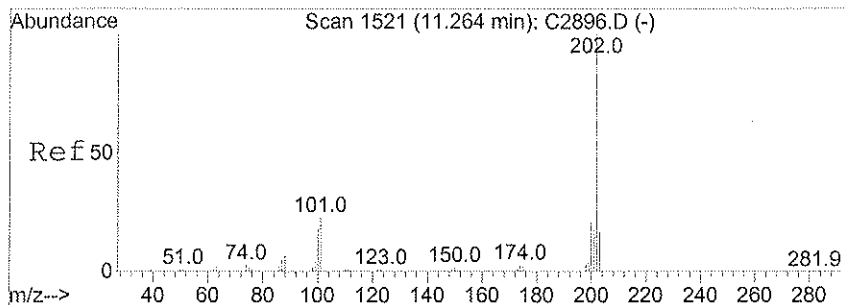
Tgt Ion	Resp	Lower	Upper
202	100		
101	14.2	11.6	17.4



#69  
 Benzidine  
 Concen: 3.17 ug/ml  
 RT: 11.316 min Scan# 1465  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

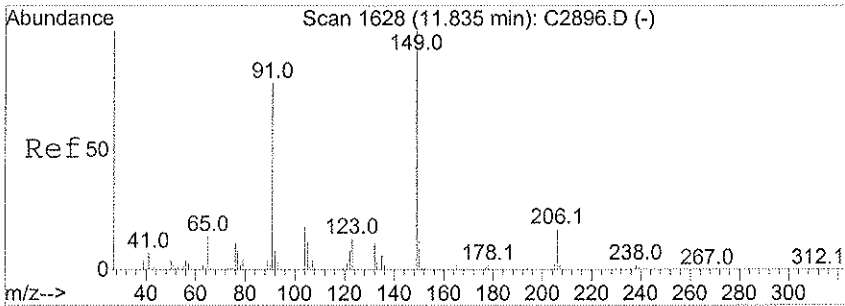
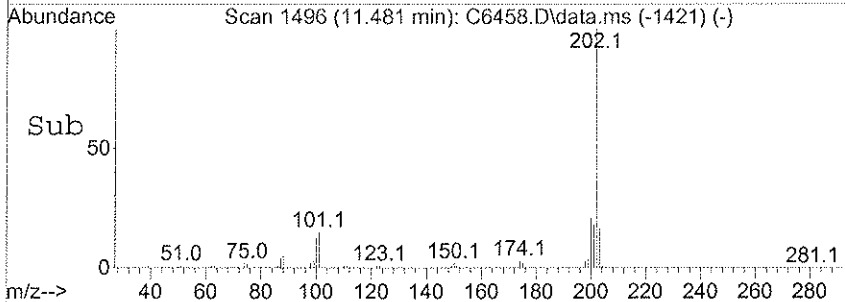
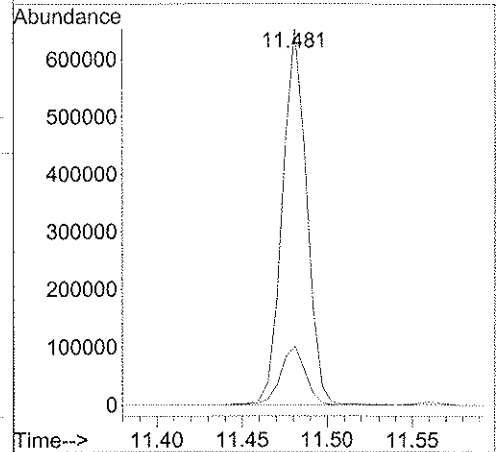
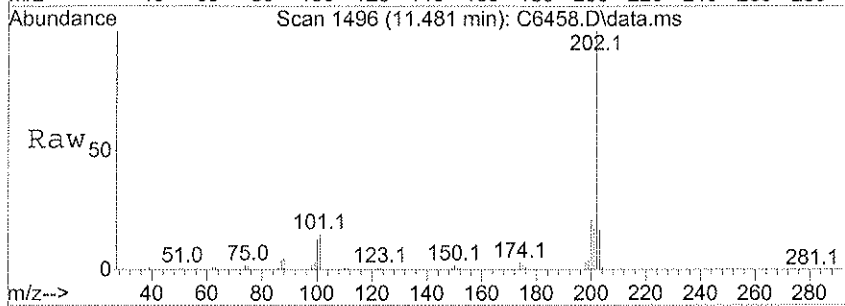
Tgt Ion	Resp	Lower	Upper
184	100		
92	9.6	7.6	11.4





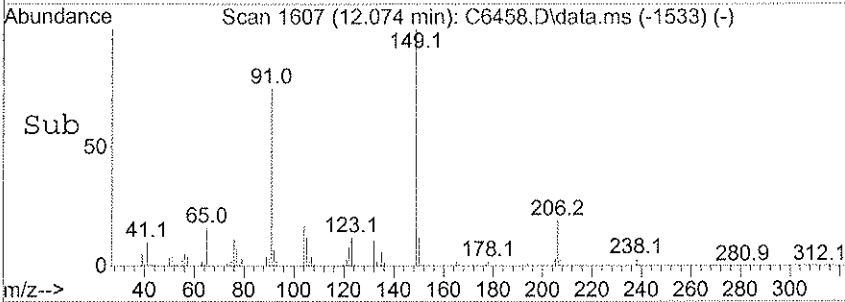
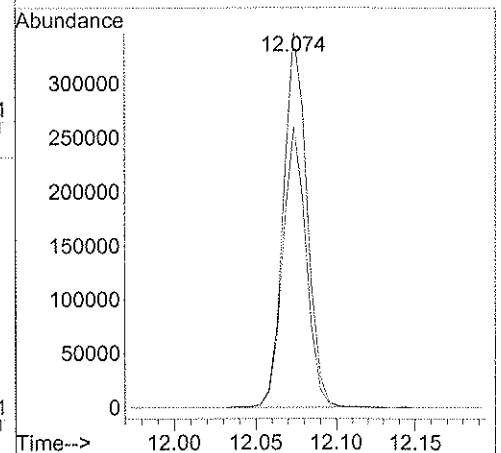
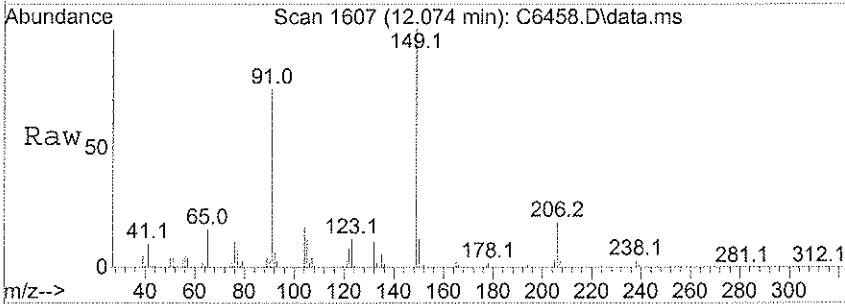
#70  
 Pyrene  
 Concen: 28.39 ug/ml  
 RT: 11.481 min Scan# 1496  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
202	100		
101	15.5	13.6	20.4

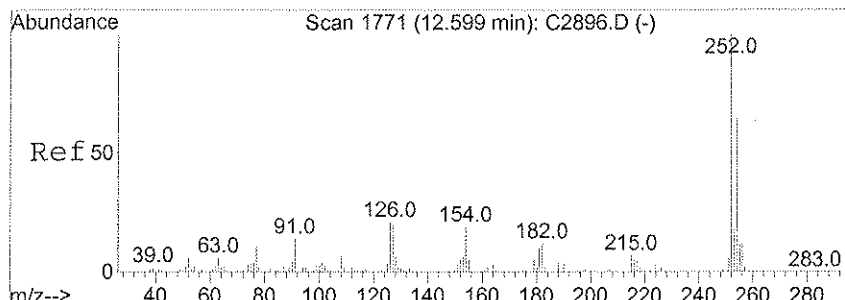


#72  
 Butylbenzylphthalate  
 Concen: 29.34 ug/ml  
 RT: 12.074 min Scan# 1607  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Resp	Lower	Upper
149	100		
91	75.1	58.4	87.6

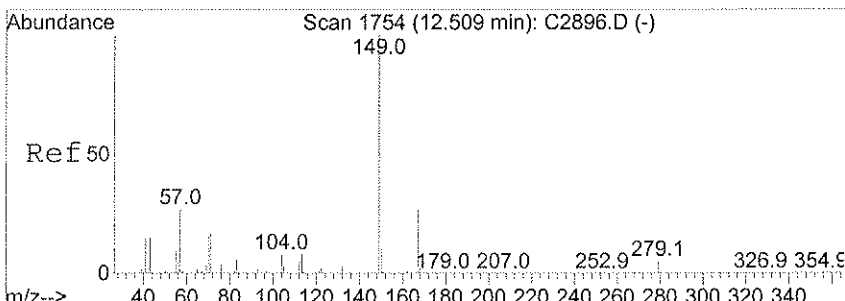
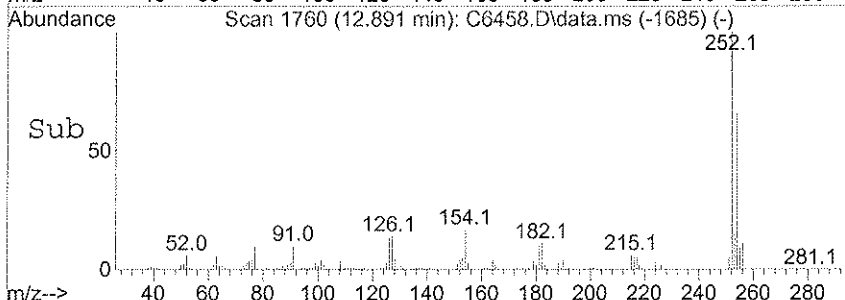
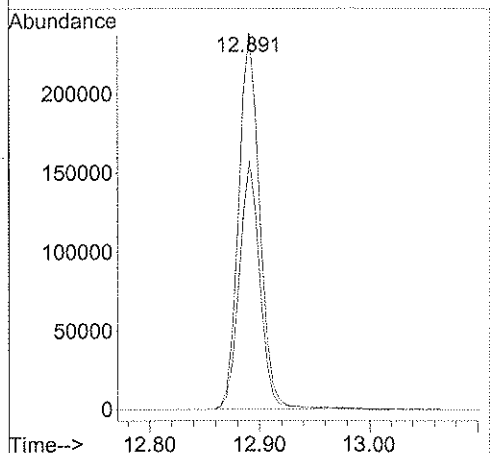
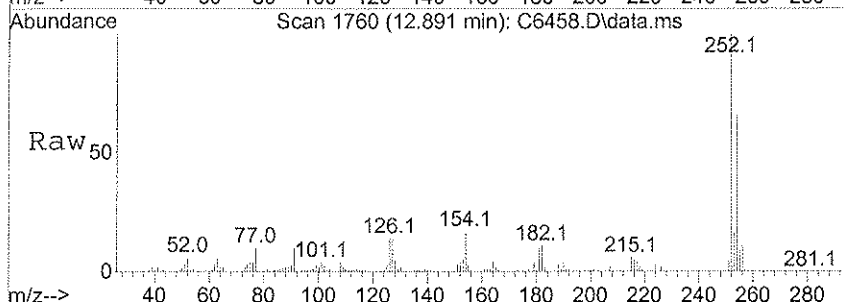






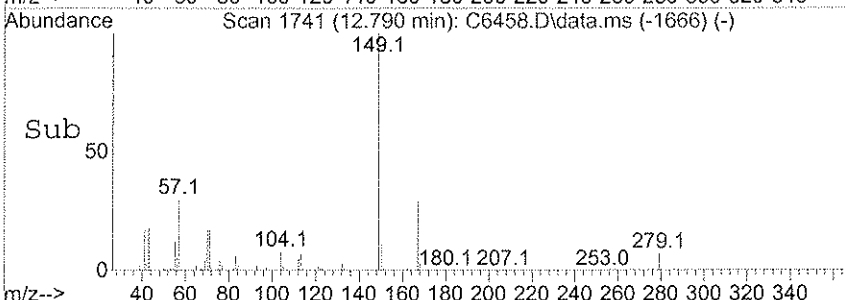
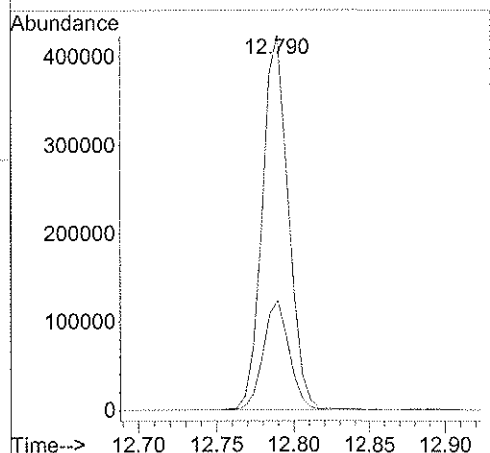
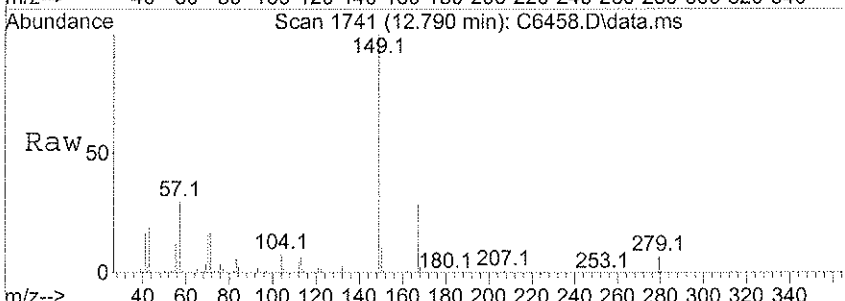
#73  
 3,3'-Dichlorobenzidine  
 Concen: 62.54 ug/ml  
 RT: 12.891 min Scan# 1760  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

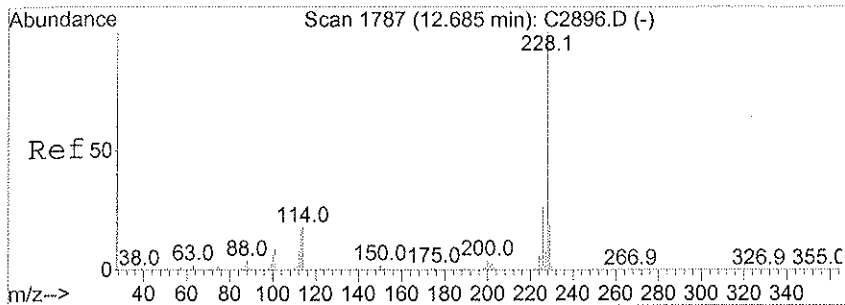
Tgt Ion	Resp	Lower	Upper
252	100		
254	66.0	50.2	75.4



#74  
 bis(2-Ethylhexyl)phthalate  
 Concen: 28.77 ug/ml  
 RT: 12.790 min Scan# 1741  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

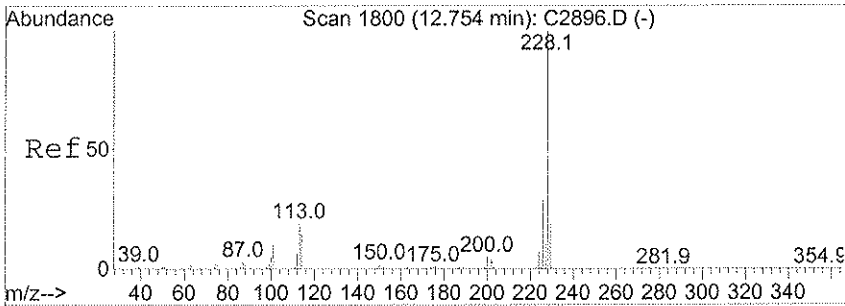
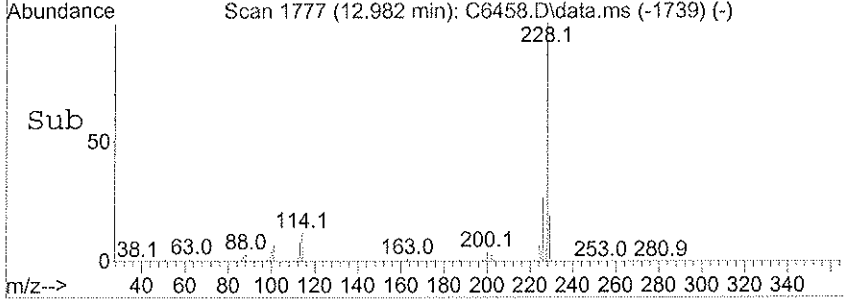
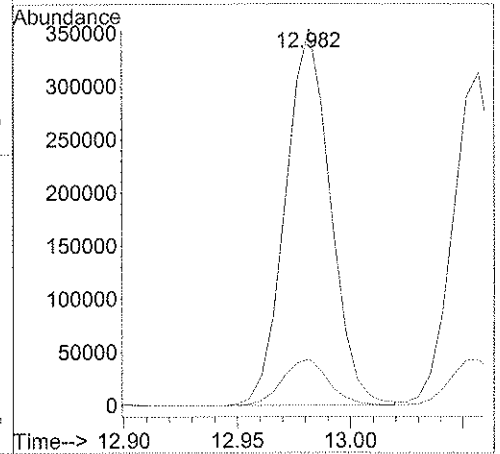
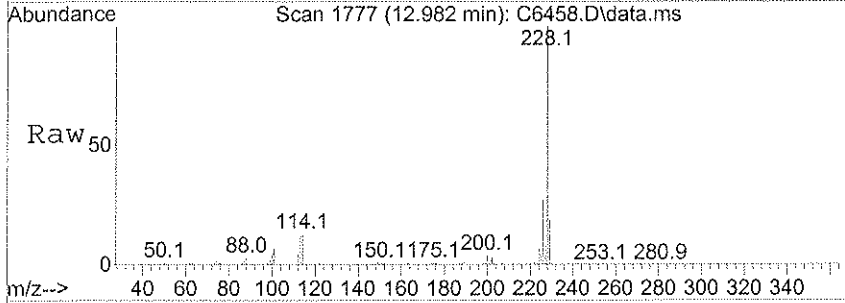
Tgt Ion	Resp	Lower	Upper
149	100		
167	29.0	22.6	33.8





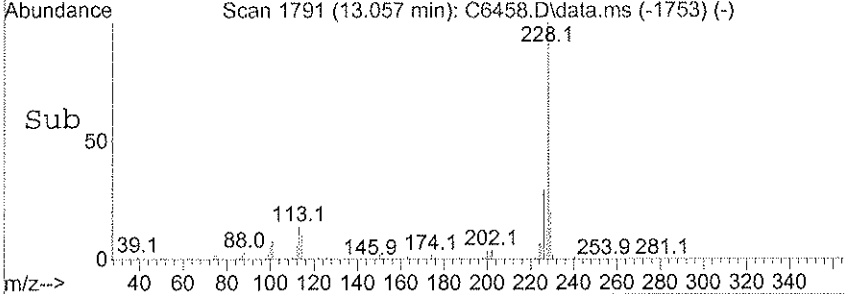
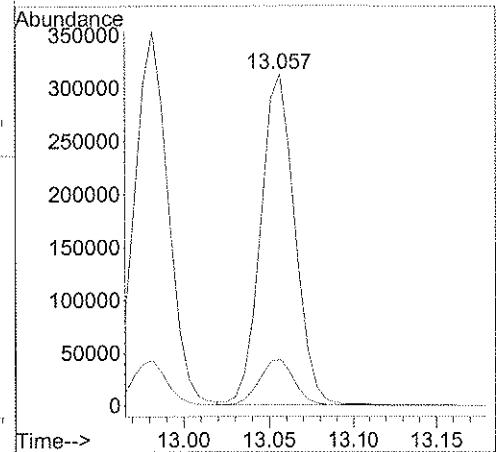
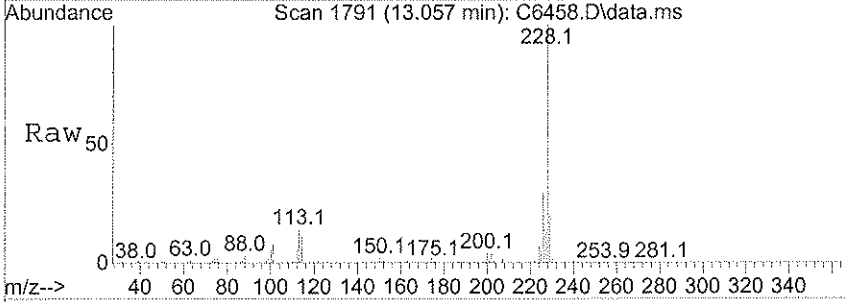
#75  
 Benzo (a) anthracene  
 Concen: 30.08 ug/ml  
 RT: 12.982 min Scan# 1777  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

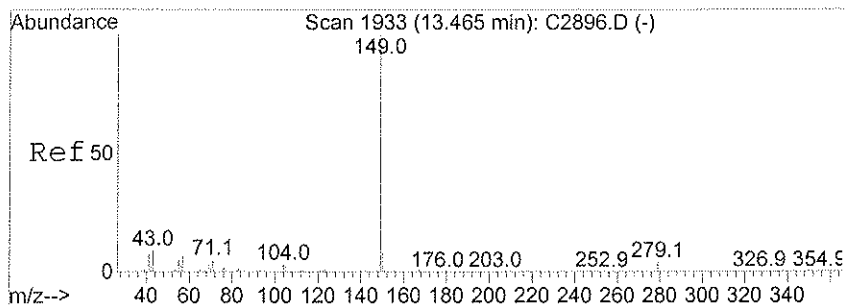
Tgt Ion	Resp	Lower	Upper
228	100		
113	12.1	9.6	14.4



#76  
 Chrysene  
 Concen: 28.74 ug/ml  
 RT: 13.057 min Scan# 1791  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

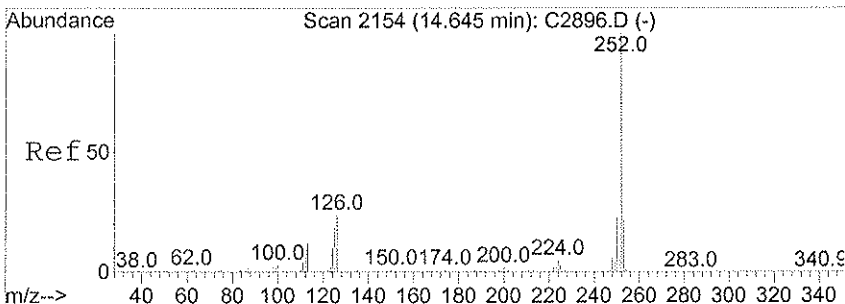
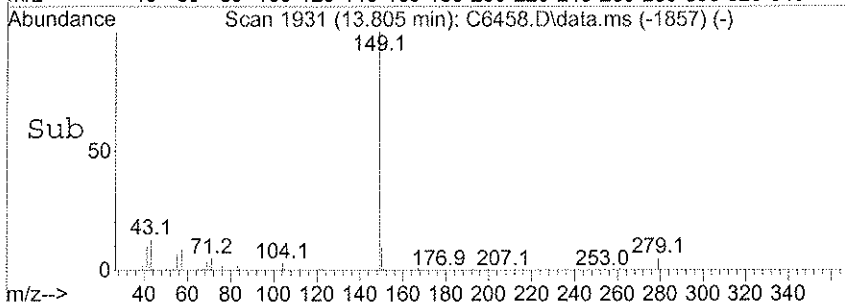
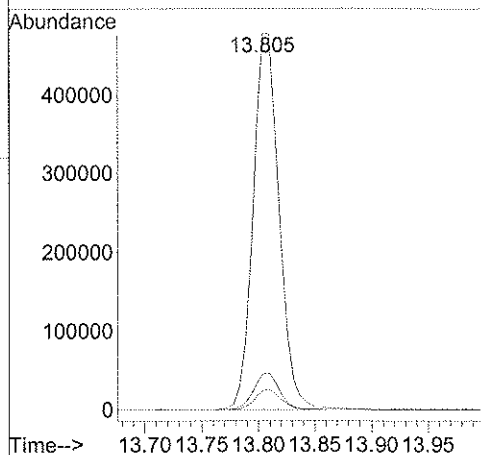
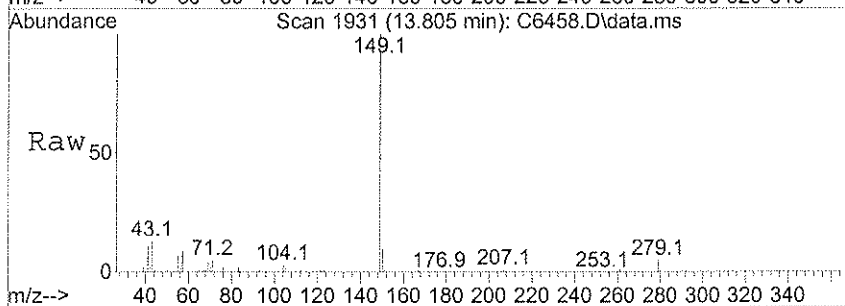
Tgt Ion	Resp	Lower	Upper
228	100		
113	13.8	11.7	17.5





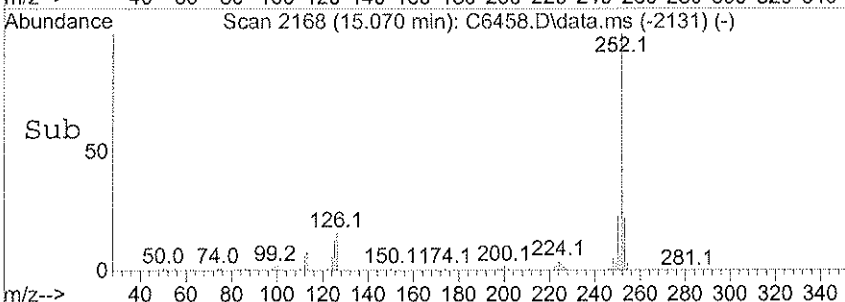
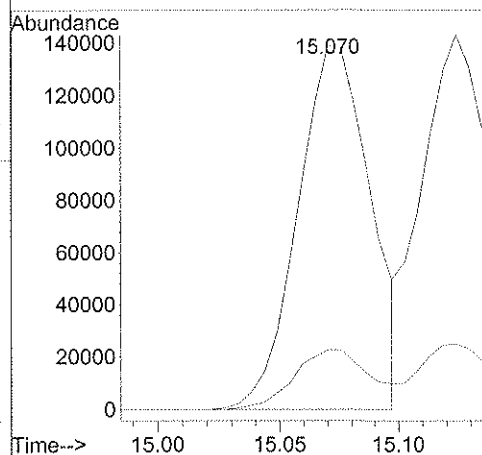
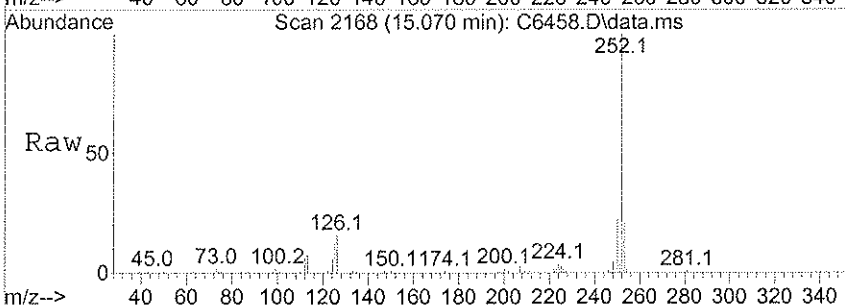
#78  
 Di-n-octylphthalate  
 Concen: 26.95 ug/ml  
 RT: 13.805 min Scan# 1931  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

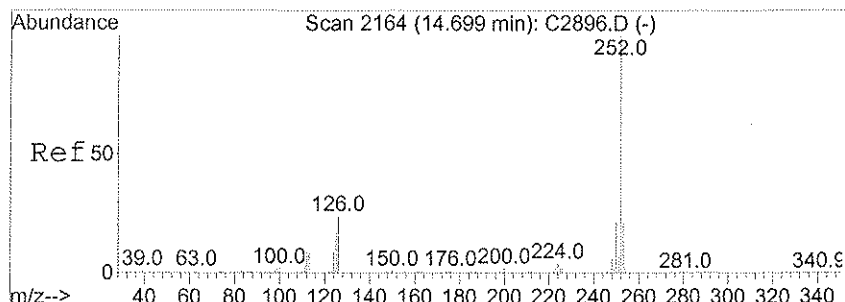
Tgt Ion:	149	Resp:	764369
Ion Ratio	Lower	Upper	
149	100		
150	9.6	8.2	12.2
279	5.3	4.3	6.5



#79  
 Benzo(b)fluoranthene  
 Concen: 29.21 ug/ml  
 RT: 15.070 min Scan# 2168  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

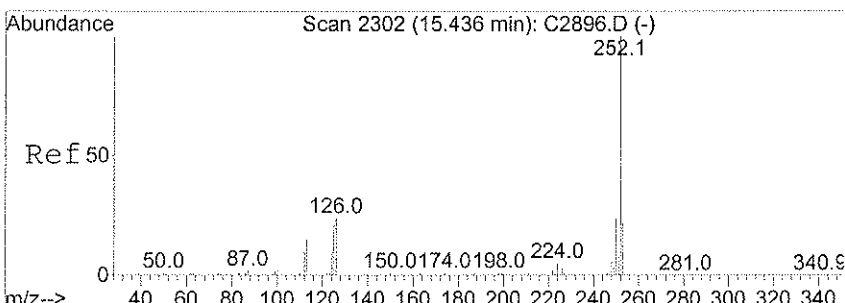
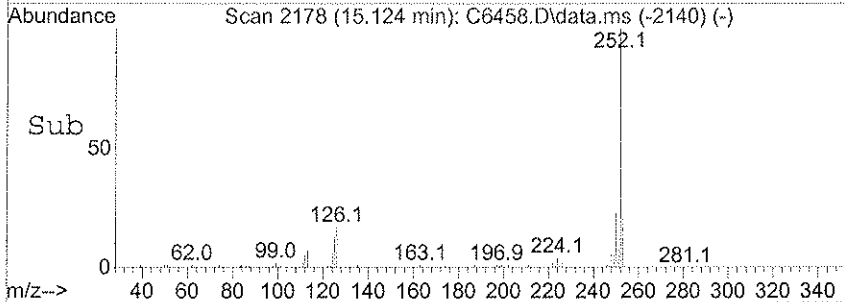
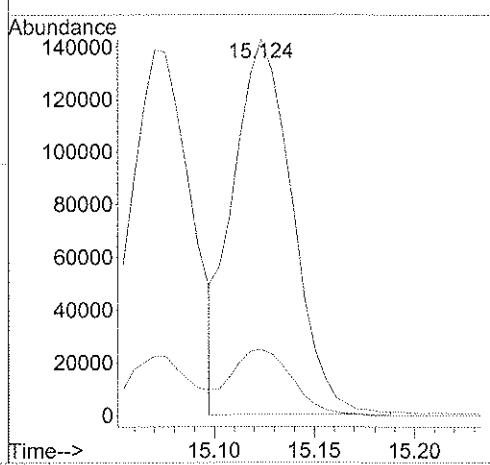
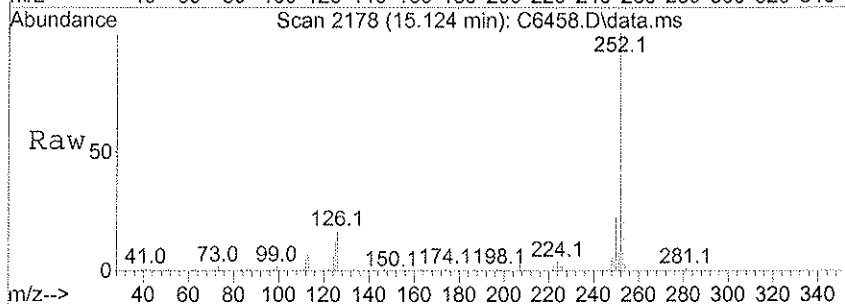
Tgt Ion:	252	Resp:	294564
Ion Ratio	Lower	Upper	
252	100		
126	16.3	12.6	19.0





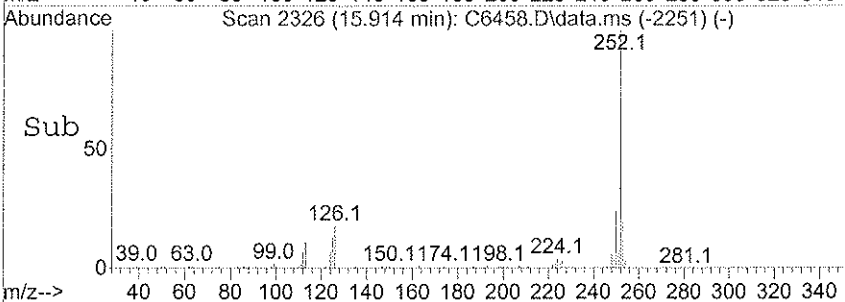
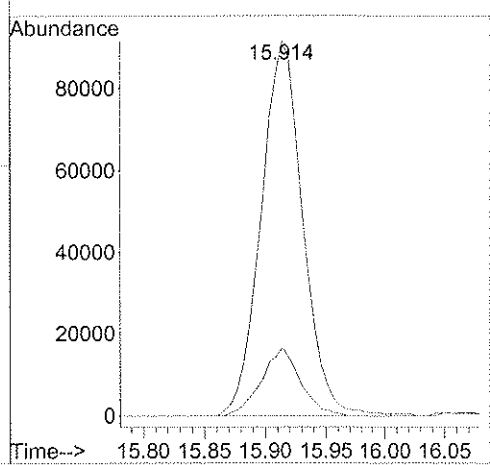
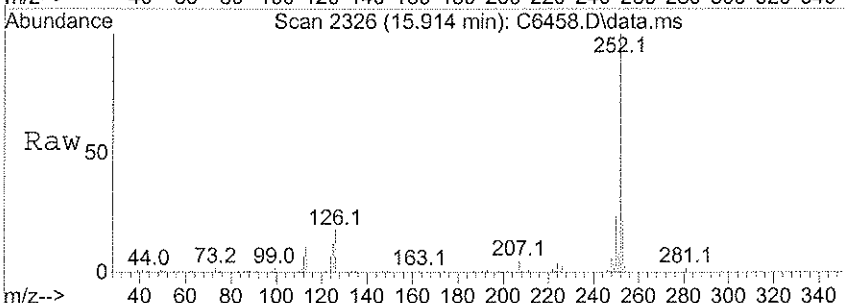
#80  
 Benzo (k) fluoranthene  
 Concen: 31.24 ug/ml  
 RT: 15.124 min Scan# 2178  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

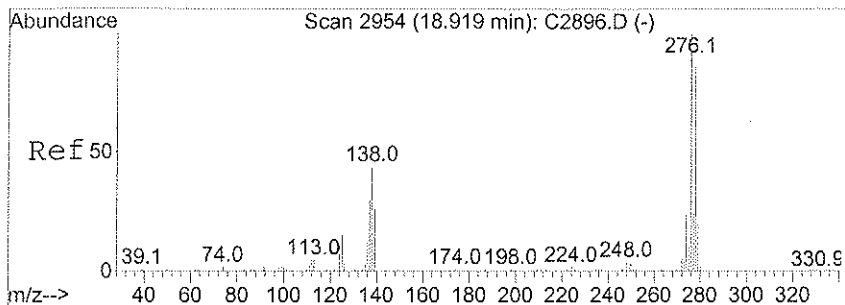
Tgt Ion	Ratio	Lower	Upper
252	100		
126	17.4	14.5	21.7



#81  
 Benzo (a) pyrene  
 Concen: 30.96 ug/ml  
 RT: 15.914 min Scan# 2326  
 Delta R.T. 0.001 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

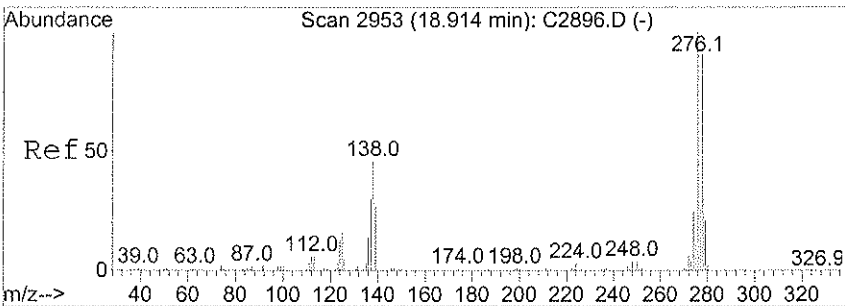
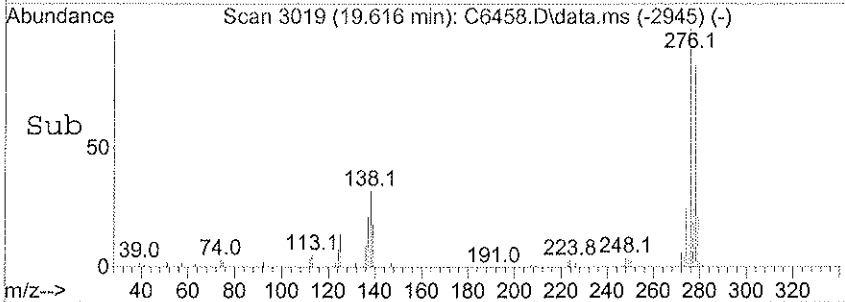
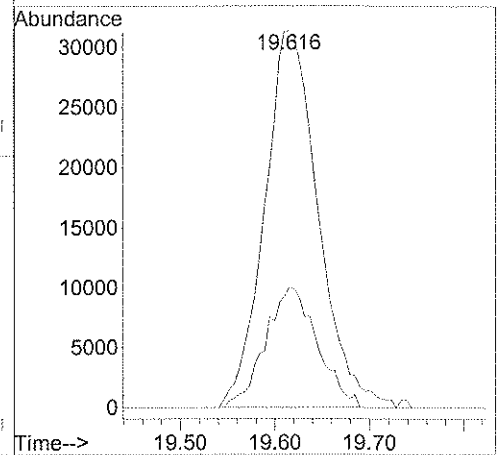
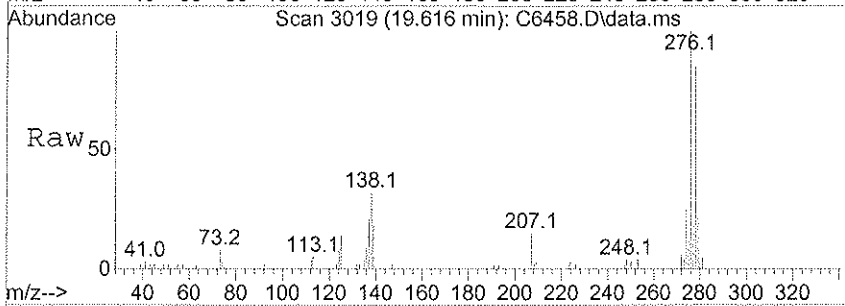
Tgt Ion	Ratio	Lower	Upper
252	100		
126	18.0	13.9	20.9





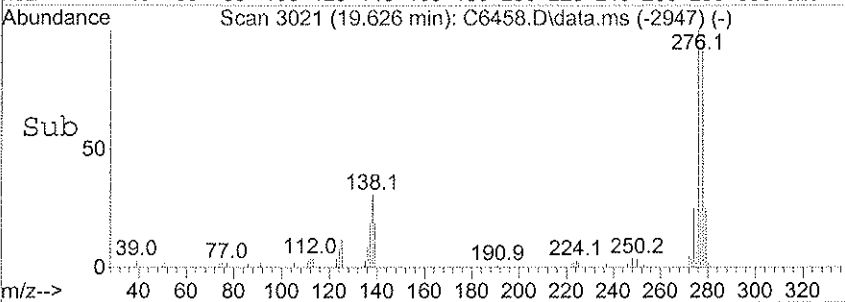
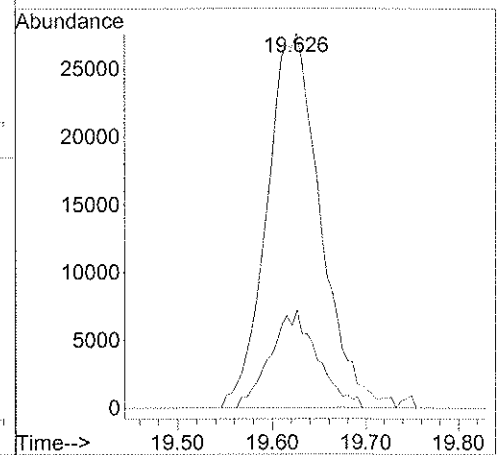
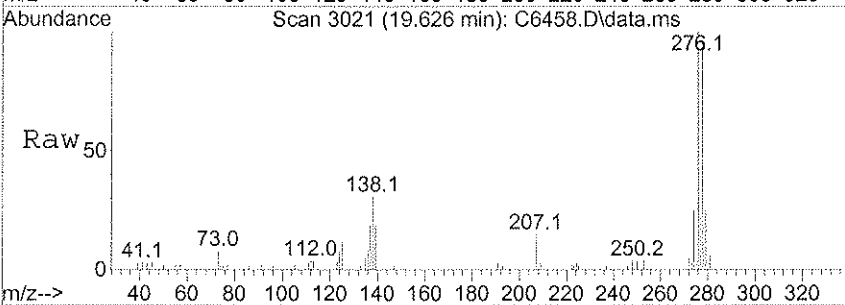
#82  
 Indeno(1,2,3-cd)pyrene  
 Concen: 32.23 ug/ml  
 RT: 19.616 min Scan# 3019  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

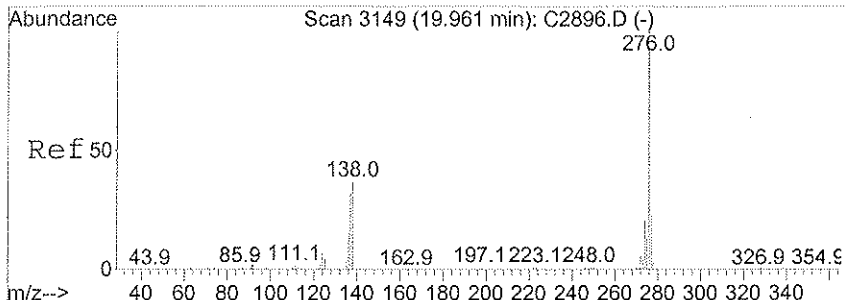
Tgt Ion	Resp	Lower	Upper
276	124655		
138	32.0	23.0	34.6



#83  
 Dibenz(a,h)anthracene  
 Concen: 32.34 ug/ml  
 RT: 19.626 min Scan# 3021  
 Delta R.T. -0.005 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

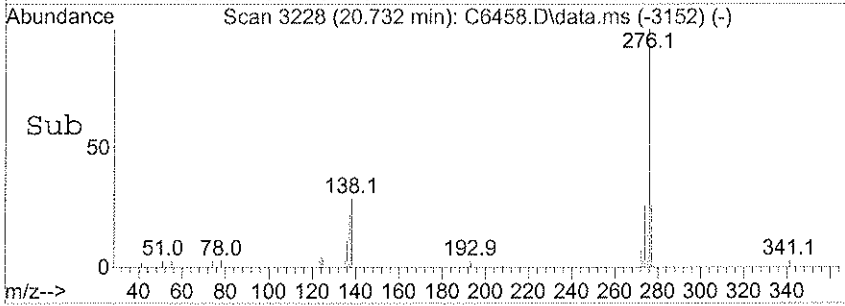
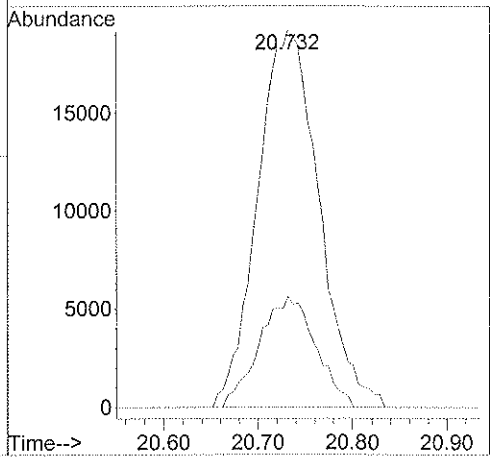
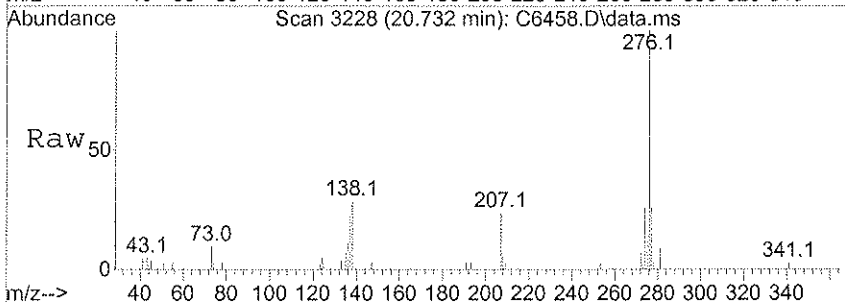
Tgt Ion	Resp	Lower	Upper
278	108762		
279	26.1	16.7	25.1#





#84  
 Benzo (g, h, i) perylene  
 Concen: 30.34 ug/ml  
 RT: 20.732 min Scan# 3228  
 Delta R.T. 0.006 min  
 Lab File: C6458.D  
 Acq: 23 Apr 2012 4:09 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	17.4	26.0#



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Semivolatile Extraction Logs / Analysis Logs**

*Environmental Quality Services, Inc.*

# Extraction Log Book for: GCMS-SV

Reviewed By: \_\_\_\_\_

Print Date: 6/18/2012

PrepDate: 04/13/2012

PrepID	CUCODE	No	Job	Blank Id	Dept	PRCode	Matrix	IV	Prep By	Surrogate Information			Spike Information			Na2SO4Lot	FV	Trans By	Clean Up Type	Clean Up By	Trans Vial	Comments
										Surrogate	AMT	Code	AddedBy	SPIKE	Code							
162787	SBLK	42	TE 8270	0			TCLP	100	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162788	MSB	42	TE 8270	162787			TCLP	100	MQ	BNA	1	52411A1	MQ	TE 827	82211	1	MQ	MQ				
162789	1204092	01	TE 8270	162787			TCLP	100	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162790	1204133	01	TE 8270	162787			TCLP	100	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162791	1204133	02	TE 8270	162787			TCLP	100	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162792	1204133	03	TE 8270	162787			TCLP	100	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162834	SBLK	43	E 8270	0			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162835	MSB	43	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ	E 8270	081011	1	MQ	MQ				
162836	1204155	01	E 625	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162837	1204156	01	E 625	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162838	1204161	01	E 625	162834			L	500	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162839	1204168	07	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162840	1204168	08	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162841	1204168	09	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162842	1204168	09MS	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				
162843	1204168	09MSD	E 8270	162834			L	1000	MQ	BNA	1	52411A1	MQ		82211	1	MQ	MQ				



# Logbook GCMS Semivolatiles

**Batch: C 2854**  
**Create Date: 4/23/2012 11:26**  
**Initials: JK**

## 8270A

File ID	Sample	Std Code	Type	Prep Date	Prep ID	Matrix	DF	IV	FV	Comments
C -278	50ngDFTPP-00	10/23/2007:b5:p:75	P		0	L	1	1	1	
C 6450	SSTD005-01	11/17/2011:b8:p:52	I		0	L	1	1	1	
C 6451	SSTD010-02	11/17/2011:b8:p:52	I		0	L	1	1	1	
C 6452	SSTD020-03	11/17/2011:b8:p:52	I		0	L	1	1	1	
C 6453	SSTD040-04	11/17/2011:b8:p:52	I		0	L	1	1	1	
C 6454	SSTD080-05	11/17/2011:b8:p:52	I		0	L	1	1	1	
C 6455	SBLK-50		B		0	L	1	1	1	
C 6456	SSTD020-03	11/17/2011:b8:p:52	C		0	L	1	1	1	
C 6457	SBLK-51		B		0	L	1	1	1	
C 6458	MSB-49	9/18/2006:b4:p:72	R		0	L	1	1	1	
C 6459	1204168-07	9/16/2011:b8:p:48	S	04/13/12	162839	L	1	1000	1	
C 6460	1204168-08	9/16/2011:b8:p:48	S	04/13/12	162840	L	1	1000	1	
C 6461	1204168-09	9/16/2011:b8:p:48	S	04/13/12	162841	L	1	1000	1	
C 6462	1204168-09MS	3/16/2009:b6:p:86	M	04/13/12	162842	L	1	1000	1	
C 6463	1204168-09MSD		N	04/13/12	162843	L	1	1000	1	
C 6464	1204255-01	9/16/2011:b8:p:48	S	04/23/12	163033	S	1	10	1	
C 6465	1204202-01	9/16/2011:b8:p:48	S	04/20/12	163003	L	1	250	1	
C 6466	1204170-01	9/16/2011:b8:p:48	S	04/20/12	163005	L	1	300	1	
C 6467	1204237-01	9/16/2011:b8:p:48	S	04/20/12	162999	L	1	1000	1	
C 6468	1204238-01	9/16/2011:b8:p:48	S	04/20/12	163001	L	1	1000	1	
C 6469	1204251-01	9/16/2011:b8:p:48	S	04/20/12	163000	L	1	250	1	
C 6470	1204261-01	9/16/2011:b8:p:48	S	04/20/12	163002	L	1	250	1	
C 6471	1204179-01	9/16/2011:b8:p:48	S	04/17/12	162914	OL	1	0.9	10	

**Types:**    Q = QC CheckStd    F = RefStd    M = Matrix Spike    N = Matrix Spike Duplicate  
               I = InitCalStd    S = Sample    P = Performance Std    L = Instrument Blank    C = Continuing Cal

**GCMS-SV QC PACKAGE SUMMARY**

COC#: 1204168

QC Level: LEVEL-4

ICAL BATCH	ICAL DF/TPP	ANALYSIS BATCH	CCAL DF/TPP	CCAL	PrepDate	BLANK	INJ#	SAMPLE LAB ID	MATRIX	DF	INJECTION DATE/TIME	Total Solids
C2854	C-278	C2854	C-278	C2854-6456	4/13/2012	1204168-07	C2854-6459	1204168-07	L	1	4/23/2012 4:39:00 PM	1
						1204168-08	C2854-6460	1204168-08	L	1	4/23/2012 5:09:00 PM	1
						1204168-09	C2854-6461	1204168-09	L	1	4/23/2012 5:38:00 PM	1
						1204168-09M1	C2854-6462	1204168-09MS	L	1	4/23/2012 6:08:00 PM	1
						1204168-09M1	C2854-6463	1204168-09MSD	L	1	4/23/2012 6:37:00 PM	1

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Data**

*Environmental Quality Services, Inc.*

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Sample Data**

*Environmental Quality Services, Inc.*

INORGANIC ANALYSES DATA PACKAGE  
COVER PAGE

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 SOW No.: N/A SDG No: N/A

Contract: WYANDANC  
 SAS No: N/A  
 Date Received.: 4/12/2012

Sample No	Lab Sample ID	Collection Date	
MW-2	1204168-01	4/2/2012	
MW-3	1204168-02	4/2/2012	
MW-3	1204168-02M <del>S</del>	4/2/2012	
MW-3	1204168-02M <del>S</del>	4/2/2012	
MW-4	1204168-03	4/2/2012	
MW-5R	1204168-04	4/2/2012	
MW-10	1204168-05	4/2/2012	
MW-12	1204168-06	4/2/2012	
MW-12	1204168-06M <del>S</del>	4/2/2012	
MW-12	1204168-06M <del>S</del>	4/2/2012	
MW-20	1204168-07	4/2/2012	
MW-21	1204168-08	4/2/2012	
MW-23	1204168-09	4/2/2012	
MW-23	1204168-09M <del>S</del>	4/2/2012	
MW-23	1204168-09M <del>S</del>	4/2/2012	
MW-26R	1204168-10	4/2/2012	
field Blank Dup	1204168-11	4/2/2012	
Field Blank Dup	1204168-12	4/2/2012	

Were ICP interelement corrections applied? Yes/No No  
 Were ICP background corrections applied? Yes/No Yes  
 If yes-were raw data generated before application of background corrections? Yes/No No

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Name: Patty Els  
 Title: Quality Assurance Officer

## EQS Form

2A

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AInitial Calibration Source: ICV-C4281-8Continuing Calibration Source: CCV1-C4281-23 CCV2-C4281-35

Concentration Units: ug/L

Analyte	Wave- Length	Initial Calibration			Continuing Calibration					M
		True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	
Arsenic	188.98	1000	983	98.3	1000	1090	109	1040	104	P
Barium	233.53	1000	965	96.5	1000	1030	103	980	97.9	P
Cadmium	226.5	1000	983	98.3	1000	1060	106	1000	100	P
Chromium	267.71	1000	977	97.7	1000	1040	104	987	98.7	P
Copper	327.39	1000	984	98.3	1000	1060	106	1010	101	P
Lead	220.35	1000	972	97.2	1000	1050	105	986	98.7	P
Nickel	231.6	1000	990	99.0	1000	1060	106	996	99.6	P
Selenium	196.03	1000	972	97.3	1000	1070	107	1010	101	P
Silver	328.06	1000	994	99.4	1000	1060	106	1010	101	P

(1) Control Limits: Mercury 80-120%; Other Metals 90-110%.

# - Value outside of Control Limits

## EQS Form

2A

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AInitial Calibration Source: ICV-C4281-8Continuing Calibration Source: CCV3-C4281-36 CCV4-C4281-37

Concentration Units: ug/L

Analyte	Wave- Length	Initial Calibration			Continuing Calibration					M
		True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	
Arsenic	188.98				1000	1050	105	1060	106	P
Barium	233.53				1000	984	98.4	984	98.4	P
Cadmium	226.5				1000	1010	101	1020	102	P
Chromium	267.71				1000	991	99.1	993	99.3	P
Copper	327.39				1000	1010	101	1010	101	P
Lead	220.35				1000	997	99.7	1000	100	P
Nickel	231.6				1000	1000	100	1010	101	P
Selenium	196.03				1000	1010	101	1020	102	P
Silver	328.06				1000	1010	101	1020	102	P

(1) Control Limits: Mercury 80-120%; Other Metals 90-110%.

# - Value outside of Control Limits

## EQS Form

2A

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AInitial Calibration Source: ICV-C4281-8Continuing Calibration Source: CCV5-C4281-49 -

Concentration Units: ug/L

Analyte	Wave- Length	Initial Calibration			Continuing Calibration					M
		True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	
Arsenic	188.98				1000	1000	100			P
Barium	233.53				1000	946	94.6			P
Cadmium	226.5				1000	969	96.9			P
Chromium	267.71				1000	948	94.8			P
Copper	327.39				1000	974	97.4			P
Lead	220.35				1000	952	95.2			P
Nickel	231.6				1000	959	95.9			P
Selenium	196.03				1000	963	96.3			P
Silver	328.06				1000	968	96.8			P

(1) Control Limits: Mercury 80-120%; Other Metals 90-110%.

# - Value outside of Control Limits



EQS Form  
2B  
CRDL STANDARD FOR AA AND ICP

Lab Name: Environmental Quality Services, Inc. Contract: WYANDANC  
 Lab Code: EQS Case No.: N/A SAS No: N/A SDG No: N/A  
 AA CRDL Standard Source: \_\_\_\_\_  
 ICP CRDL Standard Source: C4281-10 C4281-44

Concentration Units:ug/L

Analyte	Wave- Length	CRDL Standard for AA			CRDL Standard for ICP					M
		True	Found	%R	Initial			Final		
					True	Found	%R	Found	%R	
Chromium	267.71				5.00	5.00	100	6.10	122	P
Copper	327.39				5.00	4.90	98.0	4.90	98.0	P
Nickel	231.6				10.0	12.7	127	13.6	136	P

Control Limits: No limits have been established by the EPA at this time

CRDL Criteria: Must be analyzed at 2x CRDL (or 2x IDL when IDL>CRDL) for each element.  
 Except: Al, Ba, Ca, Fe, Mg, Na, K.

## EQS Form

3

## BLANKS

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/APreparation Blank Matrix (soil/water): WaterICB ID: C4281-9Preparation Blank Concentration Units (ug/L or mg/kg): ug/LPrep Blank ID: C4281-13 [202546]Prep Blank Date: 04/19/12

Analyte	Wave- Length	Initial Calib. Blank	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
				CCB1 C4281-24	C	CCB2 C4281-38	C	CCB3 C4281-50	C			
Chromium	267.71	1.19	U	1.19	U	1.19	U	1.19	U	2.60	B	P
Copper	327.39	3.35	U	3.35	U	3.60	B	3.35	U	3.35	U	P
Nickel	231.6	1.42	U	1.42	U	1.42	U	1.42	U	1.60	B	P

QC Criteria: Each element must be <CRQL or <MDL, where the sample concentration is <10x the Preparation Blank concentration

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

EQS Form

3

BLANKS

Lab Name: Environmental Quality Services, Inc.

Contract: WYANDANC

Lab Code: EQS Case No.: N/A

SAS No: N/A

SDG No: N/A

Preparation Blank Matrix (soil/water): \_\_\_\_\_

ICB ID: C4281-9

Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

Prep Blank ID: \_\_\_\_\_

Prep Blank Date: \_\_\_\_\_

Analyte	Wave- Length	Initial Calib. Blank	C	Continuing Calibration Blank (ug/L)				Prepa- ration Blank	C	M
				CCB4 C4281-51	C		C			
Chromium	267.71			1.19	U					P
Copper	327.39			3.35	U					P
Nickel	231.6			1.42	U					P

QC Criteria: Each element must be <CRQL or <MDL, where the sample concentration is <10x the Preparation Blank concentration

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

## ICP INTERFERENCE CHECK SAMPLE

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AICP ID Number: CInitial File ID: C4281-11 C4281-12 Final File ID: C4281-45 C4281-46

Concentration Units: ug/L

Analyte	Wave- Length	True		Initial Found				Final Found			
		Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	237.31	100000		111000	111			114000	114		
Antimony	206.84		1000	-7.8		1010	101	-4.1		1000	100
Arsenic	188.98		1000	20.5		1080	108	15.6		1110	111
Barium	233.53		1000	-0.1		982	98.2	0.100		974	97.3
Beryllium	313.16		1000	0.30		1040	104	0.70		1050	105
Cadmium	226.5		1000	-0.1		1010	101	0.40		1000	100
Calcium	317.93	100000		119000	119			114000	114		
Chromium	267.71		1000	2.00		1030	103	2.00		1020	102
Cobalt	228.61		1000	-0.9		1010	101	-0.8		1000	100
Copper	327.39		1000	3.90		1030	103	0.90		1040	104
Iron	238.21	100000		97900	97.9			97500	97.5		
Lead	220.35		1000	2.10		1010	101	7.70		1010	101
Magnesium	279.07	100000		99400	99.4			104000	104		
Nickel	231.6		1000	9.60		974	97.4	9.60		965	96.5
Selenium	196.03		1000	12.4		1060	106	20.3		1050	105
Silver	328.06		1000	-4.2		1020	102	-4.8		1020	102
Thallium	351.92		1000	6.10		1110	111	6.20		1120	112
Zinc	206.2		1000	-5.9		966	96.6	-6		959	95.9

Control Limits: 80-120%

# - Value outside of Control Limits.

## SPIKE SAMPLE RECOVERY

1204168-02MS

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): Low% Solids for Sample: NAPrepDate: 04/19/12Date Received: 04/12/12Sample File ID: C4281-16 MS File ID: C4281-17Concentration Units (ug/L or mg/kg, dry weight): ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (MS)	C	Sample Result (S)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	200		11.6		200	94.0		P
Copper	327.39	75-125	302		77.5		250	90.0		P
Nickel	231.6	75-125	566		110		500	91.2		P

QC Criteria: 75-125%, when sample concentration is &lt;4x the spike value.

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL..

N - Spike Recovery did not meet QC Criteria.

Comments:

---



---



---



---

## SPIKE SAMPLE RECOVERY

1204168-06MS

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): Low% Solids for Sample: NAPrepDate: 04/19/12Date Received: 04/12/12Sample File ID: C4281-25 MS File ID: C4281-26

Concentration Units (ug/L or mg/kg, dry weight): ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (MS)	C	Sample Result (S)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	247		45.3		200	101		P
Copper	327.39	75-125	1090		828		250	107		P
Nickel	231.6	75-125	609		1730		500	0.0	N	P

QC Criteria: 75-125%, when sample concentration is &lt;4x the spike value.

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL..

N - Spike Recovery did not meet QC Criteria.

Comments:

---



---



---



---

## POST DIGEST SPIKE SAMPLE RECOVERY

1204168-2PSPK

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): Low% Solids for Sample: NAPrepDate: 04/19/12Sample File ID: 0- PS File ID: C4281-19

Concentration Units: ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	2130		1.19	U	2000	106		P
Copper	327.39	75-125	2200		3.35	U	2000	110		P
Nickel	231.6	75-125	2170		1.42	U	2000	109		P

Control Limits: 75-125%

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

N - Post Spike Recovery not within Control Limits.

Comments:

---



---



---

POST DIGEST SPIKE SAMPLE RECOVERY

1204168-06PSP

Lab Name: Environmental Quality Services, Inc.

Contract: WYANDANC

Lab Code: EQS Case No.: N/A

SAS No: N/A

SDG No: N/A

Matrix (soil/water): Water

Level (low/mid): Low

% Solids for Sample: NA

PrepDate: 04/19/12

Sample File ID: C4281-25 PS File ID: C4281-28

Concentration Units: ug/L

Analyte	Wave- Length	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium	267.71	75-125	1960		45.3		2000	95.5		P
Copper	327.39	75-125	2550		828		2000	86.1		P
Nickel	231.6	75-125	3180		1730		2000	72.3	N	P

Control Limits: 75-125%

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

N - Post Spike Recovery not within Control Limits.

Comments:

---



---



---



EQS Form  
6  
DUPLICATES

EPA SAMPLE NO.

1204168-02MSD

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Matrix (soil/water): Water  
 % Solids for Sample: NA  
 Sample File ID: C4281-17

Contract: WYANDANC  
 SAS No: N/A SDG No: N/A  
 Level (low/mid): Low  
 % Solids for Duplicate: NA  
 Duplicate File ID: C4281-18

Concentration Units (ug/L or mg/kg, dry weight basis): ug/L

Analyte	Wave- Length	Control Limit	Sample (S)	C	Duplicate (D)	C	% RPD	Q	M
Chromium	267.71		200		210		5.00		P
Copper	327.39		302		323		7.00		P
Nickel	231.6		566		600		6.00		P

Control Limit: CRQL

QC Criteria: %RPD must be <20%, when the element is >5x CRQL, in both the sample and the duplicate.

\* - Duplicate analysis did not meet QC Criteria.

Soil Concentration unit = mg/kg, dry weight basis

PART VI - IN

00251

EQS Form  
6  
DUPLICATES

EPA SAMPLE NO.

1204168-06MSD

Lab Name: Environmental Quality Services, Inc.

Contract: WYANDANC

Lab Code: EQS Case No.: N/A

SAS No: N/A

SDG No: N/A

Matrix (soil/water): Water

Level (low/mid): Low

% Solids for Sample: NA

% Solids for Duplicate: NA

Sample File ID: C4281-26

Duplicate File ID: C4281-27

Concentration Units (ug/L or mg/kg, dry weight basis): ug/L

Analyte	Wave- Length	Control Limit	Sample (S)	C	Duplicate (D)	C	% RPD	Q	M
Chromium	267.71		247		244		1.00		P
Copper	327.39		1090		1090		1.00		P
Nickel	231.6		609		614		1.00		P

Control Limit: CRQL

QC Criteria: %RPD must be <20%, when the element is >5x CRQL, in both the sample and the duplicate.

\* - Duplicate analysis did not meet QC Criteria.

Soil Concentration unit = mg/kg, dry weight basis

PART VI - IN

00252

## LABORATORY CONTROL SAMPLE

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/A

Solid LCS Source: \_\_\_\_\_

Aqueous LCS Source: \_\_\_\_\_

LCS File ID: C4281-14

Analyte	Wave- Length	Aqueous (ug/L)				Solid (mg/kg)				
		True	Found	%R	Q	True	Found	Q	Limits	%R
Chromium	267.71	500	590	118						
Copper	327.39	500	607	121	#					
Nickel	231.6	500	597	119						

Water QC Limits: 80-120%

Soil QC Limits: EPA Soil Standard Limits listed above.

# - Value outside of the Control Limits

## EQS Form

8

EPA SAMPLE NO.

## ICP SERIAL DILUTIONS

1204247-01DIL

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQS Case No.: N/ASAS No: N/ASDG No: N/AMatrix (soil/water): WaterLevel (low/mid): LowInitial File ID: C4281-39Sample Diluted: 1204247-01DILDILUTED File ID: C4281-42Concentration Units: ug/L

Analyte	Wave- Length	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differer- ence	Q	M
Chromium	267.71	17.5		17.5		-		P
Copper	327.39	112		118		5.55		P
Nickel	231.6	4.20	B	7.10	B	16.67		P

Control Limit: 50x MDL.

QC Criteria: %Difference must be &lt;10%, when the element is &gt;50x MDL.

U - the analyte was analyzed for but not detected.

B - the reported value was less than the CRQL but greater than or equal to the MDL.

# - Value did not meet QC criteria.

Soil Concentration Unit = mg/kg, wet weight basis

## INSTRUMENT DETECTION LIMITS (ANNUALLY)

Lab Name: Environmental Quality Services, Inc.Contract: WYANDANCLab Code: EQSCase No.: N/ASAS No: N/ASDG No: N/AICP ID Number: CDate: 10/20/2011

Flame AA ID Number: \_\_\_\_\_

Furnace AA ID Number: \_\_\_\_\_

Analyte	Wave-length (nm)	Back-ground	CRQL (mg/Kg)	CRQL (ug/L)	MDL (mg/Kg)	MDL (ug/L)	M
Chromium	267.73	4200	1.00	5.00	0.12	1.19	P
Copper	327.41	5600	0.50	5.00	0.33	3.35	P
Nickel	231.62	1900	4.00	10.0	0.14	1.42	P

Comments:

---



---



---



---

EQS Form  
11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Environmental Quality Services, Inc. Contract: WYANDANC  
 Lab Code: EQS Case No.: N/A SAS No: N/A SDG No: N/A  
 ICP ID Number: C Date: 10/08/2011

Analyte	Wave-length (nm)	Interelemental Correction Factors for:				
		Al	Ca	Fe	Mg	Na
Chromium	267.73	0	0	-0.0206409	0.0208069	-0.0019191
Copper	327.41	-0.0202089	-0.0521238	-0.0761475	-0.0349561	-0.289302
Nickel	231.62	-0.0187133	-0.0141583	-0.012662	-0.02028	-0.0010614

Comments:

---



---



---



---

ICP LINEAR RANGES (SEMIANNUALLY)

Lab Name: Environmental Quality Services, Inc.

Contract: WYANDANC

Lab Code: EQS

Case No.: N/A

SAS No: N/A

SDG No: N/A

ICP ID Number: C

Date: 10/23/2011

Analyte	Wave-Length	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	267.73	65.0	100000	P
Copper	327.41	65.0	200000	P
Nickel	231.62	65.0	100000	P

Comments:

---

---

---

---

EQS Form  
14  
ANALYSIS RUN LOG

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Instrument ID Number: C4281  
 Start Date: 4/23/2012 10:24:45 AM

Contract: SCDPW  
 SAS No: N/A SDG No: N/A  
 Method: ICP  
 End Date: 4/23/2012 1:49:10 PM

EPA Sample No.	Prep ID	Time	Matrix	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N			
Calib Blank	(1)	11:42	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 1	(2)	09:38	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 2	(3)	09:42	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 3	(4)	09:46	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 4	(5)	09:50	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 5	(6)	09:54	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
Calib Std 6	(7)	09:56	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICV	(8)	09:59	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICB	(9)	10:03	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CRI	(10)	10:11	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICSA	(11)	10:15	L	Al						Ca				Fe	Mg														
ICSAB	(12)	10:19	L				Ba	Be	Cd		Cr	Co	Cu		Pb	Mn	Ni			Ag			V	Zn					
PBW 04/19/12	202546	10:24	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
LCSW 04/19/12	202547	10:29	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1204168-01	202548	10:34	L															Ni											
1204168-02	202549	10:39	L															Ni											
1204168-02MS	202550	10:44	L															Ni											
1204168-02MSD	202551	10:49	L															Ni											
1204168-2PSPK	202549	10:54	L																										
1204168-03	202552	11:00	L															Ni											
1204168-04	202554	11:06	L															Ni											
1204168-05	202555	11:10	L								Cr		Cu					Ni											
CCV1	(23)	11:16	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCB1	(24)	11:21	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1204168-06	202556	11:27	L								Cr		Cu					Ni											
1204168-06MS	202557	11:32	L								Cr		Cu					Ni											
1204168-06MSD	202558	11:37	L								Cr		Cu					Ni											
1204168-06PSP	202556	11:42	L																										
1204168-10	202559	11:48	L								Cr		Cu					Ni											
1204168-11	202560	11:53	L								Cr		Cu																
1204168-12	202561	11:59	L															Ni											
1204187-05	202562	12:04	L																										
1204187-08	202563	12:09	L																										
1204202-01	202564	12:13	L									Co																	
CCV2	(35)	12:19	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCV3	(36)	12:24	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCV4	(37)	12:29	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				



EQS Form  
14  
ANALYSIS RUN LOG

Lab Name: Environmental Quality Services, Inc.  
 Lab Code: EQS Case No.: N/A  
 Instrument ID Number: C4281  
 Start Date: 4/23/2012 10:24:45 AM

Contract: SCDPW  
 SAS No: N/A SDG No: N/A  
 Method: ICP  
 End Date: 4/23/2012 1:49:10 PM

EPA Sample No.	Prep ID	Time	Matrix	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N			
CCB2	(38)	12:33	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
1204247-01	202565	12:38	L																						Zn				
1204238-01	202566	12:43	L								Cr		Cu					Ni											
1204247-01DUP	202568	12:48	L																										
1204247-01DIL	202568	12:53	L																										
1204255-01	202569	12:59	TCLP			As	Ba		Cd		Cr				Pb					Se	Ag								
CRJ	(44)	13:05	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
ICSA	(45)	13:09	L	Al						Ca				Fe		Mg													
ICSAB	(46)	13:13	L				Ba	Be	Cd		Cr	Co	Cu		Pb		Mn	Ni			Ag			V	Zn				
1204187-05	202562	13:18	L		Sb	As		Be	Cd		Cr		Cu		Pb			Ni		Se	Ag		Tl		Zn				
1204187-08	202563	13:25	L		Sb	As		Be	Cd		Cr		Cu		Pb			Ni		Se	Ag		Tl		Zn				
CCV5	(49)	13:30	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCB3	(50)	13:40	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				
CCB4	(51)	13:49	L	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn				

# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Raw QC Data**

*Environmental Quality Services, Inc.*

Analysis Begun

Start Time: 4/23/2012 9:36:02 AM  
Logged In Analyst: Chemist  
Spectrometer Model: Optima 4300 DV, S/N 077N2010401

Plasma On Time: 4/23/2012 8:41:52 AM  
Technique: ICP Continuous  
Autosampler Model: AS-90

Sample Information File: U:\SEQUENCE\C\4281.SIF  
Batch ID: C4281  
Results Data Set: C4281  
Results Library: U:\Data\C\Results.mdb

Method Loaded  
Method Name: TCL7000 - 2010f ``C``  
IEC File: IEC100810.iec  
Method Description: ETL TCL7000

Method Last Saved: 4/23/2012 9:24:18 AM  
MSF File:

Sequence No.: 1  
Sample ID: Calib Blank 1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 1  
Date Collected: 4/23/2012 9:36:03 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	494142.2	1.00 mg/L	0.004			0.40%
Y 360.073	246921.8	1.00 mg/L	0.004			0.42%
Ag 328.068†	-1278.0	[0.00] mg/L	0.0000	mg/L		6.22%
Al 237.313†	1396.1	[0.00] mg/L	0.0000	mg/L		0.71%
As 188.979†	-22.7	[0.00] mg/L	0.0000	mg/L		18.50%
Ba 233.527†	-179.6	[0.00] mg/L	0.0000	mg/L		3.66%
Be 313.107†	-7216.1	[0.00] mg/L	0.0000	mg/L		1.36%
Ca 317.933†	-40.8	[0.00] mg/L	0.0000	mg/L		3.20%
Cd 226.502†	-137.9	[0.00] mg/L	0.0000	mg/L		3.83%
Co 228.616†	-195.2	[0.00] mg/L	0.0000	mg/L		0.91%
Cr 267.716†	2160.6	[0.00] mg/L	0.0000	mg/L		3.47%
Cu 327.393†	-8770.8	[0.00] mg/L	0.0000	mg/L		0.03%
Fe 238.204†	104.4	[0.00] mg/L	0.0000	mg/L		3.45%
Mg 279.077†	-25.7	[0.00] mg/L	0.0000	mg/L		4.11%
Ni 231.604†	314.2	[0.00] mg/L	0.0000	mg/L		1.52%
Pb 220.353†	218.3	[0.00] mg/L	0.0000	mg/L		7.11%
Sb 206.836†	87.1	[0.00] mg/L	0.0000	mg/L		2.57%
Se 196.026†	15.5	[0.00] mg/L	0.0000	mg/L		9.57%
Sn 189.927†	33.1	[0.00] mg/L	0.0000	mg/L		14.52%
Zn 206.200†	84.4	[0.00] mg/L	0.0000	mg/L		7.39%
Tl 351.924†	-475.4	[0.00] mg/L	0.0000	mg/L		11.39%

Sequence No.: 2  
Sample ID: Calib Std 1  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 2  
Date Collected: 4/23/2012 9:40:40 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units
Sc 361.383	524886.3	649.32	0.12%	1.06 mg/L
Y 360.073	262939.4	238.49	0.09%	1.06 mg/L
Ag 328.068†	19236.8	42.33	0.22%	[0.10] mg/L
As 188.979†	105.9	1.30	1.23%	[0.10] mg/L
Ba 233.527†	10195.8	15.51	0.15%	[0.10] mg/L
Be 313.107†	220079.0	178.41	0.08%	[0.10] mg/L
Cd 226.502†	8015.6	30.80	0.38%	[0.10] mg/L
Co 228.616†	2295.5	6.84	0.30%	[0.10] mg/L
Cr 267.716†	10268.2	41.96	0.41%	[0.10] mg/L
Cu 327.393†	13252.3	35.70	0.27%	[0.10] mg/L
Ni 231.604†	4112.6	7.58	0.18%	[0.10] mg/L

Pb 220.353†	793.2	1.77	0.22%	[0.10]	mg/L
Sb 206.836†	215.4	4.02	1.86%	[0.10]	mg/L
Se 196.026†	116.5	3.23	2.78%	[0.10]	mg/L
Zn 206.200†	4938.7	6.16	0.12%	[0.10]	mg/L
Tl 351.924†	520.0	3.56	0.68%	[0.10]	mg/L

Sequence No.: 3  
 Sample ID: Calib Std 2  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 3  
 Date Collected: 4/23/2012 9:43:46 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	523063.0	1895.63	0.36%	1.06	mg/L
Y 360.073	259856.8	1142.04	0.44%	1.05	mg/L
Ag 328.068†	238650.2	1163.74	0.49%	[1.00]	mg/L
Al 237.313†	5682.1	9.35	0.16%	[1.00]	mg/L
As 188.979†	1303.9	2.23	0.17%	[1.00]	mg/L
Ba 233.527†	112649.5	782.00	0.69%	[1.00]	mg/L
Be 313.107†	2677439.0	9556.98	0.36%	[1.00]	mg/L
Ca 317.933†	3774.5	47.90	1.27%	[1.00]	mg/L
Cd 226.502†	94066.0	954.80	1.02%	[1.00]	mg/L
Co 228.616†	28410.5	14.27	0.05%	[1.00]	mg/L
Cr 267.716†	126436.5	900.90	0.71%	[1.00]	mg/L
Cu 327.393†	141998.7	541.16	0.38%	[1.00]	mg/L
Ni 231.604†	47458.5	369.74	0.78%	[1.00]	mg/L
Pb 220.353†	9523.6	9.67	0.10%	[1.00]	mg/L
Sb 206.836†	2692.6	2.19	0.08%	[1.00]	mg/L
Se 196.026†	1370.0	2.67	0.19%	[1.00]	mg/L
Zn 206.200†	48452.4	535.33	1.10%	[1.00]	mg/L
Tl 351.924†	5806.3	83.40	1.44%	[1.00]	mg/L

Sequence No.: 4  
 Sample ID: Calib Std 3  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 4  
 Date Collected: 4/23/2012 9:47:48 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 361.383	527744.5	2258.40	0.43%	1.07	mg/L
Y 360.073	261989.0	1139.77	0.44%	1.06	mg/L
Ag 328.068†	466845.6	2742.62	0.59%	[2.00]	mg/L
Al 237.313†	11198.0	110.13	0.98%	[2.00]	mg/L
As 188.979†	2611.0	9.07	0.35%	[2.00]	mg/L
Ba 233.527†	221450.1	1313.67	0.59%	[2.00]	mg/L
Be 313.107†	5266496.3	54481.47	1.03%	[2.00]	mg/L
Ca 317.933†	7116.4	1.05	0.01%	[2.00]	mg/L
Cd 226.502†	186324.2	1211.15	0.65%	[2.00]	mg/L
Co 228.616†	53481.8	382.34	0.71%	[2.00]	mg/L
Cr 267.716†	248494.7	1506.20	0.61%	[2.00]	mg/L
Cu 327.393†	279352.8	1584.42	0.57%	[2.00]	mg/L
Ni 231.604†	93162.8	596.22	0.64%	[2.00]	mg/L
Pb 220.353†	18726.1	15.96	0.09%	[2.00]	mg/L
Sb 206.836†	5409.6	20.18	0.37%	[2.00]	mg/L
Se 196.026†	2755.5	2.07	0.08%	[2.00]	mg/L
Zn 206.200†	96129.6	690.90	0.72%	[2.00]	mg/L
Tl 351.924†	11506.3	65.86	0.57%	[2.00]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 4/23/2012 9:52:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 4

Table with 6 columns: Analyte, Mean Corrected Intensity, Std.Dev., RSD, Conc., Calib Units. Rows include Sc 361.383, Y 360.073, Sn 189.927†.

Sequence No.: 6
Sample ID: Calib Std 5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 4/23/2012 9:54:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 5

Table with 6 columns: Analyte, Mean Corrected Intensity, Std.Dev., RSD, Conc., Calib Units. Rows include Sc 361.383, Y 360.073, Fe 238.204†, Mg 279.077†.

Sequence No.: 7
Sample ID: Calib Std 6
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 4/23/2012 9:57:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Std 6

Table with 6 columns: Analyte, Mean Corrected Intensity, Std.Dev., RSD, Conc., Calib Units. Rows include Sc 361.383, Y 360.073, Fe 238.204†, Mg 279.077†.

Calibration Summary

Table with 8 columns: Analyte, Stds., Equation, Intercept, Slope, Curvature, Corr. Coef., Reslope. Lists calibration data for various elements like Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Ni, Pb, Sb, Se, Sn, Tl, Zn.

Sequence No.: 8  
 Sample ID: ICV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 4/23/2012 10:00:34 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	523938.5	1.06	mg/L	0.000			0.00%
Y 360.073	261300.1	1.06	mg/L	0.001			0.11%
Ag 328.068†	233000.9	0.994	mg/L	0.0002	0.994	mg/L	0.0002 0.02%
QC value within limits for Ag 328.068 Recovery = 99.42%							
Al 237.313†	5563.6	0.989	mg/L	0.0021	0.989	mg/L	0.0021 0.21%
QC value within limits for Al 237.313 Recovery = 98.93%							
As 188.979†	1285.1	0.983	mg/L	0.0088	0.983	mg/L	0.0088 0.89%
QC value within limits for As 188.979 Recovery = 98.29%							
Ba 233.527†	107171.2	0.965	mg/L	0.0011	0.965	mg/L	0.0011 0.11%
QC value within limits for Ba 233.527 Recovery = 96.48%							
Be 313.107†	2617696.7	0.991	mg/L	0.0043	0.991	mg/L	0.0043 0.44%
QC value within limits for Be 313.107 Recovery = 99.11%							
Ca 317.933†	43255.2	12.012	mg/L	0.08	12.012	mg/L	0.08 0.63%
QC value within limits for Ca 317.933 Recovery = 109.2%							
Cd 226.502†	91776.2	0.983	mg/L	0.0029	0.983	mg/L	0.0029 0.30%
QC value within limits for Cd 226.502 Recovery = 98.3%							
Co 228.616†	27136.2	1.003	mg/L	0.009	1.003	mg/L	0.009 0.87%
QC value within limits for Co 228.616 Recovery = 100.28%							
Cr 267.716†	121779.9	0.977	mg/L	0.0013	0.977	mg/L	0.0013 0.13%
QC value within limits for Cr 267.716 Recovery = 97.7%							
Cu 327.393†	137813.7	0.984	mg/L	0.0005	0.984	mg/L	0.0005 0.05%
QC value within limits for Cu 327.393 Recovery = 98.35%							
Fe 238.204†	731.0	0.912	mg/L	0.0096	0.912	mg/L	0.0096 1.08%
QC value within limits for Fe 238.204 Recovery = 91.2%							
Mg 279.077†	281.3	0.92	mg/L	0.0116	0.92	mg/L	0.0116 1.25%
QC value within limits for Mg 279.077 Recovery = 91.99%							
Ni 231.604†	46271.8	0.99	mg/L	0.0021	0.99	mg/L	0.0021 0.21%
QC value within limits for Ni 231.604 Recovery = 98.99%							
Pb 220.353†	9125.6	0.972	mg/L	0.0117	0.972	mg/L	0.0117 1.20%
QC value within limits for Pb 220.353 Recovery = 97.2%							
Sb 206.836†	2578.3	0.955	mg/L	0.0071	0.955	mg/L	0.0071 0.75%
QC value within limits for Sb 206.836 Recovery = 95.47%							
Se 196.026†	1343.2	0.973	mg/L	0.0166	0.973	mg/L	0.0166 1.71%
QC value within limits for Se 196.026 Recovery = 97.25%							
Sn 189.927†	4508.4	1.035	mg/L	0.016	1.035	mg/L	0.016 1.17%
QC value within limits for Sn 189.927 Recovery = 103.49%							
Zn 206.200†	45570.1	0.947	mg/L	0.0034	0.947	mg/L	0.0034 0.36%
QC value within limits for Zn 206.200 Recovery = 94.72%							
Tl 351.924†	5724.2	0.991	mg/L	0.0073	0.991	mg/L	0.0073 0.74%
QC value within limits for Tl 351.924 Recovery = 99.14%							

All analyte(s) passed QC.

Sequence No.: 9  
 Sample ID: ICB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 4/23/2012 10:08:46 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	515142.2	1.04	mg/L	0.001			0.14%
Y 360.073	258844.3	1.05	mg/L	0.001			0.14%
Ag 328.068†	75.7	0.000	mg/L	0.0006	0	mg/L	0.0006 201.39%
QC value within limits for Ag 328.068 Recovery = Not calculated							

Al 237.313†	24.3	0.004 mg/L	0.0034	0.004 mg/L	0.0034	78.76%
As 188.979†	-0.9	-0.001 mg/L	0.0012	-0.001 mg/L	0.0012	172.79%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	37.8	0.000 mg/L	0.0001	0 mg/L	0.0001	18.49%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	574.2	0.000 mg/L	0.0000	0 mg/L	0.0000	0.60%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	24.8	0.007 mg/L	0.0005	0.007 mg/L	0.0005	6.84%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 226.502†	17.5	0.000 mg/L	0.0001	0 mg/L	0.0001	66.42%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	10.0	0.000 mg/L	0.0003	0 mg/L	0.0003	69.04%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-9.0	0.000 mg/L	0.0003	0 mg/L	0.0003	378.64%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	19.1	0.000 mg/L	0.0008	0 mg/L	0.0008	557.65%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-0.4	-0.001 mg/L	0.0058	-0.001 mg/L	0.0058	179.76%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	11.4	0.037 mg/L	0.0052	0.037 mg/L	0.0052	14.11%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	-3.6	0.000 mg/L	0.0001	0 mg/L	0.0001	172.58%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	6.8	0.001 mg/L	0.0004	0.001 mg/L	0.0004	57.04%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-5.1	-0.002 mg/L	0.0010	-0.002 mg/L	0.0010	50.02%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	2.8	0.002 mg/L	0.0000	0.002 mg/L	0.0000	1.36%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-4.2	-0.001 mg/L	0.0007	-0.001 mg/L	0.0007	71.97%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	14.4	0.000 mg/L	0.0002	0 mg/L	0.0002	58.49%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	-3.4	-0.001 mg/L	0.0011	-0.001 mg/L	0.0011	191.47%
QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 10  
 Sample ID: CRI  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 9  
 Date Collected: 4/23/2012 10:13:01 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected		Calib		Sample		RSD	
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units		
Sc 361.383	549647.0	1.11	mg/L	0.004			0.32%	
Y 360.073	277604.1	1.12	mg/L	0.003			0.28%	
Ag 328.068†	1195.2	0.005	mg/L	0.0001	0.005	mg/L	0.0001	2.27%
QC value within limits for Ag 328.068 Recovery = 102%								
Al 237.313†	571.5	0.102	mg/L	0.0010	0.102	mg/L	0.0010	1.00%
QC value within limits for Al 237.313 Recovery = 101.7%								
As 188.979†	69.8	0.054	mg/L	0.0004	0.054	mg/L	0.0004	0.79%
QC value within limits for As 188.979 Recovery = 107%								
Ba 233.527†	599.7	0.005	mg/L	0.0000	0.005	mg/L	0.0000	0.20%
QC value within limits for Ba 233.527 Recovery = 108%								
Be 313.107†	13734.1	0.005	mg/L	0.0000	0.005	mg/L	0.0000	0.30%
QC value within limits for Be 313.107 Recovery = 104%								
Ca 317.933†	239.0	0.066	mg/L	0.0006	0.066	mg/L	0.0006	0.94%
QC value greater then the upper limit for Ca 317.933 Recovery = 132.8%								
Cd 226.502†	457.7	0.005	mg/L	0.0001	0.005	mg/L	0.0001	2.46%
QC value within limits for Cd 226.502 Recovery = 98%								
Co 228.616†	154.2	0.006	mg/L	0.0001	0.006	mg/L	0.0001	1.64%
QC value within limits for Co 228.616 Recovery = 114%								

Cr 267.716†	623.3	0.005 mg/L	0.0002	0.005 mg/L	0.0002	3.52%
QC value within limits for Cr 267.716 Recovery = 100%						
Cu 327.393†	679.6	0.005 mg/L	0.0001	0.005 mg/L	0.0001	0.94%
QC value within limits for Cu 327.393 Recovery = 97%						
Fe 238.204†	9.9	0.012 mg/L	0.0020	0.012 mg/L	0.0020	8.55%
QC value within limits for Fe 238.204 Recovery = 82.4%						
Mg 279.077†	19.8	0.065 mg/L	0.0180	0.065 mg/L	0.0180	27.78%
QC value within limits for Mg 279.077 Recovery = 129.2%						
Ni 231.604†	593.7	0.013 mg/L	0.0001	0.013 mg/L	0.0001	0.50%
QC value within limits for Ni 231.604 Recovery = 127%						
Pb 220.353†	67.8	0.007 mg/L	0.0008	0.007 mg/L	0.0008	11.17%
QC value within limits for Pb 220.353 Recovery = 72%						
Sb 206.836†	125.1	0.046 mg/L	0.0012	0.046 mg/L	0.0012	2.68%
QC value within limits for Sb 206.836 Recovery = 92.6%						
Se 196.026†	68.0	0.049 mg/L	0.0006	0.049 mg/L	0.0006	1.14%
QC value within limits for Se 196.026 Recovery = 98.8%						
Sn 189.927†	-55.0	-0.013 mg/L	0.0013	-0.013 mg/L	0.0013	354.03%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	606.2	0.013 mg/L	0.0001	0.013 mg/L	0.0001	1.04%
QC value within limits for Zn 206.200 Recovery = 126%						
Tl 351.924†	358.0	0.062 mg/L	0.0101	0.062 mg/L	0.0101	16.26%
QC value within limits for Tl 351.924 Recovery = 124.2%						

QC Failed. Continue with analysis.

Sequence No.: 11  
 Sample ID: ICSA  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 10  
 Date Collected: 4/23/2012 10:17:37 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	499406.9	1.01 mg/L	0.003			0.33%
Y 360.073	248501.4	1.01 mg/L	0.003			0.30%
Ag 328.068†	-109.1	-0.004 mg/L	0.0002	-0.004 mg/L	0.0002	0.74%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	625907.1	111.104 mg/L	0.5	111.104 mg/L	0.5	0.47%
QC value within limits for Al 237.313 Recovery = 111.1%						
As 188.979†	74.3	0.021 mg/L	0.0004	0.021 mg/L	0.0004	5.99%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	-596.1	0.000 mg/L	0.0000	0 mg/L	0.0000	1.94%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	636.4	0.000 mg/L	0.0000	0 mg/L	0.0000	14.34%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	428241.8	119.023 mg/L	1.7	119.023 mg/L	1.7	1.44%
QC value within limits for Ca 317.933 Recovery = 119.02%						
Cd 226.502†	-828.2	0.000 mg/L	0.0000	0 mg/L	0.0000	0.92%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	-118.6	-0.001 mg/L	0.0001	-0.001 mg/L	0.0001	2.52%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	619.4	0.002 mg/L	0.0002	0.002 mg/L	0.0002	0.89%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	1622.0	0.004 mg/L	0.0003	0.004 mg/L	0.0003	38.03%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	78535.7	97.887 mg/L	1.38	97.887 mg/L	1.38	1.41%
QC value within limits for Fe 238.204 Recovery = 97.89%						
Mg 279.077†	30497.8	99.371 mg/L	1.33	99.371 mg/L	1.33	1.34%
QC value within limits for Mg 279.077 Recovery = 99.37%						
Ni 231.604†	434.6	0.01 mg/L	0.0000	0.01 mg/L	0.0000	0.55%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	226.4	0.002 mg/L	0.0002	0.002 mg/L	0.0002	20.71%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-24.1	-0.008 mg/L	0.0050	-0.008 mg/L	0.0050	74.36%



QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	21.3	0.012 mg/L	0.0026	0.012 mg/L	0.0026	26.91%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	65.3	-0.014 mg/L	0.0001	-0.014 mg/L	0.0001	1.17%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	-946.6	-0.006 mg/L	0.0001	-0.006 mg/L	0.0001	0.70%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	281.5	0.006 mg/L	0.0073	0.006 mg/L	0.0073	21.22%
QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 12  
 Sample ID: ICSAB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 11  
 Date Collected: 4/23/2012 10:22:14 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	497229.2	1.01 mg/L	0.002			0.20%
Y 360.073	247687.4	1.00 mg/L	0.002			0.17%
Ag 328.068†	240764.4	1.024 mg/L	0.000	1.024 mg/L	0.000	0.02%
QC value within limits for Ag 328.068 Recovery = 102.35%						
Al 237.313†	634829.3	112.689 mg/L	0.3	112.689 mg/L	0.3	0.23%
QC value within limits for Al 237.313 Recovery = 112.69%						
As 188.979†	1456.2	1.079 mg/L	0.002	1.079 mg/L	0.002	0.23%
QC value within limits for As 188.979 Recovery = 107.94%						
Ba 233.527†	108477.9	0.982 mg/L	0.0021	0.982 mg/L	0.0021	0.21%
QC value within limits for Ba 233.527 Recovery = 98.18%						
Be 313.107†	2746958.6	1.04 mg/L	0.000	1.04 mg/L	0.000	0.04%
QC value within limits for Be 313.107 Recovery = 104.01%						
Ca 317.933†	426248.4	118.471 mg/L	0.7	118.471 mg/L	0.7	0.59%
QC value within limits for Ca 317.933 Recovery = 118.47%						
Cd 226.502†	93263.7	1.008 mg/L	0.002	1.008 mg/L	0.002	0.24%
QC value within limits for Cd 226.502 Recovery = 100.78%						
Co 228.616†	27229.9	1.01 mg/L	0.001	1.01 mg/L	0.001	0.06%
QC value within limits for Co 228.616 Recovery = 100.97%						
Cr 267.716†	129164.1	1.033 mg/L	0.002	1.033 mg/L	0.002	0.23%
QC value within limits for Cr 267.716 Recovery = 103.33%						
Cu 327.393†	145698.0	1.032 mg/L	0.000	1.032 mg/L	0.000	0.01%
QC value within limits for Cu 327.393 Recovery = 103.24%						
Fe 238.204†	79434.5	99.006 mg/L	0.60	99.006 mg/L	0.60	0.61%
QC value within limits for Fe 238.204 Recovery = 99.01%						
Mg 279.077†	30317.1	98.785 mg/L	0.64	98.785 mg/L	0.64	0.65%
QC value within limits for Mg 279.077 Recovery = 98.78%						
Ni 231.604†	45507.1	0.974 mg/L	0.0022	0.974 mg/L	0.0022	0.23%
QC value within limits for Ni 231.604 Recovery = 97.38%						
Pb 220.353†	9714.1	1.012 mg/L	0.002	1.012 mg/L	0.002	0.18%
QC value within limits for Pb 220.353 Recovery = 101.22%						
Sb 206.836†	2730.5	1.012 mg/L	0.001	1.012 mg/L	0.001	0.12%
QC value within limits for Sb 206.836 Recovery = 101.15%						
Se 196.026†	1458.4	1.056 mg/L	0.002	1.056 mg/L	0.002	0.15%
QC value within limits for Se 196.026 Recovery = 105.64%						
Sn 189.927†	64.8	-0.014 mg/L	0.0003	-0.014 mg/L	0.0003	1.00%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	45825.9	0.966 mg/L	0.0034	0.966 mg/L	0.0034	0.35%
QC value within limits for Zn 206.200 Recovery = 96.57%						
Tl 351.924†	6629.6	1.107 mg/L	0.006	1.107 mg/L	0.006	0.61%
QC value within limits for Tl 351.924 Recovery = 110.72%						

All analyte(s) passed QC.

Sequence No.: 13  
 Sample ID: PBW04/19/12[202546]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 12  
 Date Collected: 4/23/2012 10:27:04 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: PBW04/19/12[202546]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity				Conc. Units	Std.Dev.	
Sc 361.383	494867.9		1.00 mg/L	0.003			0.29%
Y 360.073	249703.5		1.01 mg/L	0.004			0.36%
Ag 328.068†	366.1	0.002	mg/L	0.0001	0.002 mg/L	0.0001	9.44%
Al 237.313†	193.9	0.035	mg/L	0.0027	0.035 mg/L	0.0027	7.92%
As 188.979†	8.5	0.007	mg/L	0.0025	0.007 mg/L	0.0025	37.58%
Ba 233.527†	350.7	0.003	mg/L	0.0000	0.003 mg/L	0.0000	0.94%
Be 313.107†	1748.3	0.001	mg/L	0.0001	0.001 mg/L	0.0001	12.11%
Ca 317.933†	368.6	0.102	mg/L	0.0020	0.102 mg/L	0.0020	1.94%
Cd 226.502†	28.4	0.000	mg/L	0.0002	0 mg/L	0.0002	51.72%
Co 228.616†	15.8	0.001	mg/L	0.0004	0.001 mg/L	0.0004	67.03%
Cr 267.716†	326.3	0.003	mg/L	0.0000	0.003 mg/L	0.0000	1.81%
Cu 327.393†	11.4	0.000	mg/L	0.0004	0 mg/L	0.0004	436.34%
Fe 238.204†	94.8	0.118	mg/L	0.0110	0.118 mg/L	0.0110	9.36%
Mg 279.077†	21.0	0.069	mg/L	0.0259	0.069 mg/L	0.0259	37.81%
Ni 231.604†	75.3	0.002	mg/L	0.0003	0.002 mg/L	0.0003	17.58%
Pb 220.353†	18.0	0.002	mg/L	0.0005	0.002 mg/L	0.0005	24.71%
Sb 206.836†	7.3	0.003	mg/L	0.0020	0.003 mg/L	0.0020	74.04%
Se 196.026†	-6.9	-0.005	mg/L	0.0176	-0.005 mg/L	0.0176	347.83%
Sn 189.927†	-5.0	-0.001	mg/L	0.0007	-0.001 mg/L	0.0007	60.76%
Zn 206.200†	580.1	0.012	mg/L	0.0000	0.012 mg/L	0.0000	0.05%
Tl 351.924†	47.0	0.008	mg/L	0.0011	0.008 mg/L	0.0011	13.30%

Sequence No.: 14  
 Sample ID: LCSW04/19/12[202547]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 13  
 Date Collected: 4/23/2012 10:31:42 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: LCSW04/19/12[202547]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity				Conc. Units	Std.Dev.	
Sc 361.383	498370.3		1.01 mg/L	0.004			0.42%
Y 360.073	253651.8		1.03 mg/L	0.003			0.33%
Ag 328.068†	346445.4	1.48	mg/L	0.006	1.48 mg/L	0.006	0.41%
Al 237.313†	10320.3	1.84	mg/L	0.004	1.84 mg/L	0.004	0.23%
As 188.979†	1540.3	1.18	mg/L	0.002	1.18 mg/L	0.002	0.19%
Ba 233.527†	64500.6	0.581	mg/L	0.0022	0.581 mg/L	0.0022	0.38%
Be 313.107†	1592064.5	0.603	mg/L	0.0019	0.603 mg/L	0.0019	0.32%
Ca 317.933†	6895.7	1.91	mg/L	0.008	1.91 mg/L	0.008	0.40%
Cd 226.502†	107026.2	1.15	mg/L	0.006	1.15 mg/L	0.006	0.51%
Co 228.616†	15981.8	0.590	mg/L	0.0029	0.59 mg/L	0.0029	0.49%
Cr 267.716†	73501.4	0.590	mg/L	0.0028	0.59 mg/L	0.0028	0.47%
Cu 327.393†	85097.6	0.607	mg/L	0.0018	0.607 mg/L	0.0018	0.29%
Fe 238.204†	1273.2	1.58	mg/L	0.005	1.58 mg/L	0.005	0.33%
Mg 279.077†	395.2	1.28	mg/L	0.000	1.28 mg/L	0.000	0.04%
Ni 231.604†	27910.9	0.597	mg/L	0.0026	0.597 mg/L	0.0026	0.44%
Pb 220.353†	5528.8	0.589	mg/L	0.0019	0.589 mg/L	0.0019	0.32%
Sb 206.836†	1553.1	0.575	mg/L	0.0037	0.575 mg/L	0.0037	0.65%
Se 196.026†	755.8	0.550	mg/L	0.0079	0.55 mg/L	0.0079	1.44%
Sn 189.927†	2539.5	0.585	mg/L	0.0009	0.585 mg/L	0.0009	0.16%
Zn 206.200†	54280.1	1.13	mg/L	0.007	1.13 mg/L	0.007	0.64%
Tl 351.924†	3257.1	0.566	mg/L	0.0078	0.566 mg/L	0.0078	1.38%

Sequence No.: 15  
 Sample ID: 1204168-01(L) [202548]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 14  
 Date Collected: 4/23/2012 10:36:31 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-01(L) [202548]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	516663.3	1.05	mg/L	0.000			0.03%
Y 360.073	258076.8	1.05	mg/L	0.000			0.03%
Ag 328.068†	777.7	0.003	mg/L	0.0003	0.003 mg/L	0.0003	7.71%
Al 237.313†	176.9	0.038	mg/L	0.0143	0.038 mg/L	0.0143	45.57%
As 188.979†	8.0	0.008	mg/L	0.0037	0.008 mg/L	0.0037	59.42%
Ba 233.527†	14169.6	0.127	mg/L	0.0000	0.127 mg/L	0.0000	0.03%
Be 313.107†	1219.5	0.000	mg/L	0.0000	0 mg/L	0.0000	8.55%
Ca 317.933†	26453.6	7.34	mg/L	0.014	7.34 mg/L	0.014	0.19%
Cd 226.502†	55.7	0.001	mg/L	0.0001	0.001 mg/L	0.0001	21.30%
Co 228.616†	152.6	0.006	mg/L	0.0006	0.006 mg/L	0.0006	11.51%
Cr 267.716†	551.0	0.004	mg/L	0.0002	0.004 mg/L	0.0002	5.33%
Cu 327.393†	2589.1	0.019	mg/L	0.0003	0.019 mg/L	0.0003	1.63%
Fe 238.204†	1632.3	2.03	mg/L	0.012	2.03 mg/L	0.012	0.60%
Mg 279.077†	298.8	0.972	mg/L	0.0192	0.972 mg/L	0.0192	1.97%
Ni 231.604†	11414.1	0.244	mg/L	0.0015	0.244 mg/L	0.0015	0.62%
Pb 220.353†	10.2	0.001	mg/L	0.0010	0.001 mg/L	0.0010	89.40%
Sb 206.836†	-3.8	-0.002	mg/L	0.0012	-0.002 mg/L	0.0012	86.36%
Se 196.026†	0.6	0.003	mg/L	0.0027	0.003 mg/L	0.0027	639.89%
Sn 189.927†	-21.3	-0.003	mg/L	0.0007	-0.003 mg/L	0.0007	13.60%
Zn 206.200†	3158.0	0.065	mg/L	0.0000	0.065 mg/L	0.0000	0.05%
Tl 351.924†	35.8	0.008	mg/L	0.0149	0.008 mg/L	0.0149	239.53%

Sequence No.: 16  
 Sample ID: 1204168-02(L) [202549]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 15  
 Date Collected: 4/23/2012 10:41:08 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-02(L) [202549]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	506963.9	1.03	mg/L	0.017			1.63%
Y 360.073	254654.0	1.03	mg/L	0.018			1.79%
Ag 328.068†	1100.0	0.005	mg/L	0.0006	0.005 mg/L	0.0006	12.26%
Al 237.313†	456.4	0.079	mg/L	0.0032	0.079 mg/L	0.0032	3.90%
As 188.979†	6.6	0.007	mg/L	0.0056	0.007 mg/L	0.0056	110.26%
Ba 233.527†	10667.7	0.096	mg/L	0.0016	0.096 mg/L	0.0016	1.66%
Be 313.107†	1285.6	0.000	mg/L	0.0000	0 mg/L	0.0000	6.92%
Ca 317.933†	55085.0	15.3	mg/L	0.26	15.3 mg/L	0.26	1.68%
Cd 226.502†	11.6	0.000	mg/L	0.0001	0 mg/L	0.0001	99.41%
Co 228.616†	15.6	0.001	mg/L	0.0001	0.001 mg/L	0.0001	18.00%
Cr 267.716†	1446.5	0.012	mg/L	0.0000	0.012 mg/L	0.0000	0.08%
Cu 327.393†	10807.1	0.078	mg/L	0.0011	0.078 mg/L	0.0011	1.43%
Fe 238.204†	107.0	0.131	mg/L	0.0072	0.131 mg/L	0.0072	5.42%
Mg 279.077†	593.7	1.93	mg/L	0.051	1.93 mg/L	0.051	2.64%
Ni 231.604†	5123.8	0.110	mg/L	0.0022	0.11 mg/L	0.0022	2.00%
Pb 220.353†	22.9	0.002	mg/L	0.0017	0.002 mg/L	0.0017	69.20%
Sb 206.836†	-1.8	-0.001	mg/L	0.0036	-0.001 mg/L	0.0036	526.51%
Se 196.026†	9.6	0.011	mg/L	0.0005	0.011 mg/L	0.0005	6.54%
Sn 189.927†	-56.0	-0.009	mg/L	0.0006	-0.009 mg/L	0.0006	4.89%
Zn 206.200†	3502.3	0.072	mg/L	0.0012	0.072 mg/L	0.0012	1.61%
Tl 351.924†	35.7	0.008	mg/L	0.0013	0.008 mg/L	0.0013	20.50%

Sequence No.: 17  
Sample ID: 1204168-02MS(L) [202550]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 16  
Date Collected: 4/23/2012 10:46:30 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1204168-02MS(L) [202550]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	541288.2	1.10	mg/L	0.002				0.18%
Y 360.073	271158.0	1.10	mg/L	0.003				0.28%
Ag 328.068†	16928.3	0.072	mg/L	0.0005	0.072	mg/L	0.0005	0.68%
Al 237.313†	10963.3	1.95	mg/L	0.011	1.95	mg/L	0.011	0.55%
As 188.979†	2601.2	2.00	mg/L	0.007	2	mg/L	0.007	0.36%
Ba 233.527†	212038.9	1.91	mg/L	0.000	1.91	mg/L	0.000	0.02%
Be 313.107†	132084.1	0.050	mg/L	0.0000	0.05	mg/L	0.0000	0.09%
Ca 317.933†	46400.8	12.9	mg/L	0.00	12.9	mg/L	0.00	0.01%
Cd 226.502†	4601.4	0.050	mg/L	0.0002	0.05	mg/L	0.0002	0.31%
Co 228.616†	12643.3	0.467	mg/L	0.0004	0.467	mg/L	0.0004	0.09%
Cr 267.716†	24867.0	0.200	mg/L	0.0002	0.2	mg/L	0.0002	0.10%
Cu 327.393†	42337.9	0.302	mg/L	0.0002	0.302	mg/L	0.0002	0.08%
Fe 238.204†	796.0	0.989	mg/L	0.0057	0.989	mg/L	0.0057	0.58%
Mg 279.077†	486.5	1.58	mg/L	0.012	1.58	mg/L	0.012	0.75%
Ni 231.604†	26448.3	0.566	mg/L	0.0002	0.566	mg/L	0.0002	0.03%
Pb 220.353†	2207.5	0.235	mg/L	0.0023	0.235	mg/L	0.0023	0.98%
Sb 206.836†	1229.1	0.455	mg/L	0.0065	0.455	mg/L	0.0065	1.44%
Se 196.026†	345.4	0.255	mg/L	0.0062	0.255	mg/L	0.0062	2.49%
Sn 189.927†	-51.0	-0.008	mg/L	0.0003	-0.008	mg/L	0.0003	2.62%
Zn 206.200†	24919.1	0.517	mg/L	0.0007	0.517	mg/L	0.0007	0.14%
Tl 351.924†	10899.1	1.89	mg/L	0.004	1.89	mg/L	0.004	0.23%

Sequence No.: 18  
Sample ID: 1204168-02MSD(L) [202551]  
Analyst:  
Initial Sample Wt:  
Dilution:1.0X

Autosampler Location: 17  
Date Collected: 4/23/2012 10:51:50 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1204168-02MSD(L) [202551]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	533807.0	1.08	mg/L	0.001				0.05%
Y 360.073	267801.6	1.08	mg/L	0.000				0.05%
Ag 328.068†	16755.4	0.071	mg/L	0.0006	0.071	mg/L	0.0006	0.77%
Al 237.313†	11504.8	2.05	mg/L	0.011	2.05	mg/L	0.011	0.52%
As 188.979†	2774.9	2.13	mg/L	0.009	2.13	mg/L	0.009	0.42%
Ba 233.527†	227829.8	2.05	mg/L	0.009	2.05	mg/L	0.009	0.45%
Be 313.107†	141963.2	0.054	mg/L	0.0003	0.054	mg/L	0.0003	0.50%
Ca 317.933†	50419.1	14.0	mg/L	0.08	14	mg/L	0.08	0.55%
Cd 226.502†	4847.9	0.052	mg/L	0.0003	0.052	mg/L	0.0003	0.55%
Co 228.616†	13584.9	0.502	mg/L	0.0031	0.502	mg/L	0.0031	0.61%
Cr 267.716†	26232.2	0.211	mg/L	0.0012	0.211	mg/L	0.0012	0.59%
Cu 327.393†	45221.6	0.323	mg/L	0.0004	0.323	mg/L	0.0004	0.12%
Fe 238.204†	853.3	1.06	mg/L	0.005	1.06	mg/L	0.005	0.51%
Mg 279.077†	526.1	1.71	mg/L	0.016	1.71	mg/L	0.016	0.94%
Ni 231.604†	28053.9	0.600	mg/L	0.0049	0.6	mg/L	0.0049	0.81%
Pb 220.353†	2342.5	0.249	mg/L	0.0018	0.249	mg/L	0.0018	0.71%
Sb 206.836†	1321.6	0.489	mg/L	0.0042	0.489	mg/L	0.0042	0.86%
Se 196.026†	343.9	0.254	mg/L	0.0053	0.254	mg/L	0.0053	2.14%
Sn 189.927†	-53.3	-0.008	mg/L	0.0014	-0.008	mg/L	0.0014	11.73%
Zn 206.200†	26439.0	0.548	mg/L	0.0055	0.548	mg/L	0.0055	1.00%
Tl 351.924†	11517.2	2.00	mg/L	0.011	2	mg/L	0.011	0.57%

Sequence No.: 19  
 Sample ID: 1204168-2PSPK(L) [202549]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 18  
 Date Collected: 4/23/2012 10:57:05 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-2PSPK(L) [202549]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	506257.9	1.02	mg/L	0.003			0.26%
Y 360.073	254858.0	1.03	mg/L	0.002			0.19%
Ag 328.068†	462315.7	1.97	mg/L	0.011	1.97	mg/L	0.54%
Al 237.313†	11352.4	2.03	mg/L	0.007	2.03	mg/L	0.36%
As 188.979†	2856.5	2.19	mg/L	0.010	2.19	mg/L	0.45%
Ba 233.527†	241581.0	2.17	mg/L	0.001	2.17	mg/L	0.03%
Be 313.107†	5756139.0	2.18	mg/L	0.009	2.18	mg/L	0.40%
Ca 317.933†	48696.8	13.5	mg/L	0.11	13.5	mg/L	0.85%
Cd 226.502†	196673.5	2.11	mg/L	0.001	2.11	mg/L	0.03%
Co 228.616†	56720.4	2.10	mg/L	0.000	2.1	mg/L	0.01%
Cr 267.716†	265369.9	2.13	mg/L	0.000	2.13	mg/L	0.00%
Cu 327.393†	308286.4	2.20	mg/L	0.002	2.2	mg/L	0.09%
Fe 238.204†	1547.6	1.92	mg/L	0.013	1.92	mg/L	0.69%
Mg 279.077†	983.7	3.20	mg/L	0.004	3.2	mg/L	0.12%
Ni 231.604†	101444.4	2.17	mg/L	0.000	2.17	mg/L	0.02%
Pb 220.353†	19560.7	2.08	mg/L	0.004	2.08	mg/L	0.20%
Sb 206.836†	5728.5	2.12	mg/L	0.006	2.12	mg/L	0.28%
Se 196.026†	2907.5	2.12	mg/L	0.001	2.12	mg/L	0.07%
Sn 189.927†	-102.6	-0.020	mg/L	0.0014	-0.02	mg/L	5.92%
Zn 206.200†	100996.1	2.10	mg/L	0.001	2.1	mg/L	0.06%
Tl 351.924†	12639.2	2.20	mg/L	0.009	2.2	mg/L	0.41%

Sequence No.: 20  
 Sample ID: 1204168-03(L) [202552]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 19  
 Date Collected: 4/23/2012 11:02:37 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-03(L) [202552]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	521143.6	1.05	mg/L	0.004			0.35%
Y 360.073	262819.2	1.06	mg/L	0.003			0.31%
Ag 328.068†	3351.0	0.014	mg/L	0.0036	0.014	mg/L	24.84%
Al 237.313†	250.1	0.044	mg/L	0.0025	0.044	mg/L	5.72%
As 188.979†	10.5	0.009	mg/L	0.0008	0.009	mg/L	9.97%
Ba 233.527†	3857.8	0.035	mg/L	0.0000	0.035	mg/L	0.07%
Be 313.107†	1954.9	0.001	mg/L	0.0000	0.001	mg/L	1.42%
Ca 317.933†	22687.5	6.30	mg/L	0.055	6.3	mg/L	0.87%
Cd 226.502†	-6.5	0.000	mg/L	0.0001	0	mg/L	164.41%
Co 228.616†	25.9	0.001	mg/L	0.0001	0.001	mg/L	9.96%
Cr 267.716†	993.1	0.008	mg/L	0.0001	0.008	mg/L	1.48%
Cu 327.393†	3076.8	0.022	mg/L	0.0004	0.022	mg/L	1.96%
Fe 238.204†	51.4	0.063	mg/L	0.0078	0.063	mg/L	12.05%
Mg 279.077†	279.0	0.908	mg/L	0.0317	0.908	mg/L	3.49%
Ni 231.604†	14579.9	0.312	mg/L	0.0001	0.312	mg/L	0.03%
Pb 220.353†	2.8	0.000	mg/L	0.0015	0	mg/L	504.20%
Sb 206.836†	3.6	0.001	mg/L	0.0008	0.001	mg/L	56.66%
Se 196.026†	10.2	0.009	mg/L	0.0061	0.009	mg/L	81.74%
Sn 189.927†	-23.2	-0.004	mg/L	0.0005	-0.004	mg/L	9.04%
Zn 206.200†	2175.4	0.045	mg/L	0.0001	0.045	mg/L	0.15%
Tl 351.924†	22.8	0.005	mg/L	0.0027	0.005	mg/L	67.72%

Sequence No.: 21  
 Sample ID: 1204168-04(L) [202554]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 20  
 Date Collected: 4/23/2012 11:07:50 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-04(L) [202554]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	508229.6	1.03	mg/L	0.005			0.47%
Y 360.073	255620.4	1.04	mg/L	0.005			0.51%
Ag 328.068†	378.9	0.002	mg/L	0.0001	0.002 mg/L	0.0001	7.84%
Al 237.313†	-40.4	0.033	mg/L	0.0211	0.033 mg/L	0.0211	290.64%
As 188.979†	10.1	0.016	mg/L	0.0053	0.016 mg/L	0.0053	68.81%
Ba 233.527†	4774.9	0.042	mg/L	0.0002	0.042 mg/L	0.0002	0.36%
Be 313.107†	1039.7	0.000	mg/L	0.0000	0 mg/L	0.0000	0.08%
Ca 317.933†	143383.8	39.8	mg/L	0.15	39.8 mg/L	0.15	0.38%
Cd 226.502†	39.1	0.000	mg/L	0.0002	0 mg/L	0.0002	43.94%
Co 228.616†	71.3	0.002	mg/L	0.0009	0.002 mg/L	0.0009	33.26%
Cr 267.716†	498.6	0.004	mg/L	0.0001	0.004 mg/L	0.0001	3.61%
Cu 327.393†	1053.0	0.009	mg/L	0.0001	0.009 mg/L	0.0001	1.63%
Fe 238.204†	9399.3	11.7	mg/L	0.05	11.7 mg/L	0.05	0.45%
Mg 279.077†	909.1	2.95	mg/L	0.018	2.95 mg/L	0.018	0.61%
Ni 231.604†	10210.7	0.218	mg/L	0.0006	0.218 mg/L	0.0006	0.27%
Pb 220.353†	27.0	0.002	mg/L	0.0012	0.002 mg/L	0.0012	42.83%
Sb 206.836†	-12.0	-0.006	mg/L	0.0009	-0.006 mg/L	0.0009	20.56%
Se 196.026†	-6.7	0.009	mg/L	0.0110	0.009 mg/L	0.0110	224.75%
Sn 189.927†	-105.7	-0.013	mg/L	0.0005	-0.013 mg/L	0.0005	1.71%
Zn 206.200†	6526.5	0.133	mg/L	0.0005	0.133 mg/L	0.0005	0.37%
Tl 351.924†	-37.8	0.001	mg/L	0.0017	0.001 mg/L	0.0017	26.23%

Sequence No.: 22  
 Sample ID: 1204168-05(L) [202555]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 21  
 Date Collected: 4/23/2012 11:13:09 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-05(L) [202555]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	523072.5	1.06	mg/L	0.003			0.28%
Y 360.073	265902.6	1.08	mg/L	0.003			0.32%
Ag 328.068†	324.3	0.002	mg/L	0.0001	0.002 mg/L	0.0001	4.90%
Al 237.313†	27689.9	4.95	mg/L	0.008	4.95 mg/L	0.008	0.15%
As 188.979†	3.5	0.006	mg/L	0.0014	0.006 mg/L	0.0014	50.62%
Ba 233.527†	4081.9	0.036	mg/L	0.0002	0.036 mg/L	0.0002	0.56%
Be 313.107†	2060.6	0.001	mg/L	0.0000	0.001 mg/L	0.0000	1.45%
Ca 317.933†	42295.5	11.7	mg/L	0.07	11.7 mg/L	0.07	0.59%
Cd 226.502†	42.9	0.000	mg/L	0.0001	0 mg/L	0.0001	11.18%
Co 228.616†	85.3	0.003	mg/L	0.0002	0.003 mg/L	0.0002	5.20%
Cr 267.716†	2965.0	0.024	mg/L	0.0003	0.024 mg/L	0.0003	1.35%
Cu 327.393†	2815.2	0.021	mg/L	0.0004	0.021 mg/L	0.0004	2.01%
Fe 238.204†	4852.1	6.04	mg/L	0.027	6.04 mg/L	0.027	0.44%
Mg 279.077†	1724.5	5.61	mg/L	0.052	5.61 mg/L	0.052	0.93%
Ni 231.604†	413.4	0.009	mg/L	0.0003	0.009 mg/L	0.0003	3.72%
Pb 220.353†	54.6	0.007	mg/L	0.0002	0.007 mg/L	0.0002	4.36%
Sb 206.836†	-12.0	-0.005	mg/L	0.0025	-0.005 mg/L	0.0025	55.71%
Se 196.026†	2.2	0.004	mg/L	0.0053	0.004 mg/L	0.0053	323.89%
Sn 189.927†	-42.9	-0.007	mg/L	0.0018	-0.007 mg/L	0.0018	18.36%
Zn 206.200†	1653.0	0.033	mg/L	0.0000	0.033 mg/L	0.0000	0.06%
Tl 351.924†	-2.4	0.003	mg/L	0.0043	0.003 mg/L	0.0043	003.82%

Sequence No.: 23  
Sample ID: CCV  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 8  
Date Collected: 4/23/2012 11:18:26 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	498305.2	1.01	mg/L	0.005			0.53%
Y 360.073	251581.3	1.02	mg/L	0.005			0.50%
Ag 328.068†	248960.3	1.062	mg/L	0.001	1.062	mg/L	0.001 0.06%
QC value within limits for Ag 328.068 Recovery = 106.23%							
Al 237.313†	6026.5	1.072	mg/L	0.001	1.072	mg/L	0.001 0.11%
QC value within limits for Al 237.313 Recovery = 107.17%							
As 188.979†	1427.2	1.092	mg/L	0.000	1.092	mg/L	0.000 0.03%
QC value within limits for As 188.979 Recovery = 109.17%							
Ba 233.527†	114502.5	1.031	mg/L	0.000	1.031	mg/L	0.000 0.03%
QC value within limits for Ba 233.527 Recovery = 103.08%							
Be 313.107†	2865177.5	1.085	mg/L	0.001	1.085	mg/L	0.001 0.07%
QC value within limits for Be 313.107 Recovery = 108.48%							
Ca 317.933†	43391.1	12.05	mg/L	0.06	12.05	mg/L	0.06 0.49%
QC value within limits for Ca 317.933 Recovery = 109.54%							
Cd 226.502†	98880.9	1.059	mg/L	0.000	1.059	mg/L	0.000 0.03%
QC value within limits for Cd 226.502 Recovery = 105.91%							
Co 228.616†	29081.8	1.075	mg/L	0.004	1.075	mg/L	0.004 0.34%
QC value within limits for Co 228.616 Recovery = 107.47%							
Cr 267.716†	130131.3	1.044	mg/L	0.000	1.044	mg/L	0.000 0.01%
QC value within limits for Cr 267.716 Recovery = 104.4%							
Cu 327.393†	148631.9	1.061	mg/L	0.001	1.061	mg/L	0.001 0.12%
QC value within limits for Cu 327.393 Recovery = 106.07%							
Fe 238.204†	752.7	0.939	mg/L	0.0041	0.939	mg/L	0.0041 0.44%
QC value within limits for Fe 238.204 Recovery = 93.92%							
Mg 279.077†	297.0	0.971	mg/L	0.0198	0.971	mg/L	0.0198 2.03%
QC value within limits for Mg 279.077 Recovery = 97.11%							
Ni 231.604†	49356.9	1.056	mg/L	0.001	1.056	mg/L	0.001 0.08%
QC value within limits for Ni 231.604 Recovery = 105.59%							
Pb 220.353†	9815.6	1.046	mg/L	0.000	1.046	mg/L	0.000 0.02%
QC value within limits for Pb 220.353 Recovery = 104.55%							
Sb 206.836†	2796.0	1.035	mg/L	0.003	1.035	mg/L	0.003 0.28%
QC value within limits for Sb 206.836 Recovery = 103.53%							
Se 196.026†	1480.5	1.072	mg/L	0.003	1.072	mg/L	0.003 0.27%
QC value within limits for Se 196.026 Recovery = 107.2%							
Sn 189.927†	4461.7	1.024	mg/L	0.001	1.024	mg/L	0.001 0.05%
QC value within limits for Sn 189.927 Recovery = 102.39%							
Zn 206.200†	49038.8	1.019	mg/L	0.002	1.019	mg/L	0.002 0.15%
QC value within limits for Zn 206.200 Recovery = 101.93%							
Tl 351.924†	6164.7	1.068	mg/L	0.002	1.068	mg/L	0.002 0.20%
QC value within limits for Tl 351.924 Recovery = 106.77%							

All analyte(s) passed QC.

Sequence No.: 24  
Sample ID: CCB  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 1  
Date Collected: 4/23/2012 11:25:04 AM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	521073.9	1.05	mg/L	0.001			0.13%
Y 360.073	264473.7	1.07	mg/L	0.001			0.06%
Ag 328.068†	843.7	0.004	mg/L	0.0006	0.004	mg/L	0.0006 15.33%
QC value within limits for Ag 328.068 Recovery = Not calculated							

Al 237.313†	-25.3	-0.004 mg/L	0.0097	-0.004 mg/L	0.0097	215.29%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	4.3	0.003 mg/L	0.0032	0.003 mg/L	0.0032	97.50%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	66.7	0.001 mg/L	0.0001	0.001 mg/L	0.0001	14.86%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	2377.1	0.001 mg/L	0.0000	0.001 mg/L	0.0000	3.59%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	19.8	0.006 mg/L	0.0014	0.006 mg/L	0.0014	26.09%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 226.502†	9.3	0.000 mg/L	0.0000	0 mg/L	0.0000	19.23%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	32.5	0.001 mg/L	0.0000	0.001 mg/L	0.0000	0.16%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-12.5	0.000 mg/L	0.0001	0 mg/L	0.0001	75.55%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	350.4	0.003 mg/L	0.0000	0.003 mg/L	0.0000	0.49%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	-0.7	-0.001 mg/L	0.0016	-0.001 mg/L	0.0016	209.68%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	7.0	0.023 mg/L	0.0140	0.023 mg/L	0.0140	60.94%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	0.0	0.0 mg/L	0.0003	0 mg/L	0.0003	032.89%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-25.4	-0.003 mg/L	0.0015	-0.003 mg/L	0.0015	55.20%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-1.6	-0.001 mg/L	0.0011	-0.001 mg/L	0.0011	182.61%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-5.2	-0.004 mg/L	0.0067	-0.004 mg/L	0.0067	175.69%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-1.3	0.000 mg/L	0.0003	0 mg/L	0.0003	97.65%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	9.6	0.000 mg/L	0.0002	0 mg/L	0.0002	121.85%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	39.2	0.007 mg/L	0.0098	0.007 mg/L	0.0098	144.17%
QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 25

Sample ID: 1204168-06(L) [202556]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 22

Date Collected: 4/23/2012 11:29:19 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204168-06(L) [202556]

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	497369.1	1.01	mg/L	0.001			0.15%
Y 360.073	250854.9	1.02	mg/L	0.002			0.21%
Ag 328.068†	-464.2	-0.001	mg/L	0.0000	-0.001 mg/L	0.0000	1.53%
Al 237.313†	233.2	0.131	mg/L	0.0153	0.131 mg/L	0.0153	36.24%
As 188.979†	-9.0	0.000	mg/L	0.0007	0 mg/L	0.0007	10.90%
Ba 233.527†	17595.0	0.157	mg/L	0.0004	0.157 mg/L	0.0004	0.28%
Be 313.107†	1715.5	0.001	mg/L	0.0000	0.001 mg/L	0.0000	3.41%
Ca 317.933†	57421.2	15.9	mg/L	0.08	15.9 mg/L	0.08	0.52%
Cd 226.502†	104.0	0.000	mg/L	0.0000	0 mg/L	0.0000	1.61%
Co 228.616†	373.9	0.013	mg/L	0.0006	0.013 mg/L	0.0006	4.66%
Cr 267.716†	5549.9	0.045	mg/L	0.0005	0.045 mg/L	0.0005	1.10%
Cu 327.393†	115981.5	0.828	mg/L	0.0022	0.828 mg/L	0.0022	0.26%
Fe 238.204†	18904.6	23.5	mg/L	0.07	23.5 mg/L	0.07	0.32%
Mg 279.077†	478.7	1.55	mg/L	0.020	1.55 mg/L	0.020	1.25%
Ni 231.604†	80851.6	1.73	mg/L	0.004	1.73 mg/L	0.004	0.24%
Pb 220.353†	46.4	0.004	mg/L	0.0005	0.004 mg/L	0.0005	9.22%
Sb 206.836†	3.9	0.002	mg/L	0.0006	0.002 mg/L	0.0006	42.96%
Se 196.026†	-6.0	0.006	mg/L	0.0027	0.006 mg/L	0.0027	60.56%
Sn 189.927†	-43.3	-0.005	mg/L	0.0016	-0.005 mg/L	0.0016	16.18%

00274



Zn 206.200†	45571.8	0.945 mg/L	0.0045	0.945 mg/L	0.0045	0.48%
Tl 351.924†	3.1	0.008 mg/L	0.0016	0.008 mg/L	0.0016	311.75%

Sequence No.: 26

Sample ID: 1204168-06MS(L) [202557]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 23

Date Collected: 4/23/2012 11:34:38 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204168-06MS(L) [202557]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	516008.9	1.04	mg/L	0.001			0.10%
Y 360.073	260136.0	1.05	mg/L	0.001			0.06%
Ag 328.068†	16833.4	0.073	mg/L	0.0001	0.073 mg/L	0.0001	0.08%
Al 237.313†	11507.3	2.14	mg/L	0.002	2.14 mg/L	0.002	0.10%
As 188.979†	2850.3	2.192	mg/L	0.003	2.192 mg/L	0.003	0.12%
Ba 233.527†	244334.5	2.198	mg/L	0.002	2.198 mg/L	0.002	0.10%
Be 313.107†	147658.7	0.056	mg/L	0.0001	0.056 mg/L	0.0001	0.26%
Ca 317.933†	54079.5	14.992	mg/L	0.02	14.992 mg/L	0.02	0.13%
Cd 226.502†	4975.7	0.052	mg/L	0.0009	0.052 mg/L	0.0009	1.63%
Co 228.616†	14386.7	0.53	mg/L	0.0011	0.53 mg/L	0.0011	0.20%
Cr 267.716†	30701.9	0.247	mg/L	0.0000	0.247 mg/L	0.0000	0.01%
Cu 327.393†	153351.5	1.094	mg/L	0.0022	1.094 mg/L	0.0022	0.24%
Fe 238.204†	19240.2	23.954	mg/L	0.09	23.954 mg/L	0.09	0.37%
Mg 279.077†	455.7	1.476	mg/L	0.020	1.476 mg/L	0.020	1.34%
Ni 231.604†	28468.0	0.609	mg/L	0.003	0.609 mg/L	0.003	0.13%
Pb 220.353†	2484.6	0.264	mg/L	0.0006	0.264 mg/L	0.0006	0.22%
Sb 206.836†	1347.5	0.499	mg/L	0.0003	0.499 mg/L	0.0003	0.06%
Se 196.026†	348.4	0.263	mg/L	0.0012	0.263 mg/L	0.0012	0.48%
Sr 189.927†	-54.2	-0.008	mg/L	0.0008	-0.008 mg/L	0.0008	6.45%
Zn 206.200†	65825.1	1.366	mg/L	0.003	1.366 mg/L	0.003	0.19%
Tl 351.924†	11906.8	2.074	mg/L	0.005	2.074 mg/L	0.005	0.25%

Sequence No.: 27

Sample ID: 1204168-06MSD(L) [202558]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 24

Date Collected: 4/23/2012 11:39:54 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204168-06MSD(L) [202558]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	528968.3	1.07	mg/L	0.002			0.19%
Y 360.073	266508.8	1.08	mg/L	0.002			0.19%
Ag 328.068†	16534.9	0.069	mg/L	0.0001	0.069 mg/L	0.0001	0.17%
Al 237.313†	12541.6	2.145	mg/L	0.014	2.145 mg/L	0.014	0.72%
As 188.979†	2851.2	2.178	mg/L	0.022	2.178 mg/L	0.022	1.03%
Ba 233.527†	243773.0	2.195	mg/L	0.005	2.195 mg/L	0.005	0.22%
Be 313.107†	146836.1	0.056	mg/L	0.0001	0.056 mg/L	0.0001	0.16%
Ca 317.933†	50072.7	13.927	mg/L	0.02	13.927 mg/L	0.02	0.13%
Cd 226.502†	4761.8	0.052	mg/L	0.0002	0.052 mg/L	0.0002	0.32%
Co 228.616†	14288.5	0.529	mg/L	0.0001	0.529 mg/L	0.0001	0.02%
Cr 267.716†	30568.5	0.245	mg/L	0.0003	0.245 mg/L	0.0003	0.10%
Cu 327.393†	152244.7	1.087	mg/L	0.0033	1.087 mg/L	0.0033	0.38%
Fe 238.204†	18626.8	23.196	mg/L	0.15	23.196 mg/L	0.15	0.66%
Mg 279.077†	429.1	1.405	mg/L	0.029	1.405 mg/L	0.029	2.03%
Ni 231.604†	28681.6	0.614	mg/L	0.001	0.614 mg/L	0.001	0.04%
Pb 220.353†	2447.8	0.261	mg/L	0.0040	0.261 mg/L	0.0040	1.53%
Sb 206.836†	1343.8	0.497	mg/L	0.0028	0.497 mg/L	0.0028	0.57%
Se 196.026†	376.6	0.264	mg/L	0.0054	0.264 mg/L	0.0054	2.12%
Sr 189.927†	-12.2	-0.007	mg/L	0.0006	-0.007 mg/L	0.0006	5.92%
Zn 206.200†	63225.7	1.315	mg/L	0.003	1.315 mg/L	0.003	0.25%
Tl 351.924†	11980.0	2.072	mg/L	0.018	2.072 mg/L	0.018	0.88%

Sequence No.: 28  
 Sample ID: 1204168-06PSPK(L) [202556]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 25  
 Date Collected: 4/23/2012 11:45:12 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-06PSPK(L) [202556]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	512808.5	1.04	mg/L	0.010			1.00%
Y 360.073	258664.3	1.05	mg/L	0.010			0.95%
Ag 328.068†	417954.2	1.78	mg/L	0.009	1.78	0.009	0.52%
Al 237.313†	10117.7	1.87	mg/L	0.032	1.87	0.032	1.75%
As 188.979†	2650.8	2.04	mg/L	0.016	2.04	0.016	0.79%
Ba 233.527†	224377.3	2.02	mg/L	0.024	2.02	0.024	1.21%
Be 313.107†	5342416.2	2.02	mg/L	0.034	2.02	0.034	1.68%
Ca 317.933†	50605.6	14.0	mg/L	0.26	14	0.26	1.84%
Cd 226.502†	179341.5	1.92	mg/L	0.031	1.92	0.031	1.62%
Co 228.616†	52020.2	1.92	mg/L	0.024	1.92	0.024	1.25%
Cr 267.716†	243625.9	1.96	mg/L	0.025	1.96	0.025	1.28%
Cu 327.393†	357421.3	2.55	mg/L	0.026	2.55	0.026	1.01%
Fe 238.204†	15547.4	19.4	mg/L	0.23	19.4	0.23	1.20%
Mg 279.077†	892.3	2.90	mg/L	0.038	2.9	0.038	1.31%
Ni 231.604†	148459.4	3.18	mg/L	0.045	3.18	0.045	1.42%
Pb 220.353†	18002.2	1.92	mg/L	0.021	1.92	0.021	1.12%
Sb 206.836†	5257.0	1.95	mg/L	0.014	1.95	0.014	0.74%
Se 196.026†	2663.0	1.94	mg/L	0.024	1.94	0.024	1.23%
Sn 189.927†	-97.1	-0.018	mg/L	0.0015	-0.018	0.0015	7.16%
Zn 206.200†	122730.0	2.55	mg/L	0.046	2.55	0.046	1.79%
Tl 351.924†	11508.6	2.00	mg/L	0.024	2	0.024	1.21%

Sequence No.: 29  
 Sample ID: 1204168-10(L) [202559]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 26  
 Date Collected: 4/23/2012 11:50:46 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-10(L) [202559]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	510692.1	1.03	mg/L	0.009			0.85%
Y 360.073	257541.9	1.04	mg/L	0.008			0.81%
Ag 328.068†	5044.2	0.022	mg/L	0.0052	0.022	0.0052	24.20%
Al 237.313†	2387.6	0.445	mg/L	0.0024	0.445	0.0024	0.51%
As 188.979†	9.8	0.012	mg/L	0.0071	0.012	0.0071	95.28%
Ba 233.527†	5194.7	0.046	mg/L	0.0004	0.046	0.0004	0.89%
Be 313.107†	3433.3	0.001	mg/L	0.0001	0.001	0.0001	6.85%
Ca 317.933†	87917.6	24.4	mg/L	0.29	24.4	0.29	1.17%
Cd 226.502†	84.8	0.000	mg/L	0.0002	0	0.0002	19.25%
Co 228.616†	35.4	0.001	mg/L	0.0002	0.001	0.0002	16.69%
Cr 267.716†	283.1	0.003	mg/L	0.0004	0.003	0.0004	16.10%
Cu 327.393†	2720.2	0.020	mg/L	0.0003	0.02	0.0003	1.25%
Fe 238.204†	4856.3	6.04	mg/L	0.074	6.04	0.074	1.23%
Mg 279.077†	555.8	1.81	mg/L	0.026	1.81	0.026	1.44%
Ni 231.604†	95.0	0.002	mg/L	0.0003	0.002	0.0003	14.74%
Pb 220.353†	24.6	0.002	mg/L	0.0008	0.002	0.0008	31.32%
Sb 206.836†	-6.1	-0.003	mg/L	0.0016	-0.003	0.0016	71.65%
Se 196.026†	1.3	0.010	mg/L	0.0098	0.01	0.0098	031.09%
Sn 189.927†	-73.2	-0.010	mg/L	0.0016	-0.01	0.0016	9.19%
Zn 206.200†	2158.6	0.043	mg/L	0.0000	0.043	0.0000	0.05%
Tl 351.924†	-3.5	0.004	mg/L	0.0021	0.004	0.0021	347.73%

Sequence No.: 30  
 Sample ID: 1204168-11(L) [202560]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 1.0X

Autosampler Location: 27  
 Date Collected: 4/23/2012 11:56:05 AM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-11(L) [202560]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	497753.3	1.01	mg/L	0.004			0.45%
Y 360.073	251254.1	1.02	mg/L	0.005			0.51%
Ag 328.068†	17.9	0.001	mg/L	0.0008	0.001	mg/L	0.0008 035.18%
Al 237.313†	-154.8	0.067	mg/L	0.0060	0.067	mg/L	0.0060 22.46%
As 188.979†	-5.8	0.003	mg/L	0.0009	0.003	mg/L	0.0009 18.66%
Ba 233.527†	19741.2	0.177	mg/L	0.0004	0.177	mg/L	0.0004 0.23%
Be 313.107†	1731.0	0.001	mg/L	0.0000	0.001	mg/L	0.0000 0.98%
Ca 317.933†	55031.9	15.3	mg/L	0.10	15.3	mg/L	0.10 0.68%
Cd 226.502†	134.3	0.000	mg/L	0.0001	0	mg/L	0.0001 3.63%
Co 228.616†	394.0	0.013	mg/L	0.0001	0.013	mg/L	0.0001 0.64%
Cr 267.716†	5804.6	0.047	mg/L	0.0001	0.047	mg/L	0.0001 0.28%
Cu 327.393†	89197.6	0.637	mg/L	0.0021	0.637	mg/L	0.0021 0.33%
Fe 238.204†	19884.1	24.8	mg/L	0.06	24.8	mg/L	0.06 0.23%
Mg 279.077†	487.0	1.58	mg/L	0.016	1.58	mg/L	0.016 0.98%
Ni 231.604†	82486.3	1.76	mg/L	0.012	1.76	mg/L	0.012 0.67%
Pb 220.353†	49.7	0.005	mg/L	0.0024	0.005	mg/L	0.0024 45.01%
Sb 206.836†	-4.1	-0.001	mg/L	0.0040	-0.001	mg/L	0.0040 264.38%
Se 196.026†	-13.5	0.000	mg/L	0.0042	0	mg/L	0.0042 42.83%
Sn 189.927†	-51.3	-0.007	mg/L	0.0004	-0.007	mg/L	0.0004 3.47%
Zn 206.200†	41848.1	0.868	mg/L	0.0063	0.868	mg/L	0.0063 0.73%
Tl 351.924†	-39.5	0.001	mg/L	0.0084	0.001	mg/L	0.0084 122.42%

Sequence No.: 31  
 Sample ID: 1204168-12(L) [202561]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 1.0X

Autosampler Location: 28  
 Date Collected: 4/23/2012 12:01:24 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204168-12(L) [202561]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	530104.1	1.07	mg/L	0.007			0.69%
Y 360.073	266955.3	1.08	mg/L	0.007			0.64%
Ag 328.068†	951.9	0.004	mg/L	0.0000	0.004	mg/L	0.0000 0.01%
Al 237.313†	647.7	0.112	mg/L	0.0078	0.112	mg/L	0.0078 6.74%
As 188.979†	7.6	0.009	mg/L	0.0099	0.009	mg/L	0.0099 169.33%
Ba 233.527†	12398.9	0.112	mg/L	0.0002	0.112	mg/L	0.0002 0.19%
Be 313.107†	1834.2	0.001	mg/L	0.0000	0.001	mg/L	0.0000 0.40%
Ca 317.933†	80800.3	22.4	mg/L	0.08	22.4	mg/L	0.08 0.35%
Cd 226.502†	-73.2	0.000	mg/L	0.0003	0	mg/L	0.0003 33.14%
Co 228.616†	60.9	0.002	mg/L	0.0002	0.002	mg/L	0.0002 8.17%
Cr 267.716†	3283.1	0.026	mg/L	0.0005	0.026	mg/L	0.0005 1.75%
Cu 327.393†	10101.2	0.072	mg/L	0.0001	0.072	mg/L	0.0001 0.07%
Fe 238.204†	130.4	0.158	mg/L	0.0020	0.158	mg/L	0.0020 1.21%
Mg 279.077†	976.8	3.18	mg/L	0.009	3.18	mg/L	0.009 0.29%
Ni 231.604†	52767.1	1.13	mg/L	0.002	1.13	mg/L	0.002 0.17%
Pb 220.353†	8.5	0.000	mg/L	0.0010	0	mg/L	0.0010 115.29%
Sb 206.836†	2.4	0.000	mg/L	0.0002	0	mg/L	0.0002 21.02%
Se 196.026†	4.5	0.009	mg/L	0.0017	0.009	mg/L	0.0017 52.83%
Sn 189.927†	-68.4	-0.010	mg/L	0.0025	-0.01	mg/L	0.0025 15.58%
Zn 206.200†	6659.8	0.137	mg/L	0.0009	0.137	mg/L	0.0009 0.64%
Tl 351.924†	14.1	0.005	mg/L	0.0056	0.005	mg/L	0.0056 230.25%

Sequence No.: 32  
 Sample ID: 1204187-05(L) [202562]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:.5X

Autosampler Location: 29  
 Date Collected: 4/23/2012 12:06:44 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204187-05(L) [202562]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	993822.6	2.01	mg/L	0.004				0.19%
Y 360.073	1315891.8	5.33	mg/L	0.011				0.20%
Ag 328.068†	-17545.1	-0.017	mg/L	0.0002	-0.0085	mg/L	0.0004	0.15%
Al 237.313†	1106687.4	201	mg/L	0.6	100.5	mg/L	1.3	0.33%
As 188.979†	-32.6	0.193	mg/L	0.0081	0.0965	mg/L	0.0163	31.45%
Ba 233.527†	99493.5	0.852	mg/L	0.0026	0.426	mg/L	0.005	0.28%
Be 313.107†	22310.4	0.008	mg/L	0.0000	0.004	mg/L	0.0000	0.29%
Ca 317.933†	344995.4	94.8	mg/L	0.12	47.4	mg/L	0.2	0.13%
Cd 226.502†	4634.3	-0.042	mg/L	0.0002	-0.021	mg/L	0.0004	0.20%
Co 228.616†	4909.1	0.151	mg/L	0.0007	0.0755	mg/L	0.0013	0.35%
Cr 267.716†	75291.4	0.636	mg/L	0.0022	0.318	mg/L	0.004	0.37%
Cu 327.393†	659702.9	4.73	mg/L	0.000	2.365	mg/L	0.000	0.00%
Fe 238.204†	796927.2	992	mg/L	1.2	496	mg/L	2.5	0.12%
Mg 279.077†	31665.3	103	mg/L	0.1	51.5	mg/L	0.3	0.12%
Ni 231.604†	22305.7	0.471	mg/L	0.0024	0.2355	mg/L	0.0047	0.49%
Pb 220.353†	77251.5	8.26	mg/L	0.056	4.13	mg/L	0.11	0.68%
Sb 206.836†	-56.0	0.006	mg/L	0.0004	0.003	mg/L	0.0008	2.07%
Se 196.026†	-234.9	0.037	mg/L	0.0008	0.0185	mg/L	0.0016	0.33%
Sn 189.927†	-90.5	0.006	mg/L	0.0023	0.003	mg/L	0.0046	10.89%
Zn 206.200†	260267.0	5.36	mg/L	0.043	2.68	mg/L	0.09	0.79%
Tl 351.924†	179.9	0.270	mg/L	0.0017	0.135	mg/L	0.0034	4.71%

Sequence No.: 33  
 Sample ID: 1204187-08(L) [202563]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:.3X

Autosampler Location: 30  
 Date Collected: 4/23/2012 12:11:16 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204187-08(L) [202563]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	698414.2	1.41	mg/L	0.010				0.71%
Y 360.073	522136.3	2.11	mg/L	0.014				0.65%
Ag 328.068†	-11677.5	-0.027	mg/L	0.0001	-0.0081	mg/L	0.0004	0.32%
Al 237.313†	765717.3	138	mg/L	1.5	41.4	mg/L	4.9	1.06%
As 188.979†	-51.4	0.045	mg/L	0.0026	0.0135	mg/L	0.0088	9.09%
Ba 233.527†	63168.0	0.551	mg/L	0.0009	0.1653	mg/L	0.003	0.12%
Be 313.107†	3745.8	0.001	mg/L	0.0000	0.0003	mg/L	0.0000	1.16%
Ca 317.933†	75216.0	20.5	mg/L	0.02	6.15	mg/L	0.07	0.12%
Cd 226.502†	2630.8	-0.009	mg/L	0.0002	-0.0027	mg/L	0.0007	0.77%
Co 228.616†	2880.6	0.095	mg/L	0.0004	0.0285	mg/L	0.0012	0.47%
Cr 267.716†	103508.6	0.844	mg/L	0.0007	0.2532	mg/L	0.002	0.10%
Cu 327.393†	109416.3	0.789	mg/L	0.0014	0.2367	mg/L	0.005	0.17%
Fe 238.204†	318375.9	396	mg/L	4.6	118.8	mg/L	15.3	1.16%
Mg 279.077†	12962.5	42.1	mg/L	0.20	12.63	mg/L	0.7	0.48%
Ni 231.604†	18196.5	0.387	mg/L	0.0017	0.1161	mg/L	0.006	0.44%
Pb 220.353†	4713.3	0.531	mg/L	0.0043	0.1593	mg/L	0.014	0.80%
Sb 206.836†	-26.4	0.004	mg/L	0.0008	0.0012	mg/L	0.0026	9.73%
Se 196.026†	-138.2	-0.021	mg/L	0.0006	-0.0063	mg/L	0.0020	0.42%
Sn 189.927†	-186.7	-0.038	mg/L	0.0002	-0.0114	mg/L	0.0007	0.47%
Zn 206.200†	36180.2	0.733	mg/L	0.0036	0.2199	mg/L	0.012	0.45%
Tl 351.924†	245.7	0.140	mg/L	0.0021	0.042	mg/L	0.0070	7.46%

Sequence No.: 34  
 Sample ID: 1204202-01(L) [202564]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 5X

Autosampler Location: 31  
 Date Collected: 4/23/2012 12:16:16 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: 1204202-01(L) [202564]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	509246.9	1.03	mg/L	0.002				0.15%
Y 360.073	256439.9	1.04	mg/L	0.001				0.14%
Ag 328.068†	-60.8	0.000	mg/L	0.0002	0	mg/L	0.0005	85.76%
Al 237.313†	2906.4	0.542	mg/L	0.0058	0.271	mg/L	0.012	1.17%
As 188.979†	4.7	0.009	mg/L	0.0034	0.0045	mg/L	0.0068	95.60%
Ba 233.527†	6480.6	0.058	mg/L	0.0000	0.029	mg/L	0.0001	0.05%
Be 313.107†	1589.2	0.001	mg/L	0.0000	0.0005	mg/L	0.0001	4.47%
Ca 317.933†	107824.2	29.9	mg/L	0.06	14.95	mg/L	0.13	0.21%
Cd 226.502†	91.3	0.000	mg/L	0.0002	0	mg/L	0.0004	20.73%
Co 228.616†	100.1	0.003	mg/L	0.0001	0.0015	mg/L	0.0001	2.09%
Cr 267.716†	593.0	0.005	mg/L	0.0000	0.0025	mg/L	0.0000	0.53%
Cu 327.393†	9861.0	0.071	mg/L	0.0006	0.0355	mg/L	0.0013	0.92%
Fe 238.204†	6041.8	7.52	mg/L	0.070	3.76	mg/L	0.14	0.93%
Mg 279.077†	1466.1	4.77	mg/L	0.038	2.385	mg/L	0.077	0.81%
Ni 231.604†	662.5	0.014	mg/L	0.0002	0.007	mg/L	0.0005	1.73%
Pb 220.353†	654.9	0.069	mg/L	0.0026	0.0345	mg/L	0.0053	3.77%
Sb 206.836†	-2.9	-0.002	mg/L	0.0010	-0.001	mg/L	0.0019	89.78%
Se 196.026†	8.4	0.015	mg/L	0.0001	0.0075	mg/L	0.0003	2.82%
Sn 189.927†	-84.4	-0.011	mg/L	0.0005	-0.0055	mg/L	0.0009	2.34%
Zn 206.200†	89473.0	1.86	mg/L	0.008	0.93	mg/L	0.016	0.42%
Tl 351.924†	49.5	0.014	mg/L	0.0020	0.007	mg/L	0.0039	23.07%

Sequence No.: 35  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 4/23/2012 12:21:35 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

## Mean Data: CCV

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Sc 361.383	519690.0	1.05	mg/L	0.003				0.29%
Y 360.073	262955.7	1.06	mg/L	0.005				0.43%
Ag 328.068†	237182.2	1.01	mg/L	0.005	1.01	mg/L	0.005	0.46%
	QC value within limits for Ag 328.068 Recovery = 101.18%							
Al 237.313†	6077.5	1.08	mg/L	0.014	1.08	mg/L	0.014	1.27%
As 188.979†	1350.6	1.04	mg/L	0.003	1.04	mg/L	0.003	0.26%
	QC value within limits for As 188.979 Recovery = 103.73%							
Ba 233.527†	108820.5	0.979	mg/L	0.0055	0.979	mg/L	0.0055	0.57%
	QC value within limits for Ba 233.527 Recovery = 97.95%							
Be 313.107†	2711906.0	1.03	mg/L	0.012	1.03	mg/L	0.012	1.17%
	QC value within limits for Be 313.107 Recovery = 102.68%							
Ca 317.933†	44992.4	12.5	mg/L	0.06	12.5	mg/L	0.06	0.50%
	QC value greater than the upper limit for Ca 317.933 Recovery = 113.56%							
Cd 226.502†	93554.7	1.00	mg/L	0.007	1	mg/L	0.007	0.66%
	QC value within limits for Cd 226.502 Recovery = 100.30%							
Co 228.616†	27533.5	1.02	mg/L	0.004	1.02	mg/L	0.004	0.43%
	QC value within limits for Co 228.616 Recovery = 101.70%							
Cr 267.716†	122991.1	0.987	mg/L	0.0057	0.987	mg/L	0.0057	0.58%
	QC value within limits for Cr 267.716 Recovery = 98.68%							
Cu 327.393†	142075.2	1.01	mg/L	0.002	1.01	mg/L	0.002	0.21%
	QC value within limits for Cu 327.393 Recovery = 101.39%							
Fe 238.204†	871.2	1.08	mg/L	0.023	1.08	mg/L	0.023	2.08%
	QC value within limits for Fe 238.204 Recovery = 108.30%							
Mg 279.077†	292.3	0.948	mg/L	0.0150	0.948	mg/L	0.0150	1.57%
	QC value within limits for Mg 279.077 Recovery = 94.79%							
Ni 231.604†	46577.2	0.996	mg/L	0.0077	0.996	mg/L	0.0077	0.77%

QC value within limits for Ni 231.604	Recovery = 99.64%
Pb 220.353† 9269.5 0.987 mg/L 0.0039 0.987 mg/L 0.0039 0.39%	
QC value within limits for Pb 220.353	Recovery = 98.65%
Sb 206.836† 2634.5 0.975 mg/L 0.0009 0.975 mg/L 0.0009 0.09%	
QC value within limits for Sb 206.836	Recovery = 97.51%
Se 196.026† 1382.0 1.01 mg/L 0.006 1.01 mg/L 0.006 0.63%	
QC value within limits for Se 196.026	Recovery = 100.85%
Sn 189.927† 4411.7 1.02 mg/L 0.002 1.02 mg/L 0.002 0.21%	
QC value within limits for Sn 189.927	Recovery = 101.94%
Zn 206.200† 46601.7 0.967 mg/L 0.0081 0.967 mg/L 0.0081 0.84%	
QC value within limits for Zn 206.200	Recovery = 96.72%
Tl 351.924† 5988.2 1.04 mg/L 0.003 1.04 mg/L 0.003 0.33%	
QC value within limits for Tl 351.924	Recovery = 104.12%

QC Failed. Retry.

Sequence No.: 36  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 4/23/2012 12:25:58 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	522452.9	1.06 mg/L	0.003			0.29%
Y 360.073	264070.6	1.07 mg/L	0.003			0.29%
Ag 328.068†	237461.0	1.01 mg/L	0.002	1.01 mg/L	0.002	0.16%
QC value within limits for Ag 328.068						Recovery = 101.30%
Al 237.313†	6110.8	1.09 mg/L	0.014	1.09 mg/L	0.014	1.29%
As 188.979†	1368.8	1.05 mg/L	0.002	1.05 mg/L	0.002	0.22%
QC value within limits for As 188.979						Recovery = 105.13%
Ba 233.527†	109308.8	0.984 mg/L	0.0034	0.984 mg/L	0.0034	0.35%
QC value within limits for Ba 233.527						Recovery = 98.39%
Be 313.107†	2740994.1	1.04 mg/L	0.004	1.04 mg/L	0.004	0.37%
QC value within limits for Be 313.107						Recovery = 103.78%
Ca 317.933†	45907.8	12.7 mg/L	0.08	12.7 mg/L	0.08	0.60%
QC value greater than the upper limit for Ca 317.933						Recovery = 115.87%
Cd 226.502†	94558.9	1.01 mg/L	0.005	1.01 mg/L	0.005	0.51%
QC value within limits for Cd 226.502						Recovery = 101.38%
Co 228.616†	27755.7	1.03 mg/L	0.000	1.03 mg/L	0.000	0.01%
QC value within limits for Co 228.616						Recovery = 102.52%
Cr 267.716†	123496.3	0.991 mg/L	0.0048	0.991 mg/L	0.0048	0.48%
QC value within limits for Cr 267.716						Recovery = 99.09%
Cu 327.393†	142106.1	1.01 mg/L	0.001	1.01 mg/L	0.001	0.12%
QC value within limits for Cu 327.393						Recovery = 101.41%
Fe 238.204†	820.1	1.02 mg/L	0.003	1.02 mg/L	0.003	0.29%
QC value within limits for Fe 238.204						Recovery = 101.93%
Mg 279.077†	295.4	0.958 mg/L	0.0095	0.958 mg/L	0.0095	0.99%
QC value within limits for Mg 279.077						Recovery = 95.79%
Ni 231.604†	46895.2	1.00 mg/L	0.007	1 mg/L	0.007	0.66%
QC value within limits for Ni 231.604						Recovery = 100.32%
Pb 220.353†	9364.1	0.997 mg/L	0.0002	0.997 mg/L	0.0002	0.02%
QC value within limits for Pb 220.353						Recovery = 99.66%
Sb 206.836†	2649.0	0.980 mg/L	0.0023	0.98 mg/L	0.0023	0.23%
QC value within limits for Sb 206.836						Recovery = 98.05%
Se 196.026†	1384.1	1.01 mg/L	0.015	1.01 mg/L	0.015	1.52%
QC value within limits for Se 196.026						Recovery = 101.01%
Sn 189.927†	4473.9	1.03 mg/L	0.001	1.03 mg/L	0.001	0.08%
QC value within limits for Sn 189.927						Recovery = 103.38%
Zn 206.200†	47110.0	0.978 mg/L	0.0080	0.978 mg/L	0.0080	0.82%
QC value within limits for Zn 206.200						Recovery = 97.78%
Tl 351.924†	6020.2	1.05 mg/L	0.016	1.05 mg/L	0.016	1.51%
QC value within limits for Tl 351.924						Recovery = 104.67%

QC Failed. Retry.

Sequence No.: 37  
Sample ID: CCV  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 8  
Date Collected: 4/23/2012 12:30:16 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	522126.7	1.06 mg/L	0.004			0.36%
Y 360.073	263822.0	1.07 mg/L	0.005			0.42%
Ag 328.068†	239116.5	1.02 mg/L	0.003	1.02 mg/L	0.003	0.33%
QC value within limits for Ag 328.068 Recovery = 102.01%						
Al 237.313†	5911.3	1.05 mg/L	0.012	1.05 mg/L	0.012	1.13%
As 188.979†	1377.1	1.06 mg/L	0.012	1.06 mg/L	0.012	1.12%
QC value within limits for As 188.979 Recovery = 105.77%						
Ba 233.527†	109385.7	0.985 mg/L	0.0023	0.985 mg/L	0.0023	0.23%
QC value within limits for Ba 233.527 Recovery = 98.45%						
Be 313.107†	2751075.4	1.04 mg/L	0.007	1.04 mg/L	0.007	0.68%
QC value within limits for Be 313.107 Recovery = 104.16%						
Ca 317.933†	45795.6	12.7 mg/L	0.20	12.7 mg/L	0.20	1.56%
QC value greater than the upper limit for Ca 317.933 Recovery = 115.59%						
Cd 226.502†	95033.8	1.02 mg/L	0.003	1.02 mg/L	0.003	0.29%
QC value within limits for Cd 226.502 Recovery = 101.89%						
Co 228.616†	27925.9	1.03 mg/L	0.006	1.03 mg/L	0.006	0.55%
QC value within limits for Co 228.616 Recovery = 103.15%						
Cr 267.716†	123744.9	0.993 mg/L	0.0017	0.993 mg/L	0.0017	0.17%
QC value within limits for Cr 267.716 Recovery = 99.29%						
Cu 327.393†	142154.1	1.01 mg/L	0.001	1.01 mg/L	0.001	0.12%
QC value within limits for Cu 327.393 Recovery = 101.45%						
Fe 238.204†	741.3	0.921 mg/L	0.0049	0.921 mg/L	0.0049	0.53%
QC value within limits for Fe 238.204 Recovery = 92.12%						
Mg 279.077†	289.7	0.939 mg/L	0.0181	0.939 mg/L	0.0181	1.92%
QC value within limits for Mg 279.077 Recovery = 93.95%						
Ni 231.604†	47025.9	1.01 mg/L	0.002	1.01 mg/L	0.002	0.24%
QC value within limits for Ni 231.604 Recovery = 100.60%						
Pb 220.353†	9438.0	1.00 mg/L	0.005	1 mg/L	0.005	0.53%
QC value within limits for Pb 220.353 Recovery = 100.45%						
Sb 206.836†	2675.8	0.990 mg/L	0.0069	0.99 mg/L	0.0069	0.70%
QC value within limits for Sb 206.836 Recovery = 99.04%						
Se 196.026†	1403.7	1.02 mg/L	0.003	1.02 mg/L	0.003	0.28%
QC value within limits for Se 196.026 Recovery = 102.44%						
Sn 189.927†	4507.2	1.04 mg/L	0.004	1.04 mg/L	0.004	0.37%
QC value within limits for Sn 189.927 Recovery = 104.15%						
Zn 206.200†	47333.2	0.982 mg/L	0.0021	0.982 mg/L	0.0021	0.22%
QC value within limits for Zn 206.200 Recovery = 98.24%						
Tl 351.924†	6016.7	1.05 mg/L	0.004	1.05 mg/L	0.004	0.40%
QC value within limits for Tl 351.924 Recovery = 104.61%						

QC Failed. Continue with analysis.

Sequence No.: 38  
Sample ID: CCB  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 1  
Date Collected: 4/23/2012 12:35:43 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	533666.0	1.08 mg/L	0.005			0.42%
Y 360.073	271579.0	1.10 mg/L	0.004			0.35%
Ag 328.068†	1142.7	0.005 mg/L	0.0004	0.005 mg/L	0.0004	7.96%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	38.9	0.007 mg/L	0.0013	0.007 mg/L	0.0013	19.02%

As 188.979†	5.0	0.004 mg/L	0.0004	0.004 mg/L	0.0004	10.70%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	74.7	0.001 mg/L	0.0003	0.001 mg/L	0.0003	38.71%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	3566.3	0.001 mg/L	0.0000	0.001 mg/L	0.0000	0.58%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	36.1	0.010 mg/L	0.0024	0.01 mg/L	0.0024	24.06%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 226.502†	30.8	0.000 mg/L	0.0001	0 mg/L	0.0001	22.23%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	39.1	0.001 mg/L	0.0006	0.001 mg/L	0.0006	41.69%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	39.7	0.000 mg/L	0.0009	0 mg/L	0.0009	279.20%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	499.3	0.004 mg/L	0.0004	0.004 mg/L	0.0004	11.77%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	5.2	0.006 mg/L	0.0024	0.006 mg/L	0.0024	37.76%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	7.4	0.024 mg/L	0.0145	0.024 mg/L	0.0145	60.24%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	1.3	0.000 mg/L	0.0001	0 mg/L	0.0001	318.39%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-21.1	-0.002 mg/L	0.0007	-0.002 mg/L	0.0007	32.22%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	3.0	0.001 mg/L	0.0008	0.001 mg/L	0.0008	72.89%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	2.2	0.002 mg/L	0.0107	0.002 mg/L	0.0107	660.63%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	5.5	0.001 mg/L	0.0019	0.001 mg/L	0.0019	151.21%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	16.4	0.000 mg/L	0.0002	0 mg/L	0.0002	47.52%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	57.9	0.010 mg/L	0.0043	0.01 mg/L	0.0043	43.16%
QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 39  
Sample ID: 1204247-01(L) [202565]  
Analyst:  
Initial Sample Wt:  
Dilution: 1.0X

Autosampler Location: 32  
Date Collected: 4/23/2012 12:40:16 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: 1204247-01(L) [202565]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	497582.8	1.01 mg/L	0.002				0.17%
Y 360.073	250306.7	1.01 mg/L	0.002				0.18%
Ag 328.068†	1297.2	0.005 mg/L	0.0001	0.005 mg/L	0.0001		2.47%
Al 237.313†	958.1	0.171 mg/L	0.0174	0.171 mg/L	0.0174		10.12%
As 188.979†	4.5	0.012 mg/L	0.0066	0.012 mg/L	0.0066		185.42%
Ba 233.527†	3536.1	0.032 mg/L	0.0001	0.032 mg/L	0.0001		0.33%
Be 313.107†	1966.0	0.001 mg/L	0.0000	0.001 mg/L	0.0000		5.92%
Ca 317.933†	195274.6	54.2 mg/L	0.87	54.2 mg/L	0.87		1.60%
Cd 226.502†	-12.0	0.000 mg/L	0.0001	0 mg/L	0.0001		63.88%
Co 228.616†	151.8	0.005 mg/L	0.0001	0.005 mg/L	0.0001		2.29%
Cr 267.716†	2152.1	0.017 mg/L	0.0005	0.017 mg/L	0.0005		3.04%
Cu 327.393†	15434.5	0.112 mg/L	0.0001	0.112 mg/L	0.0001		0.03%
Fe 238.204†	1891.7	2.35 mg/L	0.004	2.35 mg/L	0.004		0.17%
Mg 279.077†	2099.7	6.83 mg/L	0.042	6.83 mg/L	0.042		0.61%
Ni 231.604†	204.1	0.004 mg/L	0.0006	0.004 mg/L	0.0006		13.60%
Pb 220.353†	48.3	0.004 mg/L	0.0002	0.004 mg/L	0.0002		4.05%
Sb 206.836†	-4.1	-0.004 mg/L	0.0030	-0.004 mg/L	0.0030		201.33%
Se 196.026†	10.0	0.022 mg/L	0.0009	0.022 mg/L	0.0009		16.71%
Sn 189.927†	-108.0	-0.010 mg/L	0.0006	-0.01 mg/L	0.0006		3.21%
Zn 206.200†	27981.3	0.579 mg/L	0.0027	0.579 mg/L	0.0027		0.45%
Tl 351.924†	64.2	0.018 mg/L	0.0073	0.018 mg/L	0.0073		64.18%

00282



Sequence No.: 40  
 Sample ID: 1204238-01(L) [202566]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 33  
 Date Collected: 4/23/2012 12:45:29 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204238-01(L) [202566]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	508578.2	1.03	mg/L	0.002			0.22%
Y 360.073	254194.5	1.03	mg/L	0.002			0.15%
Ag 328.068†	1217.4	0.005	mg/L	0.0001	0.005 mg/L	0.0001	1.28%
Al 237.313†	1046.4	0.178	mg/L	0.0092	0.178 mg/L	0.0092	5.00%
As 188.979†	7.2	0.014	mg/L	0.0013	0.014 mg/L	0.0013	22.46%
Ba 233.527†	1393.5	0.012	mg/L	0.0001	0.012 mg/L	0.0001	1.15%
Be 313.107†	1625.8	0.001	mg/L	0.0000	0.001 mg/L	0.0000	0.26%
Ca 317.933†	214734.2	59.6	mg/L	0.68	59.6 mg/L	0.68	1.14%
Cd 226.502†	-48.1	0.000	mg/L	0.0001	0 mg/L	0.0001	28.71%
Co 228.616†	22.6	0.001	mg/L	0.0001	0.001 mg/L	0.0001	10.11%
Cr 267.716†	38113.8	0.306	mg/L	0.0000	0.306 mg/L	0.0000	0.01%
Cu 327.393†	16843.1	0.122	mg/L	0.0005	0.122 mg/L	0.0005	0.46%
Fe 238.204†	149.5	0.183	mg/L	0.0004	0.183 mg/L	0.0004	0.23%
Mg 279.077†	212.7	0.686	mg/L	0.0046	0.686 mg/L	0.0046	0.67%
Ni 231.604†	13701.1	0.293	mg/L	0.0000	0.293 mg/L	0.0000	0.02%
Pb 220.353†	44.1	0.003	mg/L	0.0021	0.003 mg/L	0.0021	44.75%
Sb 206.836†	76.6	0.026	mg/L	0.0002	0.026 mg/L	0.0002	0.89%
Se 196.026†	4.2	0.023	mg/L	0.0059	0.023 mg/L	0.0059	199.26%
Sn 189.927†	-95.4	-0.006	mg/L	0.0020	-0.006 mg/L	0.0020	8.41%
Zn 206.200†	2642.7	0.052	mg/L	0.0003	0.052 mg/L	0.0003	0.58%
Tl 351.924†	-28.7	0.002	mg/L	0.0031	0.002 mg/L	0.0031	64.87%

Sequence No.: 41  
 Sample ID: 1204247-01DUP(L) [202568]  
 Analyst:  
 Initial Sample Wt:  
 Dilution:1.0X

Autosampler Location: 34  
 Date Collected: 4/23/2012 12:50:45 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204247-01DUP(L) [202568]

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	503647.7	1.02	mg/L	0.013			1.24%
Y 360.073	253392.3	1.03	mg/L	0.014			1.35%
Ag 328.068†	197.6	0.001	mg/L	0.0004	0.001 mg/L	0.0004	49.32%
Al 237.313†	890.9	0.160	mg/L	0.0028	0.16 mg/L	0.0028	1.73%
As 188.979†	1.9	0.009	mg/L	0.0029	0.009 mg/L	0.0029	182.16%
Ba 233.527†	3574.3	0.032	mg/L	0.0003	0.032 mg/L	0.0003	0.85%
Be 313.107†	1539.9	0.001	mg/L	0.0000	0.001 mg/L	0.0000	1.99%
Ca 317.933†	186121.6	51.7	mg/L	1.30	51.7 mg/L	1.30	2.51%
Cd 226.502†	-26.7	0.000	mg/L	0.0003	0 mg/L	0.0003	89.66%
Co 228.616†	155.8	0.006	mg/L	0.0003	0.006 mg/L	0.0003	5.15%
Cr 267.716†	2057.6	0.017	mg/L	0.0000	0.017 mg/L	0.0000	0.22%
Cu 327.393†	14894.1	0.108	mg/L	0.0002	0.108 mg/L	0.0002	0.12%
Fe 238.204†	1880.9	2.33	mg/L	0.041	2.33 mg/L	0.041	1.74%
Mg 279.077†	1971.8	6.41	mg/L	0.116	6.41 mg/L	0.116	1.81%
Ni 231.604†	233.5	0.005	mg/L	0.0000	0.005 mg/L	0.0000	0.73%
Pb 220.353†	59.2	0.005	mg/L	0.0010	0.005 mg/L	0.0010	16.50%
Sb 206.836†	-14.5	-0.008	mg/L	0.0020	-0.008 mg/L	0.0020	37.78%
Se 196.026†	19.1	0.028	mg/L	0.0083	0.028 mg/L	0.0083	56.91%
Sn 189.927†	-127.0	-0.015	mg/L	0.0030	-0.015 mg/L	0.0030	11.50%
Zn 206.200†	27390.4	0.566	mg/L	0.0030	0.566 mg/L	0.0030	0.54%
Tl 351.924†	-66.5	-0.005	mg/L	0.0134	-0.005 mg/L	0.0134	114.24%

Duplicate Check: 1204247-01DUP(L) [202568]

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Difference (%)
Sc 361.383					
Y 360.073					

Ag 328.068†	0.005	0.001	0.000	mg/L	157.3
Al 237.313†	0.178	0.160	0.003	mg/L	11.1
As 188.979†	0.014	0.009	0.003	mg/L	41.4
Ba 233.527†	0.012	0.032	0.000	mg/L	88.4
Be 313.107†	0.001	0.001	0.000	mg/L	5.3
Ca 317.933†	59.6	51.676	1.300	mg/L	14.3
Cd 226.502†	0.000	0.000	0.000	mg/L	-72.3
Co 228.616†	0.001	0.006	0.000	mg/L	159.3
Cr 267.716†	0.306	0.017	0.000	mg/L	179.3
Cu 327.393†	0.122	0.108	0.000	mg/L	12.1
Fe 238.204†	0.183	2.334	0.041	mg/L	170.9
Mg 279.077†	0.686	6.415	0.116	mg/L	161.4
Ni 231.604†	0.293	0.005	0.000	mg/L	193.5
Pb 220.353†	0.003	0.005	0.001	mg/L	44.5
Sb 206.836†	0.026	-0.008	0.002	mg/L	375.1
Se 196.026†	0.023	0.028	0.008	mg/L	18.5
Sn 189.927†	-0.006	-0.015	0.003	mg/L	-93.5
Zn 206.200†	0.052	0.566	0.003	mg/L	166.4
Tl 351.924†	0.002	-0.005	0.013	mg/L	-561.2

Sequence No.: 42

Sample ID: 1204247-01DIL(L) [202568]

Analyst:

Initial Sample Wt:

Dilution:1.0X

Autosampler Location: 35

Date Collected: 4/23/2012 12:56:01 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204247-01DIL(L) [202568]

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
Sc 361.383	504268.3	1.02	mg/L	0.004				0.43%
Y 360.073	255804.5	1.04	mg/L	0.005				0.47%
Ag 328.068†	138.2	0.001	mg/L	0.0002	0.001	mg/L	0.0002	25.60%
Al 237.313†	205.8	0.037	mg/L	0.0065	0.037	mg/L	0.0065	17.60%
As 188.979†	7.1	0.007	mg/L	0.0048	0.007	mg/L	0.0048	88.06%
Ba 233.527†	750.0	0.007	mg/L	0.0001	0.007	mg/L	0.0001	1.54%
Be 313.107†	1490.0	0.001	mg/L	0.0000	0.001	mg/L	0.0000	3.41%
Ca 317.933†	38424.2	10.7	mg/L	0.08	10.7	mg/L	0.08	0.72%
Cd 226.502†	-23.6	0.000	mg/L	0.0000	0	mg/L	0.0000	10.38%
Co 228.616†	29.4	0.001	mg/L	0.0001	0.001	mg/L	0.0001	11.18%
Cr 267.716†	432.2	0.004	mg/L	0.0003	0.004	mg/L	0.0003	8.57%
Cu 327.393†	3268.9	0.024	mg/L	0.0005	0.024	mg/L	0.0005	2.17%
Fe 238.204†	393.5	0.488	mg/L	0.0008	0.488	mg/L	0.0008	0.16%
Mg 279.077†	418.6	1.36	mg/L	0.032	1.36	mg/L	0.032	2.35%
Ni 231.604†	32.6	0.001	mg/L	0.0002	0.001	mg/L	0.0002	28.65%
Pb 220.353†	6.9	0.000	mg/L	0.0024	0	mg/L	0.0024	333.55%
Sb 206.836†	0.2	0.000	mg/L	0.0001	0	mg/L	0.0001	129.08%
Se 196.026†	-6.4	-0.002	mg/L	0.0117	-0.002	mg/L	0.0117	252.56%
Sn 189.927†	-33.1	-0.005	mg/L	0.0026	-0.005	mg/L	0.0026	33.84%
Zn 206.200†	5781.9	0.120	mg/L	0.0018	0.12	mg/L	0.0018	1.52%
Tl 351.924†	36.8	0.008	mg/L	0.0035	0.008	mg/L	0.0035	55.36%

Sequence No.: 43

Sample ID: 1204255-01(T) [202569]

Analyst:

Initial Sample Wt:

Dilution:1X

Autosampler Location: 36

Date Collected: 4/23/2012 1:01:44 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204255-01(T) [202569]

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
Sc 361.383	488531.5	0.989	mg/L	0.0002				0.02%
Y 360.073	245315.3	0.993	mg/L	0.0003				0.03%
Ag 328.068†	775.3	0.003	mg/L	0.0002	0.0003	mg/L	0.0017	5.03%
Al 237.313†	486.0	0.085	mg/L	0.0027	0.0085	mg/L	0.0266	3.05%
As 188.979†	5.1	0.005	mg/L	0.0052	0.0005	mg/L	0.0521	132.35%
Ba 233.527†	4379.6	0.039	mg/L	0.0001	0.0039	mg/L	0.0007	0.18%
Be 313.107†	1614.4	0.001	mg/L	0.0000	0.0001	mg/L	0.0002	3.90%
Ca 317.933†	52313.3	8.97	mg/L	0.122	0.897	mg/L	1.22	1.36%
Cd 226.502†	-21.4	0.000	mg/L	0.0000	0	mg/L	0.0000	2.05%
Co 228.616†	44.3	0.002	mg/L	0.0004	0.0002	mg/L	0.0039	23.95%

00284

Cr 267.716†	326.8	0.003 mg/L	0.0007	0 mg/L	0.0073	27.76%
Cu 327.393†	879.6	0.007 mg/L	0.0005	0.0007 mg/L	0.0052	8.31%
Fe 238.204†	33.9	0.041 mg/L	0.0016	0.0041 mg/L	0.0157	3.70%
Mg 279.077†	354.6	1.15 mg/L	0.009	0.115 mg/L	0.09	0.76%
Ni 231.604†	224.5	0.005 mg/L	0.0002	0.0005 mg/L	0.0022	4.68%
Pb 220.353†	61.2	0.006 mg/L	0.0013	0.0006 mg/L	0.0132	20.35%
Sb 206.836†	4.4	0.001 mg/L	0.0023	0.0001 mg/L	0.0229	140.25%
Se 196.026†	5.3	0.006 mg/L	0.0019	0.0006 mg/L	0.0187	49.20%
Sn 189.927†	-30.0	-0.004 mg/L	0.0018	-0.0004 mg/L	0.0180	26.51%
Zn 206.200†	1793.1	0.037 mg/L	0.0001	0.0037 mg/L	0.0012	0.30%
Tl 351.924†	-8.7	0.000 mg/L	0.0075	0 mg/L	0.0747	496.49%

Sequence No.: 44

Sample ID: CRI

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 9

Date Collected: 4/23/2012 1:06:58 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 361.383	519242.3	1.05 mg/L		0.007				0.71%
Y 360.073	265629.7	1.08 mg/L		0.008				0.73%
Ag 328.068†	1312.5	0.006 mg/L		0.0005	0.006 mg/L		0.0005	9.68%
QC value within limits for Ag 328.068 Recovery = 112%								
Al 237.313†	771.7	0.137 mg/L		0.0048	0.137 mg/L		0.0048	3.49%
QC value greater than the upper limit for Al 237.313 Recovery = 137.3%								
As 188.979†	76.2	0.058 mg/L		0.0010	0.058 mg/L		0.0010	1.76%
QC value within limits for As 188.979 Recovery = 116.8%								
Ba 233.527†	644.0	0.006 mg/L		0.0000	0.006 mg/L		0.0000	0.05%
QC value within limits for Ba 233.527 Recovery = 116%								
Be 313.107†	15847.1	0.006 mg/L		0.0000	0.006 mg/L		0.0000	0.74%
QC value within limits for Be 313.107 Recovery = 120%								
Ca 317.933†	172.7	0.048 mg/L		0.0004	0.048 mg/L		0.0004	0.50%
QC value within limits for Ca 317.933 Recovery = 96.04%								
Cd 226.502†	466.9	0.005 mg/L		0.0002	0.005 mg/L		0.0002	3.30%
QC value within limits for Cd 226.502 Recovery = 100%								
Co 228.616†	165.0	0.006 mg/L		0.0001	0.006 mg/L		0.0001	1.50%
QC value within limits for Co 228.616 Recovery = 122%								
Cr 267.716†	760.5	0.006 mg/L		0.0008	0.006 mg/L		0.0008	12.87%
QC value within limits for Cr 267.716 Recovery = 122%								
Cu 327.393†	683.9	0.005 mg/L		0.0008	0.005 mg/L		0.0008	9.54%
QC value within limits for Cu 327.393 Recovery = 97.6%								
Fe 238.204†	11.0	0.014 mg/L		0.0018	0.014 mg/L		0.0018	4.84%
QC value within limits for Fe 238.204 Recovery = 91.73%								
Mg 279.077†	19.0	0.062 mg/L		0.0121	0.062 mg/L		0.0121	19.57%
QC value within limits for Mg 279.077 Recovery = 123.6%								
Ni 231.604†	635.8	0.014 mg/L		0.0005	0.014 mg/L		0.0005	3.41%
QC value greater than the upper limit for Ni 231.604 Recovery = 136%								
Pb 220.353†	101.7	0.011 mg/L		0.0022	0.011 mg/L		0.0022	20.19%
QC value within limits for Pb 220.353 Recovery = 108%								
Sb 206.836†	133.2	0.049 mg/L		0.0001	0.049 mg/L		0.0001	0.24%
QC value within limits for Sb 206.836 Recovery = 98.6%								
Se 196.026†	67.6	0.049 mg/L		0.0052	0.049 mg/L		0.0052	10.57%
QC value within limits for Se 196.026 Recovery = 98.2%								
Sn 189.927†	-6.0	-0.001 mg/L		0.0013	-0.001 mg/L		0.0013	190.53%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Zn 206.200†	659.0	0.014 mg/L		0.0001	0.014 mg/L		0.0001	0.64%
QC value greater than the upper limit for Zn 206.200 Recovery = 137%								
Tl 351.924†	381.7	0.066 mg/L		0.0040	0.066 mg/L		0.0040	5.98%
QC value greater than the upper limit for Tl 351.924 Recovery = 132.4%								

QC Failed. Continue with analysis.

Sequence No.: 45  
Sample ID: ICSA  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 10  
Date Collected: 4/23/2012 1:11:31 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	488399.3	0.988 mg/L	0.0020			0.20%
Y 360.073	245652.9	0.995 mg/L	0.0018			0.18%
Ag 328.068†	-277.9	-0.005 mg/L	0.0003	-0.005 mg/L	0.0003	1.42%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	644172.2	114.359 mg/L	0.2	114.359 mg/L	0.2	0.19%
QC value within limits for Al 237.313 Recovery = 114.36%						
As 188.979†	68.7	0.016 mg/L	0.0031	0.016 mg/L	0.0031	12.97%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	-576.4	0.000 mg/L	0.0001	0 mg/L	0.0001	1.01%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	1690.3	0.001 mg/L	0.0001	0.001 mg/L	0.0001	8.36%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	409155.4	113.724 mg/L	1.1	113.724 mg/L	1.1	0.86%
QC value within limits for Ca 317.933 Recovery = 113.72%						
Cd 226.502†	-777.0	0.000 mg/L	0.0001	0 mg/L	0.0001	0.30%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	-116.3	-0.001 mg/L	0.0002	-0.001 mg/L	0.0002	9.12%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	614.2	0.002 mg/L	0.0000	0.002 mg/L	0.0000	0.06%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	1246.9	0.001 mg/L	0.0006	0.001 mg/L	0.0006	44.93%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	78230.8	97.511 mg/L	0.87	97.511 mg/L	0.87	0.89%
QC value within limits for Fe 238.204 Recovery = 97.51%						
Mg 279.077†	31775.3	103.532 mg/L	0.8	103.532 mg/L	0.8	0.78%
QC value within limits for Mg 279.077 Recovery = 103.53%						
Ni 231.604†	435.1	0.01 mg/L	0.0002	0.01 mg/L	0.0002	2.12%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	284.8	0.008 mg/L	0.0006	0.008 mg/L	0.0006	12.36%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-14.7	-0.004 mg/L	0.0042	-0.004 mg/L	0.0042	153.34%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	30.7	0.02 mg/L	0.0022	0.02 mg/L	0.0022	12.38%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	88.2	-0.01 mg/L	0.0031	-0.01 mg/L	0.0031	7.33%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	-969.5	-0.006 mg/L	0.0004	-0.006 mg/L	0.0004	5.64%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	286.0	0.006 mg/L	0.0250	0.006 mg/L	0.0250	68.20%
QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 46  
Sample ID: ICSAB  
Analyst:  
Initial Sample Wt:  
Dilution:

Autosampler Location: 11  
Date Collected: 4/23/2012 1:16:06 PM  
Data Type: Original  
Initial Sample Vol:  
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	495676.4	1.00 mg/L	0.002			0.21%
Y 360.073	249387.6	1.01 mg/L	0.002			0.17%
Ag 328.068†	239501.0	1.018 mg/L	0.002	1.018 mg/L	0.002	0.20%
QC value within limits for Ag 328.068 Recovery = 101.82%						

Al 237.313†	643882.4	114.304 mg/L	0.4	114.304 mg/L	0.4	0.39%
QC value within limits for Al 237.313 Recovery = 114.3%						
As 188.979†	1490.6	1.105 mg/L	0.000	1.105 mg/L	0.000	0.01%
QC value within limits for As 188.979 Recovery = 110.54%						
Ba 233.527†	107556.5	0.974 mg/L	0.0023	0.974 mg/L	0.0023	0.24%
QC value within limits for Ba 233.527 Recovery = 97.35%						
Be 313.107†	2774426.4	1.051 mg/L	0.005	1.051 mg/L	0.005	0.46%
QC value within limits for Be 313.107 Recovery = 105.05%						
Ca 317.933†	402246.1	111.806 mg/L	0.4	111.806 mg/L	0.4	0.36%
QC value within limits for Ca 317.933 Recovery = 111.81%						
Cd 226.502†	92803.5	1.003 mg/L	0.000	1.003 mg/L	0.000	0.04%
QC value within limits for Cd 226.502 Recovery = 100.28%						
Co 228.616†	27094.5	1.005 mg/L	0.005	1.005 mg/L	0.005	0.46%
QC value within limits for Co 228.616 Recovery = 100.47%						
Cr 267.716†	127339.6	1.019 mg/L	0.000	1.019 mg/L	0.000	0.02%
QC value within limits for Cr 267.716 Recovery = 101.87%						
Cu 327.393†	146252.5	1.036 mg/L	0.002	1.036 mg/L	0.002	0.17%
QC value within limits for Cu 327.393 Recovery = 103.62%						
Fe 238.204†	78887.7	98.328 mg/L	0.27	98.328 mg/L	0.27	0.28%
QC value within limits for Fe 238.204 Recovery = 98.33%						
Mg 279.077†	31170.4	101.564 mg/L	0.4	101.564 mg/L	0.4	0.40%
QC value within limits for Mg 279.077 Recovery = 101.56%						
Ni 231.604†	45091.4	0.965 mg/L	0.0010	0.965 mg/L	0.0010	0.10%
QC value within limits for Ni 231.604 Recovery = 96.49%						
Pb 220.353†	9686.7	1.009 mg/L	0.006	1.009 mg/L	0.006	0.57%
QC value within limits for Pb 220.353 Recovery = 100.9%						
Sb 206.836†	2701.6	1.001 mg/L	0.005	1.001 mg/L	0.005	0.48%
QC value within limits for Sb 206.836 Recovery = 100.1%						
Se 196.026†	1448.4	1.05 mg/L	0.000	1.05 mg/L	0.000	0.01%
QC value within limits for Se 196.026 Recovery = 104.99%						
Sn 189.927†	86.5	-0.01 mg/L	0.0014	-0.01 mg/L	0.0014	3.47%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	45502.3	0.959 mg/L	0.0023	0.959 mg/L	0.0023	0.24%
QC value within limits for Zn 206.200 Recovery = 95.92%						
Tl 351.924†	6722.1	1.123 mg/L	0.001	1.123 mg/L	0.001	0.10%
QC value within limits for Tl 351.924 Recovery = 112.29%						

All analyte(s) passed QC.

Sequence No.: 47

Sample ID: 1204187-05 (L) [202562]

Analyst:

Initial Sample Wt:

Dilution: 5X

Autosampler Location: 29

Date Collected: 4/23/2012 1:23:02 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: 1204187-05 (L) [202562]

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
Sc 361.383	552230.4	1.12 mg/L	0.001			0.09%	
Y 360.073	371978.6	1.51 mg/L	0.001			0.05%	
Ag 328.068†	-6792.0	-0.017 mg/L	0.0007	-0.0085 mg/L	0.0015	2.45%	
Al 237.313†	428309.3	77.1 mg/L	0.16	38.55 mg/L	0.3	0.22%	
As 188.979†	-10.9	0.042 mg/L	0.0087	0.021 mg/L	0.0174	102.75%	
Ba 233.527†	40644.1	0.356 mg/L	0.0016	0.178 mg/L	0.0032	0.43%	
Be 313.107†	9938.1	0.004 mg/L	0.0000	0.002 mg/L	0.0000	0.19%	
Ca 317.933†	140074.8	38.7 mg/L	0.09	19.35 mg/L	0.17	0.23%	
Cd 226.502†	1925.2	0.001 mg/L	0.0001	0.0005 mg/L	0.0003	0.55%	
Co 228.616†	2175.5	0.074 mg/L	0.0003	0.037 mg/L	0.0007	0.41%	
Cr 267.716†	32309.0	0.266 mg/L	0.0014	0.133 mg/L	0.0028	0.54%	
Cu 327.393†	249575.1	1.79 mg/L	0.009	0.895 mg/L	0.018	0.50%	
Fe 238.204†	175589.2	219 mg/L	0.4	109.5 mg/L	0.7	0.16%	
Mg 279.077†	12666.3	41.2 mg/L	0.00	20.6 mg/L	0.01	0.01%	
Ni 231.604†	10341.5	0.220 mg/L	0.0008	0.11 mg/L	0.0015	0.35%	
Pb 220.353†	34411.5	3.68 mg/L	0.027	1.84 mg/L	0.053	0.73%	
Sb 206.836†	-34.0	-0.007 mg/L	0.0008	-0.0035 mg/L	0.0016	6.48%	
Se 196.026†	-66.9	-0.007 mg/L	0.0030	-0.0035 mg/L	0.0059	6.32%	
Sn 189.927†	-93.9	-0.012 mg/L	0.0009	-0.006 mg/L	0.0018	4.07%	

Zn 206.200†	119317.1	2.47 mg/L	0.019	1.235 mg/L	0.038	0.76%
Tl 351.924†	83.3	0.071 mg/L	0.0039	0.0355 mg/L	0.0078	26.41%

Sequence No.: 48  
 Sample ID: 1204187-08(L) [202563]  
 Analyst:  
 Initial Sample Wt:  
 Dilution: 3X

Autosampler Location: 30  
 Date Collected: 4/23/2012 1:27:42 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: 1204187-08(L) [202563]

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	537890.8	1.09 mg/L	0.002			0.17%	
Y 360.073	288980.7	1.17 mg/L	0.003			0.22%	
Ag 328.068†	-2220.5	-0.006 mg/L	0.0001	-0.0018 mg/L	0.0004	1.37%	
Al 237.313†	141336.6	25.4 mg/L	0.11	7.62 mg/L	0.38	0.45%	
As 188.979†	-10.3	0.004 mg/L	0.0028	0.0012 mg/L	0.0094	36.76%	
Ba 233.527†	12062.4	0.106 mg/L	0.0007	0.0318 mg/L	0.0022	0.62%	
Be 313.107†	1994.1	0.001 mg/L	0.0000	0.0003 mg/L	0.0001	5.80%	
Ca 317.933†	14441.2	3.95 mg/L	0.027	1.185 mg/L	0.09	0.67%	
Cd 226.502†	496.0	0.000 mg/L	0.0001	0 mg/L	0.0002	1.59%	
Co 228.616†	581.4	0.020 mg/L	0.0005	0.006 mg/L	0.0016	2.32%	
Cr 267.716†	19848.7	0.161 mg/L	0.0014	0.0483 mg/L	0.0047	0.88%	
Cu 327.393†	19857.5	0.143 mg/L	0.0006	0.0429 mg/L	0.0021	0.44%	
Fe 238.204†	44473.7	55.4 mg/L	0.29	16.62 mg/L	1.0	0.53%	
Mg 279.077†	2516.9	8.18 mg/L	0.034	2.454 mg/L	0.11	0.41%	
Ni 231.604†	3727.8	0.080 mg/L	0.0008	0.024 mg/L	0.0027	1.02%	
Pb 220.353†	912.7	0.103 mg/L	0.0002	0.0309 mg/L	0.0007	0.18%	
Sb 206.836†	1.2	0.003 mg/L	0.0035	0.0009 mg/L	0.0118	823.35%	
Se 196.026†	-23.5	-0.007 mg/L	0.0093	-0.0021 mg/L	0.0309	54.63%	
Sn 189.927†	-52.7	-0.011 mg/L	0.0002	-0.0033 mg/L	0.0008	1.95%	
Zn 206.200†	7431.8	0.151 mg/L	0.0012	0.0453 mg/L	0.0039	0.77%	
Tl 351.924†	92.9	0.030 mg/L	0.0069	0.009 mg/L	0.0229	42.19%	

Sequence No.: 49  
 Sample ID: CCV  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 8  
 Date Collected: 4/23/2012 1:38:00 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected		Calib Conc. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Sc 361.383	538025.7	1.09 mg/L	0.008			0.76%	
Y 360.073	272622.6	1.10 mg/L	0.008			0.75%	
Ag 328.068†	226836.3	0.968 mg/L	0.0053	0.968 mg/L	0.0053	0.55%	
QC value within limits for Ag 328.068 Recovery = 96.79%							
Al 237.313†	5622.7	1.0 mg/L	0.0134	1 mg/L	0.0134	1.34%	
QC value within limits for Al 237.313 Recovery = 100%							
As 188.979†	1309.5	1.002 mg/L	0.005	1.002 mg/L	0.005	0.48%	
QC value within limits for As 188.979 Recovery = 100.17%							
Ba 233.527†	105038.6	0.946 mg/L	0.0067	0.946 mg/L	0.0067	0.71%	
QC value within limits for Ba 233.527 Recovery = 94.56%							
Be 313.107†	2619809.7	0.992 mg/L	0.0102	0.992 mg/L	0.0102	1.03%	
QC value within limits for Be 313.107 Recovery = 99.19%							
Ca 317.933†	42666.0	11.848 mg/L	0.08	11.848 mg/L	0.08	0.66%	
QC value within limits for Ca 317.933 Recovery = 107.71%							
Cd 226.502†	90468.7	0.969 mg/L	0.0082	0.969 mg/L	0.0082	0.84%	
QC value within limits for Cd 226.502 Recovery = 96.9%							
Co 228.616†	26562.6	0.982 mg/L	0.0092	0.982 mg/L	0.0092	0.94%	
QC value within limits for Co 228.616 Recovery = 98.16%							
Cr 267.716†	118227.4	0.949 mg/L	0.0061	0.949 mg/L	0.0061	0.65%	
QC value within limits for Cr 267.716 Recovery = 94.85%							
Cu 327.393†	136468.9	0.974 mg/L	0.0054	0.974 mg/L	0.0054	0.56%	
QC value within limits for Cu 327.393 Recovery = 97.39%							
Fe 238.204†	747.6	0.933 mg/L	0.0085	0.933 mg/L	0.0085	1.01%	
QC value within limits for Fe 238.204 Recovery = 93.26%							

Mg 279.077†	299.5	0.979 mg/L	0.0109	0.979 mg/L	0.0109	1.22%
QC value within limits for Mg 279.077 Recovery = 97.89%						
Ni 231.604†	44836.8	0.959 mg/L	0.0079	0.959 mg/L	0.0079	0.82%
QC value within limits for Ni 231.604 Recovery = 95.92%						
Pb 220.353†	8938.8	0.952 mg/L	0.0084	0.952 mg/L	0.0084	0.88%
QC value within limits for Pb 220.353 Recovery = 95.21%						
Sb 206.836†	2518.4	0.933 mg/L	0.0049	0.933 mg/L	0.0049	0.53%
QC value within limits for Sb 206.836 Recovery = 93.25%						
Se 196.026†	1329.7	0.963 mg/L	0.0099	0.963 mg/L	0.0099	1.03%
QC value within limits for Se 196.026 Recovery = 96.28%						
Sn 189.927†	4317.9	0.991 mg/L	0.0127	0.991 mg/L	0.0127	1.29%
QC value within limits for Sn 189.927 Recovery = 99.11%						
Zn 206.200†	44766.8	0.931 mg/L	0.0087	0.931 mg/L	0.0087	0.94%
QC value within limits for Zn 206.200 Recovery = 93.05%						
Tl 351.924†	5809.2	1.006 mg/L	0.003	1.006 mg/L	0.003	0.30%
QC value within limits for Tl 351.924 Recovery = 100.62%						

All analyte(s) passed QC.

Sequence No.: 50  
 Sample ID: CCB  
 Analyst:  
 Initial Sample Wt:  
 Dilution:

Autosampler Location: 1  
 Date Collected: 4/23/2012 1:46:39 PM  
 Data Type: Original  
 Initial Sample Vol:  
 Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Sc 361.383	514060.5	1.04 mg/L	0.002			0.18%
Y 360.073	262217.0	1.06 mg/L	0.002			0.21%
Ag 328.068†	1359.5	0.006 mg/L	0.0003	0.006 mg/L	0.0003	5.88%
QC value greater then the upper limit for Ag 328.068 Recovery = Not calculate						
Al 237.313†	78.8	0.014 mg/L	0.0101	0.014 mg/L	0.0101	72.83%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	8.6	0.007 mg/L	0.0049	0.007 mg/L	0.0049	74.16%
QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	22.2	0.000 mg/L	0.0001	0 mg/L	0.0001	51.20%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	2112.9	0.001 mg/L	0.0000	0.001 mg/L	0.0000	1.94%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	27.7	0.008 mg/L	0.0012	0.008 mg/L	0.0012	15.61%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 226.502†	-0.1	0.0 mg/L	0.0000	0 mg/L	0.0000	45.58%
QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	18.9	0.001 mg/L	0.0005	0.001 mg/L	0.0005	65.89%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	49.9	0.000 mg/L	0.0001	0 mg/L	0.0001	32.28%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	266.3	0.002 mg/L	0.0001	0.002 mg/L	0.0001	7.14%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	6.3	0.008 mg/L	0.0059	0.008 mg/L	0.0059	74.62%
QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	2.9	0.009 mg/L	0.0108	0.009 mg/L	0.0108	116.21%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	-4.7	0.000 mg/L	0.0002	0 mg/L	0.0002	139.04%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-27.2	-0.003 mg/L	0.0012	-0.003 mg/L	0.0012	40.34%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	8.6	0.003 mg/L	0.0016	0.003 mg/L	0.0016	50.07%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	3.2	0.002 mg/L	0.0018	0.002 mg/L	0.0018	78.07%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-6.1	-0.001 mg/L	0.0010	-0.001 mg/L	0.0010	71.18%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	9.6	0.000 mg/L	0.0003	0 mg/L	0.0003	111.15%

QC value within limits for Zn 206.200 Recovery = Not calculated  
 Tl 351.924† 28.3 0.005 mg/L 0.0079 0.005 mg/L 0.0079 162.29%  
 QC value within limits for Tl 351.924 Recovery = Not calculated

QC Failed. Retry

Sequence No.: 51

Sample ID: CCB

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 4/23/2012 1:50:20 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected		Calib		Sample		RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	
Sc 361.383	515626.6	1.04	mg/L	0.001			0.14%
Y 360.073	262571.4	1.06	mg/L	0.001			0.12%
Ag 328.068†	210.9	0.001	mg/L	0.0001	0.001	mg/L	10.16%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	116.9	0.021	mg/L	0.0043	0.021	mg/L	20.87%
	QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	1.0	0.001	mg/L	0.0065	0.001	mg/L	862.75%
	QC value within limits for As 188.979 Recovery = Not calculated						
Ba 233.527†	22.2	0.000	mg/L	0.0001	0	mg/L	83.96%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	2641.2	0.001	mg/L	0.0000	0.001	mg/L	0.99%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	32.4	0.009	mg/L	0.0009	0.009	mg/L	10.44%
	QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 226.502†	-18.7	0.000	mg/L	0.0000	0	mg/L	11.11%
	QC value within limits for Cd 226.502 Recovery = Not calculated						
Co 228.616†	29.8	0.001	mg/L	0.0001	0.001	mg/L	6.79%
	QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	62.3	0.001	mg/L	0.0000	0.001	mg/L	9.25%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	238.4	0.002	mg/L	0.0004	0.002	mg/L	24.53%
	QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	6.2	0.008	mg/L	0.0002	0.008	mg/L	2.39%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
Mg 279.077†	12.5	0.041	mg/L	0.0058	0.041	mg/L	14.31%
	QC value within limits for Mg 279.077 Recovery = Not calculated						
Ni 231.604†	-9.3	0.000	mg/L	0.0002	0	mg/L	118.88%
	QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-27.2	-0.003	mg/L	0.0002	-0.003	mg/L	6.76%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	4.9	0.002	mg/L	0.0011	0.002	mg/L	59.58%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	6.3	0.005	mg/L	0.0023	0.005	mg/L	49.90%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-6.1	-0.001	mg/L	0.0002	-0.001	mg/L	13.51%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Zn 206.200†	-0.1	0.0	mg/L	0.0001	0	mg/L	118.83%
	QC value within limits for Zn 206.200 Recovery = Not calculated						
Tl 351.924†	-0.6	0.000	mg/L	0.0030	0	mg/L	835.29%
	QC value within limits for Tl 351.924 Recovery = Not calculated						

All analyte(s) passed QC.



# Environmental Quality Services, Inc.

208 Route 109 Suite 101, Farmingdale, NY 11735

Phone - 631-249-1456 Fax - 631-249-8344

## **Metals Digestion Logs**

*Environmental Quality Services, Inc.*

**Environmental Quality Services, Inc.  
METALS DIGESTION LOGBOOK**

Initials: JT  
 Prep Date: 4/19/2012  
 TEMP: \_\_\_\_\_

Print Date: 5/3/2012

ICP Spike: \_\_\_\_\_  
 LCSW Standard: \_\_\_\_\_  
 LCSS Standard: \_\_\_\_\_  
 HNO3 LOT#: \_\_\_\_\_  
 HCL LOT#: \_\_\_\_\_  
 H2O2 LOT#: \_\_\_\_\_

Method 3010A \_\_\_\_\_  
 Method 3050B \_\_\_\_\_  
 Method 7300 \_\_\_\_\_

Sample Custody	Matrix	PrepID	pH	Init Weight (g) or Init Vol (mL)	Final Vol (mL)	Sample Type	Standard Code	DIGESTION TIME		Temp
								In	Out	
PBS-03	S	202526		0.506	50	B		10:00:00 AM	11:30:00 AM	95
LCSS(60)-00	S	202528		0.21	50	Q				
1204205-01	S	202529		1.035	50	S				
1204205-02	S	202530		1.015	50	S				
1204205-03	S	202531		1.025	50	S				
1204205-04	S	202532		0.99	50	S				
1204205-05	S	202533		1.005	50	S				
1204205-06	S	202534		0.999	50	S				
1204205-07	S	202535		1.016	50	S				
1204205-08	S	202536		1.017	50	S				
1204205-09	S	202537		1.013	50	S				
1204205-10	S	202538		1.017	50	S				
1204205-11	S	202539		1.008	50	S				
1204205-11DUP	S	202541		1.008	50	D				
1204205-12	S	202542		0.998	50	S				
1204205-12MS	S	202543		1	50	M				
1204205-12MSD	S	202544		1.009	50	N				
1204205-13	S	202545		1.031	50	S				
PBW-52	L	202546		50	50	B		11:00:00 AM	1:30:00 PM	95
LCSW-02	L	202547		50	50	Q				
1204168-01	L	202548		50	50	S				
1204168-02	L	202549		50	50	S				
1204168-02MS	L	202550		50	50	M				
1204168-02MSD	L	202551		50	50	N				
1204168-03	L	202552		50	50	S				
1204168-04	L	202554		50	50	S				
1204168-05	L	202555		50	50	S				
1204168-06	L	202556		50	50	S				
1204168-06MS	L	202557		50	50	M				
1204168-06MSD	L	202558		50	50	N				
1204168-10	L	202559		50	50	S				
1204168-11	L	202560		50	50	S				
1204168-12	L	202561		50	50	S				
1204187-05	L	202562		25	50	S				
1204187-08	L	202563		15	50	S				
1204202-01	L	202564		25	50	S				
1204247-01	L	202565		50	50	S				
1204238-01	L	202566		50	50	S				
1204255-01	S	202567		1.008	50	S				00292

**Environmental Quality Services, Inc.  
METALS DIGESTION LOGBOOK**

Initials: JT  
 Prep Date: 4/19/2012  
 TEMP: \_\_\_\_\_

Print Date: 5/3/2012

ICP Spike: \_\_\_\_\_  
 LCSW Standard: \_\_\_\_\_  
 LCSS Standard: \_\_\_\_\_  
 HNO3 LOT#: \_\_\_\_\_  
 HCL LOT#: \_\_\_\_\_  
 H2O2 LOT#: \_\_\_\_\_

Method 3010A \_\_\_\_\_  
 Method 3050B \_\_\_\_\_  
 Method 7300 \_\_\_\_\_

Sample Custody	Matrix	PrepID	pH	Init Weight (g) or Init Vol (mL)	Final Vol (mL)	Sample Type	Standard Code	DIGESTION TIME		Temp
								In	Out	
1204247-01DUP	L	202568		50	50	D				
1204255-01	TCLP	202569		5	50	S				

**ATTACHMENT 5**

**Semi-annual Site Inspection**  
**And Groundwater Sampling**  
**Former Jameco Facility, Wyandanch, NY**

Inspector 1: Matthew Wilson      Dates on Site: 9/21/11  
 Inspector 2: Mike Bradley      Start time: 1425      Finish time: 1930

Condition and inventory of laboratory provided coolers, containers, labels and COCs:

Complete & in Good Condition

**Groundwater Sampling**

Well #	GEC Inspector	Start Flow	Collect Sample	Sample Parameters	Comment / Observations
MW-2	MB	1559	<del>16:26</del> 16:26	Ni	
MW-3	MB	1522	<del>15:28</del> 15:55	Ni	well head repaired
MW-4	MB	1455	<del>14:50</del> 15:20	Ni	new well
MW-5R	MW	1453	1515	Ni	
MW-6R	-	-	-	-	NOT on SOW
MW-10	MB	1840	1855	Ni, Cu, Cr	
MW-12	MB	1735	1858	Ni, Cu, Cr	
MW-16	-	-	-	-	not on SOW
MW-17	-	-	-	-	not on SOW
MW-19	MW	-	-	-	Product in well - Do not Sample
MW-20	MW	1722	1745	SVOCs	Very slight Petroleum odor
MW-21	MW	1814	1841	SVOCs	" "
MW-23	MW	1623	1700	SVOCs	Slight Petroleum odor
MW-26R	MW	1538	1601	Ni, Cu, Cr	
GEC-5	-	-	-	-	not on SOW
MS/MSD	MW	1453	1515	Metals	Well # MW-5R
MS/MSD	MW	1722	1745	SVOCs	Well # MW-20

**Laboratory Shipment**

Pick-up:      Date: 9-22-11      Time: \_\_\_\_\_  
 Shipper:      Company \_\_\_\_\_      Date: \_\_\_\_\_      Time: \_\_\_\_\_  
 Laboratory:      EQS  
 Laboratory Contact      Stacy Mulady

**Site Inspection**

Each AOC to be inspected is briefly described below but GEC inspectors should refer to the Nelson & Pope survey plan of the Site for accurate AOC locations.

AOC-1, parking area east of loading dock

Date and time of inspection 16:00 9/21/11

Condition of surface integrity. Asphalt intact with no major loss of compactness. minor cracking in limited area.

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

AOCs-2&5, Plant interior enclosed by columns P6, L6K6, L2 and Q2

Date and time of inspection 9/21/11 19:05

Condition of surface integrity. Good, no evidence of disturbance

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

AOC-4, Area of plant including stockroom and outside lawn out to sidewalk.

Date and time of inspection 9/21/11 16:40

Condition of surface integrity. Good, slab-side intact & grass undisturbed outside

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

AOC-3, Square parcel extending south of south property line and enclosed by chainlink fence.

Date and time of inspection

9/21/12 16:05

Condition of surface integrity.

NO Change to Gravel cover of fence  
around perimeter (3 sizes along boundary) ok

Any observed apparent subsurface work in AOC?

NO

If yes, describe.

Any work proposed or anticipated by plant personnel?

NO

Describe

**Interviews:**

Briefly discuss with knowledgeable plant personnel (Len Zichlin (comptroler, Joe DeAngelis (plant manager) and/ or Jevan ). Describe below.

Subsurface construction or utility work:

None Planned

Exploration for or use of groundwater under property for process or potable purposes:

NO plans to do so.

Anticipated subsurface work within soil or groundwater beneath Site property:

NO work planned

Former Jameco Industries Site—Wyandanch, NY

September 21, 2011 Site Inspection Pictures



AOC—1: Former Seepage Lagoon Area. Looking west.



AOC—1: Detail of asphalt cracking in center of area.  
Looking west.



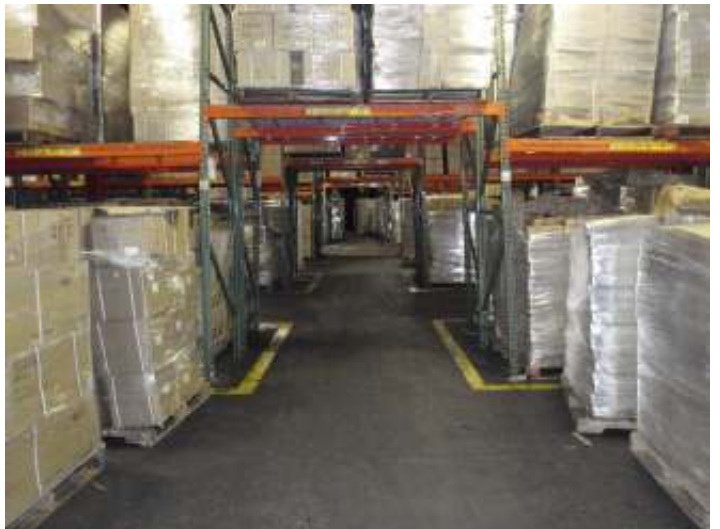
AOC—3: Former Leaching Pool Area. Looking south.



AOC—4: Cutting Oil Release Area. Looking east.



AOC—2/5: Former Degreasing/Metal Plating Area. Looking west.



AOC—4: Cutting Oil Release Area. Looking east.



**Semi-annual Site Inspection  
And Groundwater Sampling**

Former Jameco Facility, Wyandanch, NY

Inspector 1: Matt Wilson  
Inspector 2: Mike Bradley

Dates on Site: 4/2/12  
Start time: 1330 Finish time: 1845

Condition and inventory of laboratory provided coolers, containers, labels and COCs:  
Received in good condition & complete

**Groundwater Sampling**

Well #	GEC Inspector	Start Flow	Collect Sample	Sample Parameters	Comment / Observations
MW-2	MW	1536	1602	Ni	
MW-3	MW	1358	1430	Ni	
MW-4	MW	1446	1515	Ni	
MW-5R	MB	1400	1425	Ni	
MW-6R	-	-	-	-	NOT in SOW
MW-10	MW	1726	1753	Cr, Cu, Ni	Water milky grey
MW-12	MW	16:50	1724	Cr, Cu, Ni	
MW-16	-	-	-	-	NOT in SOW
MW-17	-	-	-	-	" "
MW-19	MB	-	-	-	Product in well - Do not sample
MW-20	MB	1645	1715	SVOCs	
MW-21	MB	1613	1635	SVOCs	Slight odor
MW-23	MB	1520	1555	SVOCs	
MW-26R	MB	1435	1500	Cr, Cu, Ni	
GEC-5	-	-	-	-	not in SOW
MS/MSD	MW	1358/1650	1430/1724	Metals	Well # MW-3 & MW-12
MS/MSD	MB	1520	1555	SVOCs	Well # MW-23

**Laboratory Shipment**

Pick-up: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Shipper: \_\_\_\_\_ Company: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Laboratory: EQS  
 Laboratory Contact: Jenny Mulrady

**Site Inspection**

Each AOC to be inspected is briefly described below but GEC inspectors should refer to the Nelson & Pope survey plan of the Site for accurate AOC locations.

**AOC-1**, parking area east of loading dock

Date and time of inspection 14:00 4/2/12

Condition of surface integrity. Good, NO change surface intact

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

**AOCs-2&5**, Plant interior enclosed by columns P6, L6K6, L2 and Q2

Date and time of inspection 17:30 4/2/12

Condition of surface integrity. Slab intact, NO change

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

**AOC-4**, Area of plant including stockroom and outside lawn out to sidewalk.

Date and time of inspection 18:00 4/2/12

Condition of surface integrity. Slab inside intact; grass outside good NO disturbances

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

**AOC-3**, Square parcel extending south of south property line and enclosed by chainlink fence.

Date and time of inspection 14:50 4/2/12  
Condition of surface integrity. NO change to gravel cover

Any observed apparent subsurface work in AOC? NO  
If yes, describe. \_\_\_\_\_

Any work proposed or anticipated by plant personnel? NO  
Describe \_\_\_\_\_

**Interviews:**

Briefly discuss with knowledgeable plant personnel (Len Zichlin (comptroler, Joe DeAngelis (plant manager) and/ or Jevan ). Describe below.

Subsurface construction or utility work: None planned

Exploration for or use of groundwater under property for process or potable purposes:  
No plans to use gw.

Anticipated subsurface work within soil or groundwater beneath Site property: \_\_\_\_\_  
NO work planned

Former Jameco Industries Site—Wyandanch, NY

April 2, 2012 Site Inspection Pictures



AOC—1: Former Seepage Lagoon Area. Looking north.



AOC—4: Cutting Oil Release Area. Both views looking east.

Former Jameco Industries Site—Wyandanch, NY

April 2, 2012 Site Inspection Pictures



AOC—3: Former Leaching Pool Area. Looking south.



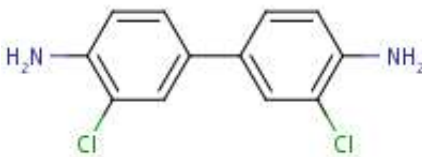
AOC—2/5: Former Degreasing/Metal Plating Area. Looking west.

**ATTACHMENT 6**



## 3,3'-DICHLOROBENZIDINE

CASRN: 91-94-1



*For other data, click on the Table of Contents*

### Major Uses:

Mfr azo dyes

[O'Neil, M.J. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. 13th Edition, Whitehouse Station, NJ: Merck and Co., Inc., 2001., p. 538] \*\*PEER REVIEWED\*\*

### CURING AGENT FOR ISOCYANATE-CONTAINING POLYMERS

[IARC. Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man. Geneva: World Health Organization, International Agency for Research on Cancer, 1972-PRESENT. (Multivolume work). Available at: <http://monographs.iarc.fr/index.php> p. V4 50 (1974)] \*\*PEER REVIEWED\*\*

### RUBBER & PLASTIC COMPOUNDING INGREDIENT

[Searle, C. E. (ed.). Chemical Carcinogens. ACS Monograph 173. Washington, DC: American Chemical Society, 1976., p. 392] \*\*PEER REVIEWED\*\*

### **3,3'-DICHLOROBENZIDINE** IS USED ALONE AND IN BLENDS WITH 4,4'-METHYLENEBIS(2-CHLOROANILINE) AS A CURING AGENT FOR LIQUID-CASTABLE POLYURETHANE ELASTOMERS; IN COLOR TEST FOR /DETECTION/ OF GOLD

[IARC. Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man. Geneva: World Health Organization, International Agency for Research on Cancer, 1972-PRESENT. (Multivolume work). Available at: <http://monographs.iarc.fr/index.php> p. V29 242 (1982)] \*\*PEER REVIEWED\*\*

**3,3'-Dichlorobenzidine** base and salts are used as chemical intermediates to produce pigments that are produced commercially in the USA (Pigment Yellows 12, 13, 14, 17, 34, & 55).

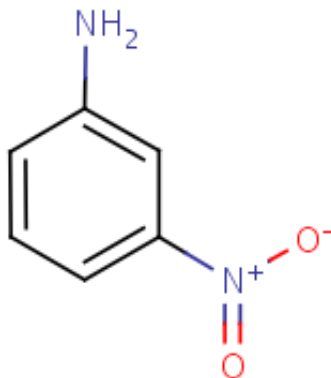
[USEPA/OTS; A Study of Industrial Data on Candidate Chemicals for Testing, EPA-560/5-77-006 p.4-205 (1977)] \*\*PEER REVIEWED\*\*

The yellow pigments derived from **3,3'-dichlorobenzidine** and salts can be used as substitutes for the lead chromate pigments.

[USEPA/OTS; A Study of Industrial Data on Candidate Chemicals for Testing, EPA-560/5-77-006 p.4-205 (1977)] \*\*PEER REVIEWED\*\*

**3-NITROANILINE**

CASRN: 99-09-2



*For other data, click on the Table of Contents*

**Major Uses:****COLOR TEST FOR PINE WOOD.**

[Sax, N.I. and R.J. Lewis, Sr. (eds.). Hawley's Condensed Chemical Dictionary. 11th ed. New York: Van Nostrand Reinhold Co., 1987., p. 825] \*\*PEER REVIEWED\*\*

**3-Nitroaniline** is used as a diazo component (Fast Orange R Base) in azo dyes (e.g., C.I. Disperse Yellow 5 and C.I. Acid Orange 18).

[Ullmann's Encyclopedia of Industrial Chemistry. 6th ed. Vol 1: Federal Republic of Germany: Wiley-VCH Verlag GmbH & Co. 2003 to Present, p. V23 152 (2003)] \*\*PEER REVIEWED\*\*

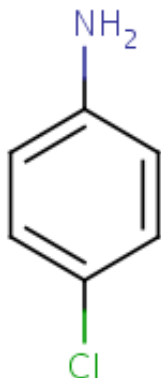
**Used as dye intermediate**

[Zenz, C., O.B. Dickerson, E.P. Horvath. Occupational Medicine. 3rd ed. St. Louis, MO., 1994, p. 708] \*\*PEER REVIEWED\*\*



**4-CHLOROANILINE**

CASRN: 106-47-8



*For other data, click on the Table of Contents*

**Major Uses:**

For **4-chloroaniline** (USEPA/OPP Pesticide Code: 017203) there are 0 labels match. /SRP: Not registered for current use in the U.S., but approved pesticide uses may change periodically and so federal, state and local authorities must be consulted for currently approved uses./

[U.S. Environmental Protection Agency/Office of Pesticide Program's Chemical Ingredients Database on 4-Chloroaniline (106-47-8). Available from, as of February 1, 2005: <http://ppis.ceris.purdue.edu/htbin/epachem.com> \*\*PEER REVIEWED\*\*

Dye intermediate, pharmaceuticals, agricultural chemicals.

[Lewis, R.J. Sr.; Hawley's Condensed Chemical Dictionary 14th Edition. John Wiley & Sons, Inc. New York, NY 2001., p. 249] \*\*PEER REVIEWED\*\*

Chemical intermediate for dyes, eg, Vat Red 32

[SRI] \*\*PEER REVIEWED\*\*

Chemical intermediate for azoic coupling agents 5 & 10

[SRI] \*\*PEER REVIEWED\*\*

Chemical intermediate for pigments, eg, pigment Green 10

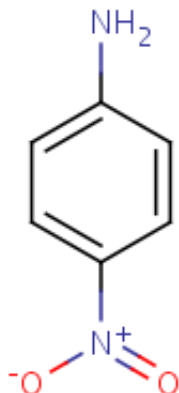
[SRI] \*\*PEER REVIEWED\*\*

Reacts with anhydrous hydrogen chloride and phosgene at 70-75 deg C in dioxane to produce p-chlorophenyl isocyanate, an intermediate used for the production of urea herbicides.

[Kirk-Othmer Encyclopedia of Chemical Technology. 3rd ed., Volumes 1-26. New York, NY: John Wiley and Sons, 1978-1984., p. V12 319] \*\*PEER REVIEWED\*\*

## 4-NITROANILINE

CASRN: 100-01-6



*For other data, click on the Table of Contents*

### Major Uses:

p-Nitroaniline is used as an intermediate in the manufacture of dyes, antioxidants, pharmaceuticals, and pesticides.

[Sittig, M. Handbook of Toxic and Hazardous Chemicals and Carcinogens, 2002. 4th ed. Vol 1 A-H Norwich, NY: Noyes Publications, 2002., p. 1697] \*\*PEER REVIEWED\*\*

MEDICATION (VET) (See also: [Therapeutic Uses](#))

\*\*PEER REVIEWED\*\*

CHEM INT FOR ANTIOXIDANTS, DYES, PIGMENTS, GASOLINE GUM INHIBITORS

[SRI] \*\*PEER REVIEWED\*\*

Dye intermediate, especially for p-nitraniline red ...

[Lewis, R.J. Sr.; Hawley's Condensed Chemical Dictionary 14th Edition. John Wiley & Sons, Inc. New York, NY 2001., p. 789] \*\*PEER REVIEWED\*\*

USED AS AN INTERMEDIATE FOR PRODUCING P-PHENYLENEDIAMINE.

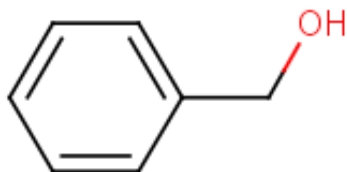
[Kirk-Othmer Encyclopedia of Chemical Technology. 4th ed. Volumes 1: New York, NY. John Wiley and Sons, 1991-Present., p. V2 439] \*\*PEER REVIEWED\*\*

The volume outlet for **4-nitroaniline** is in iron reduction or catalytic hydrogenation to produce p-phenylenediamine.

[Ullmann's Encyclopedia of Industrial Chemistry. 6th ed. Vol 1: Federal Republic of Germany: Wiley-VCH Verlag GmbH & Co. 2003 to Present, p. V23 152 (2003)] \*\*PEER REVIEWED\*\*

**BENZYL ALCOHOL**

CASRN: 100-51-6



*For other data, click on the Table of Contents*

**Major Uses:**

Perfumes and flavors; photographic developer for color movie films; dyeing nylon filament, textiles, and sheet plastics; solvent for dyestuffs, cellulose esters, casein, waxes, etc.; heat-sealing polyethylene films; intermediate for benzyl esters and ethers; bacteriostat; cosmetics, ointments, emulsions; ball point pen inks; stencil inks.

[Lewis, R.J. Sr.; Hawley's Condensed Chemical Dictionary 15th Edition. John Wiley & Sons, Inc. New York, NY 2007., p. 140] \*\*PEER REVIEWED\*\*

**Benzyl alcohol** is used in cosmetics as a fragrance component, preservative, solvent, and viscosity-decreasing agent. In January 1998, **benzyl alcohol** was reported to be used in 322 cosmetic formulations

[Benzyl Alcohol. Cosmetic Ingredient Review; International Journal of Toxicology; 20(suppl 3):23-50 (2001)] \*\*PEER REVIEWED\*\* [PubMed Abstract](#)

The active ingredient is no longer contained in any registered products ... "cancelled."


[United States Environmental Protection Agency/ Prevention, Pesticides and Toxic Substances; Status of Pesticides in Registration, Reregistration, and Special Review. (1998) EPA 738-R-98-002, p. 297] \*\*PEER REVIEWED\*\*

For **benzyl alcohol** (USEPA/OPP Pesticide Code: 009502) there are 0 labels match. /SRP: Not registered for current use in the U.S., but approved pesticide uses may change periodically and so federal, state and local authorities must be consulted for currently approved uses./

[National Pesticide Information Retrieval System's USEPA/OPP Chemical Ingredients Database on Benzyl Alcohol (100-51-6). Available from, as of July 1, 2008: <http://ppis.ceris.purdue.edu/htbin/epachem.com> \*\*PEER REVIEWED\*\*

... approved as an anesthetic ingredient in over-the-counter anorectal, oral healthcare and topical analgesic drug products

[Personal Care Products Council; Cosmeticsinfo.org. Benzyl Alcohol. Available from, as of July 11, 2008: [http://www.cosmeticsinfo.org/ingredient\\_details.php?ingredient\\_id=756](http://www.cosmeticsinfo.org/ingredient_details.php?ingredient_id=756) \*\*PEER REVIEWED\*\*

Solvent for surface-coating materials and resins. It dissolves cellulose esters and ethers, alkyd resins, acrylic resins, and fats; it is also used as an ingredient in the inks for ball-point pens. It is added in small amounts to surface-coating materials to improve their flow and gloss. In the textile industry, it is used as an auxiliary in the dyeing of wool, polyamides, and polyesters.  It is used as a solvent and diluting agent in the manufacture of perfumes and flavors. In color photography it is increasingly important as a development accelerator. In pharmacy it is used as a local anesthetic and, because of its microbicidal effect, as an ingredient of ointments and other preparations.

[Lunn, G., E.B. Sansone. Destruction of Hazardous Chemicals in the Laboratory. New York, NY: John Wiley & Sons, Inc. 1994., p. V5 88 (2003)] \*\*PEER REVIEWED\*\*

**Benzyl alcohol** is a starting material for the preparation of numerous benzyl esters that are used as odorants, flavors, stabilizers for volatile perfumes, and plasticizers. **Benzyl alcohol** is also used in the extractive distillation of m- and p-xylenes and m- and p-cresols.

[Ullmann's Encyclopedia of Industrial Chemistry. 6th ed. Vol 1: Federal Republic of Germany: Wiley-VCH Verlag GmbH & Co. 2003 to Present, p. V5 88 (2003)] \*\*PEER REVIEWED\*\*

Manufacture of other benzyl compounds; pharmaceutical aid (antimicrobial); solvent for cellulose acetate; in perfumery and in flavoring (mostly in form of its aliphatic esters); solvent for gelatin, casein (when hot), and shellac; in microscopy as embedding material

[O'Neil, M.J. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. Whitehouse Station, NJ: Merck and Co., Inc., 2006., p. 186] \*\*PEER REVIEWED\*\*

MEDICATION (VET) (See also: [Therapeutic Uses](#))

\*\*PEER REVIEWED\*\*

AS A LACQUER SOLVENT & PLASTICIZER

[Browning, E. Toxicity and Metabolism of Industrial Solvents. New York: American Elsevier, 1965., p. 393] \*\*PEER REVIEWED\*\*

Photographic developer for color movie films; dyeing nylon filament, textiles and sheet plastics; heat-sealing polyethylene films; intermediate for benzyl esters and ethers; ball point pen inks; stencil inks; cosmetics, ointments

[Lewis, R.J., Sr (Ed.). Hawley's Condensed Chemical Dictionary. 13th ed. New York, NY: John Wiley & Sons, Inc. 1997., p. 129] \*\*PEER REVIEWED\*\*

PRESERVATIVE IN OPHTHALMIC PREPN

[CLAUSEN OG ET AL; PHARM IND 39 (7): 726 (1977)] \*\*PEER REVIEWED\*\*

MEDICATION (See also: [Therapeutic Uses](#))

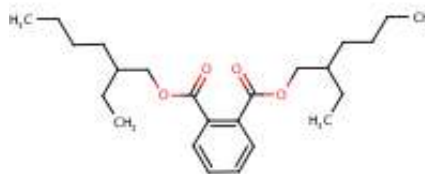
\*\*PEER REVIEWED\*\*

Degreasing agent in rug cleaners. It is used as a solvent for dyestuffs. **Benzyl alcohol** is used frequently employed in bar soap fragrances.

[Kirk-Othmer Encyclopedia of Chemical Technology. 4th ed. Volumes 1: New York, NY. John Wiley and Sons, 1991-Present., p. V4: 118] \*\*PEER REVIEWED\*\*

## BIS(2-ETHYLHEXYL) PHTHALATE

CASRN: 117-81-7



There may be some ambiguity in the literature and in common usage for the nomenclature of the isomers **bis(2-ethylhexyl) phthalate (DEHP)**, **bis(6-methylheptyl) phthalate** (also known as diisooctyl phthalate or DIOP), di-n-octyl phthalate (DnOP), and the non-isomer-specific term "dioctylphthalate (DOP)". This record is for the branched-chain **bis(2-ethylhexyl) phthalate**. For **bis(6-methylheptyl) phthalate**, HSDB Record 588. For di-n-octyl phthalate, HSDB Record 1345.

*For other data, click on the Table of Contents*

### Major Uses:

For **Bis(2-ethylhexyl)phthalate** (USEPA/OPP Pesticide Code: 295200) there are 0 labels match. /SRP: Not registered for current use in the U.S., but approved pesticide uses may change periodically and so federal, state and local authorities must be consulted for currently approved uses./

[U.S. Environmental Protection Agency/Office of Pesticide Program's Chemical Ingredients Database on Bis(2-ethylhexylphthalate) (117-81-7). Available from, as of October 24, 2002: <http://ppis.ceris.purdue.edu/htbin/epachem.com> \*\*PEER REVIEWED\*\*

The active ingredient is no longer contained in any registered pesticide products ... "cancelled."

[USEPA/OPP; Status of Pesticides in Registration, Reregistration and Special Review p.270 (Spring, 1998) EPA 738-R-98-002] \*\*PEER REVIEWED\*\*

Plastics may contain from 1 to 40% di(**2-ethylhexyl) phthalate** by weight and are used in consumer products such as imitation leather, rainwear, footwear, upholstery, flooring, wire and cable, tablecloths, shower curtains, food packaging materials and children's toys. ... Di(**2-ethylhexyl) phthalate** is also used as a hydraulic fluid and as a dielectric fluid (a non-conductor of electric current) in electrical capacitors ... a detector for leaks in respirators ...

[IARC. Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man. Geneva: World Health Organization, International Agency for Research on Cancer, 1972-PRESENT. (Multivolume work). Available at: <http://monographs.iarc.fr/index.php> p. V77 P43 (2000)] \*\*PEER REVIEWED\*\*

Plasticizer manufacture; plastics manufacture & recycling, processing; organic pump fluid

[Verschueren, K. Handbook of Environmental Data on Organic Chemicals. 3rd ed. New York, NY: Van Nostrand Reinhold Co., 1996., p. 867] \*\*PEER REVIEWED\*\*

### PLASTICIZER FOR POLYVINYL CHLORIDE RESINS

[SRI] \*\*PEER REVIEWED\*\*

**PLASTICIZER FOR VINYL CHLORIDE COPOLYMER RESINS**

[SRI] \*\*PEER REVIEWED\*\*

**PLASTICIZER FOR OTHER RESINS & SYNTHETIC RUBBERS**

[SRI] \*\*PEER REVIEWED\*\*

**SOLVENT-EG, FOR ERASABLE INK**

[SRI] \*\*PEER REVIEWED\*\*

**ACARICIDE FOR USE IN ORCHARDS /FORMER/**

[SRI] \*\*PEER REVIEWED\*\*

**INERT INGREDIENT IN PESTICIDE FORMULATIONS /FORMER/**

[SRI] \*\*PEER REVIEWED\*\*

**VACUUM PUMP OIL**

[SRI] \*\*PEER REVIEWED\*\*

**TESTING AGENT FOR AIR FILTRATION SYSTEMS**

[SRI] \*\*PEER REVIEWED\*\*

**Plasticizer for ... chlorinated rubber**

[CHEMICAL PRODUCTS SYNOPSIS: Dioctylphthalate, 1987] \*\*PEER REVIEWED\*\*

Used widely in insect repellent formulations, cosmetics, rubbing alcohol, liquid soap, detergents, decorative inks, lacquers, munitions, industrial and lubricating oils, defoaming agents during paper and paperboard manufactures, and as pesticide carriers. /Phthalic Esters/

[Nat'l Research Council Canada; Phthalate Esters in the Aquatic Environment p.27 (1980) NRCC No 17583] \*\*PEER REVIEWED\*\*

**Photographic film, wire and cable, adhesives**

[Nat'l Research Council Canada; Phthalate Esters in the Aquatic Environment p.49 (1980) NRCC No 17583] \*\*PEER REVIEWED\*\*

As plasticizer in flexible vinyl products. As a replacement for PCBs in dielectric fluids for electric capacitors.

[Budavari, S. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. Whitehouse Station, NJ: Merck and Co., Inc., 1996., p. 210] \*\*PEER REVIEWED\*\*

Plasticizer (polyvinyl chloride, rubber, adhesives, PVA emulsion paints, lacquers); non-reactive epoxy resin diluent.

[Ashford, R.D. Ashford's Dictionary of Industrial Chemicals. London, England: Wavelength Publications Ltd., 1994., p. 304] \*\*PEER REVIEWED\*\*

Plasticizer; also used as an insulating fluid in electrical transformers and pressure-sensitive printing.

[U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health. NIOSH Manual of Analytical Methods. 4th ed. Methods A-Z & Supplements. Washington, DC: U.S. Government Printing Office, Aug 1994., p. V9 803] \*\*PEER REVIEWED\*\*

... **DEHP** is used as a plasticizer in medical devices such as storage containers, bags, and tubing ...

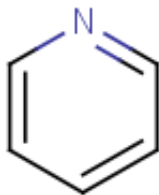
[NTP/CERHR; Monograph on the Potential Human Reproductive and Developmental Effects of Di(2-ethylhexyl) phthalate (DEHP) p. II-1 (2006) NIH Publication No. 06-4476.

Available from, as of May 2, 2008: <http://cerhr.niehs.nih.gov/evals/index.html>

\*\*PEER REVIEWED\*\*

**PYRIDINE**

CASRN: 110-86-1



*For other data, click on the Table of Contents*

**Major Uses:**

For **Pyridine** (USEPA/OPP Pesticide Code: 069202) there are 0 labels match. /SRP: Not registered for current use in the U.S., but approved pesticide uses may change periodically and so federal, state and local authorities must be consulted for currently approved uses./

[U.S. Environmental Protection Agency/Office of Pesticide Program's Chemical Ingredients Database on Pyridine (110-86-1). Available from, as of September 26, 2001: <http://ppis.ceris.purdue.edu/htbin/epachem.com> \*\*PEER REVIEWED\*\*

**Solvent for anhydrous mineral salts; in org synthesis and anal chem**

[Budavari, S. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. Whitehouse Station, NJ: Merck and Co., Inc., 1996., p. 1370] \*\*PEER REVIEWED\*\*

**MFR OF VITAMINS (ESP NICOTINIC ACID), SULFA DRUGS, DISINFECTANTS, DYESTUFF, EXPLOSIVES; USED IN RUBBER INDUST**

[Browning, E. Toxicity and Metabolism of Industrial Solvents. New York: American Elsevier, 1965., p. 304] \*\*PEER REVIEWED\*\*

**CHEM INT FOR DIQUAT & PARAQUAT, PIPERIDINE, WATER PROOFING AGENTS USED IN TEXTILES; SOLVENT IN DRUG MFR; CHEM INT FOR ANTIHISTAMINES (INCL CHLOROPHENIRAMINE MALEATE); REAGENT (INCL AS SCAVENGER FOR ACIDS); INT FOR ANTI-INFECTIVES (INCL CETYLPYRIDINIUM CHLORIDE)**

[SRI] \*\*PEER REVIEWED\*\*

Used in the manufacture of pharmaceuticals such as CNS stimulants, and local anesthetics. Used as a solvent in manufacture of polycarbonate resins used in hand tools, small appliances, camera parts, safety helmets, and electrical connectors. Used as a solvent reaction medium or catalyst in paint manufacture, carbohydrate treatment, ... used as a coupling/reagent/ in azo dye manufacture; used in purification of mercury fulminate in explosives manufacture, during thermal decomposition of flexible polyurethane foams; used as an inhibitor and for preparation of inhibitors; used in oil and gas well drilling.

[Mackison, F. W., R. S. Stricoff, and L. J. Partridge, Jr. (eds.). NIOSH/OSHA - Occupational Health Guidelines for Chemical Hazards. DHHS(NIOSH) Publication No. 81-123 (3 VOLS). Washington, DC: U.S. Government Printing Office, Jan. 1981., p. 3] \*\*PEER REVIEWED\*\*

**IN SEAFOOD FLAVORS, SMOKE FLAVORS, CHOCOLATE.**

[Furia, T.E. (ed.). CRC Handbook of Food Additives. 2nd ed. Volume 2. Boca Raton, Florida: CRC Press, Inc., 1980., p. 301] \*\*PEER REVIEWED\*\*



Synthesis of vitamins and drugs, solvent water proofing, rubber chemicals, denaturant for alcohol and antifreeze mixtures, dyeing assistant in textiles, fungicides

[Lewis, R.J., Sr (Ed.). Hawley's Condensed Chemical Dictionary. 13th ed. New York, NY: John Wiley & Sons, Inc. 1997., p. 942] \*\*PEER REVIEWED\*\*

REPORTED USES: NON-ALCOHOLIC BEVERAGES 1.0 PPM; ICE CREAM, ICES, ETC 0.02-0.12 PPM; CANDY 0.40 PPM; BAKED GOODS 0.40 PPM.

[Fenaroli's Handbook of Flavor Ingredients. Volume 2. Edited, translated, and revised by T.E. Furia and N. Bellanca. 2nd ed. Cleveland: The Chemical Rubber Co., 1975., p. 504] \*\*PEER REVIEWED\*\*