FINAL

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT EMERGENCY RESPONSE REPORT CIRCLE ENVIRONMENTAL SITES 1 AND 2 DAWSON, TERRELL COUNTY, GEORGIA

EPA CONTRACT No. EP-W-05-054
TDD Nos. TTEMI-05-001-0047 and TTEMI-05-001-0048

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4 Emergency Response and Removal Branch
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Prepared by

Tetra Tech
EPA Region 4
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TETRA TECH

May 15, 2008

Mr. James Webster
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Subject: **Final Comprehensive Environmental Response, Compensation, and Liability Act Emergency Response Report**
Circle Environmental Sites 1 and 2
Dawson, Terrell County, Georgia
EPA Contract No. EP-W-05-054
TDD Nos. TTEMI-05-001-0047 and TTEMI-05-001-0048

Dear Mr. Webster:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the final emergency response report for the Circle Environmental sites 1 and 2 in Dawson, Terrell County, Georgia. This report summarizes field activities conducted at each site from September 11 through December 19, 2007.

If you have any questions about the enclosed report, please call me at (206) 300-0301 or Charles Berry at (678) 775-3098.

Sincerely,

Brian Croft
START III Task Order Manager

Andrew F. Johnson
START III Program Manager

Enclosure

cc: Katrina Jones, EPA Project Officer
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Angel Reed, Tetra Tech START III TDD Coordinator

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CERCLA EMERGENCY RESPONSE REPORT
CIRCLE ENVIRONMENTAL SITES 1 AND 2
DAWSON, TERRELL COUNTY, GEORGIA
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Revision 0

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TDD Nos.	:	TTEMI-05-001-0047
	:	TTEMI-05-001-0048
Date Prepared	:	May 15, 2008
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CONTENTS

Section		Page
1.0	INTRODUCTION	1
2.0	BACKGROUND	2
3.0	EMERGENCY RESPONSE ACTION ACTIVITIES	2
4.0	WASTE DISPOSAL ACTIVITIES	9
7.0	POST-RESPONSE SAMPLING ACTIVITIES	10
6.0	SUMMARY AND CONCLUSIONS	14

Appendix

A	LOGBOOK NOTES
B	PHOTOGRAPHIC LOG
C	DRUM INVENTORY
D	TABLE OF WITNESSES

Attachment

1	WASTE MANIFESTS
2	RAPID ASSESSMENT TOOL AIR MONITORING DATA (SCRIBE DATABASE)
3	AIR TOXICS, LTD ANALYTICAL DATA PACKAGE AND DATA VALIDATION REPORT
4	SHEALY ENVIRONMENTAL SERVICES, INC. ANALYTICAL DATA PACKAGE AND DATA VALIDATION REPORT

FIGURES

Figure		Page
1	SITE LOCATION	3
2	AIR SAMPLING LOCATIONS – CIRCLE ENVIRONMENTAL #1	11
3	SOIL SAMPLING LOCATIONS – CIRCLE ENVIRONMENTAL #2	13

TABLES

Table		Page
1	SUMMARY OF TRANSPORTATION AND DISPOSAL ACTIVITIES	9
2	SUMMARY OF ANALYTICAL RESULTS FOR AIR SAMPLES	12
3	SUMMARY OF WASTE DISPOSAL ACTIVITIES	15

1.0 INTRODUCTION

This emergency response report has been prepared under the provisions of Technical Direction Document (TDD) Numbers (Nos.) TTEMI-05-001-0047 and TTEMI-05-001-0048, which the U.S. Environmental Protection Agency Region 4 (EPA) assigned to the Tetra Tech EM Inc. (Tetra Tech) Region 4 Superfund Technical Assessment and Response Team (START) under Contract No. EP-W-05-054. The overall scope of these TDDs, monitored by EPA On-Scene Coordinator (OSC) Mr. James Webster, was to respond to the Circle Environmental, Inc. sites 1 and 2. Although these projects were issued under separate TDDs, this report addresses activities conducted at both sites because of the similar background associated with each. Specific elements of these TDDs included providing responders and the necessary equipment to respond to an emergency release involving unknown drums; air monitoring; level B entries involving air monitoring and hazardous materials assessment as needed; air monitoring support using the Rapid Assessment Tool (RAT) system; overseeing and documenting emergency responder and contractor activities with logbook notes and photographs; and preparing a health and safety plan and a draft/final report upon completion of response activities.

This Comprehensive Environmental Response, Compensation, and Liability Act emergency response report discusses the site background (see Section 2.0), emergency response activities (see Section 3.0), waste disposal activities (see Section 4.0), and post-response sampling activities (see Section 5.0). A summary of activities conducted at each site is presented in Section 6.0. Appendix A provides a copy of the logbook notes used to document response activities. Appendix B provides a photographic log used to document response activities. Appendix C provides a drum inventory summarizing the containers discovered at each site as well as available label information and markings, hazard categorization test results, wastestream group determinations, and ultimate disposition. Appendix D provides a table of witnesses associated with this response. Attachment 1 provides copies of the waste manifests generated for waste disposal activities. Attachment 2 provides an electronic copy of the RAT air monitoring data obtained during response activities at Circle Environmental site 1. Attachment 3 provides an electronic copy of the analytical data package from Air Toxics, Ltd. and the data validation report for air samples collected from Circle Environmental site 1. Attachment 4 provides an electronic copy of the analytical data package from Shealy Environmental Services, Inc. and the data validation report for soil samples collected from Circle Environmental site 2.

2.0 BACKGROUND

According to information from their website (http://www.circle.net), Circle Environmental is involved in recycling oil-contaminated absorbent materials, including booms, pads, socks, and shop towels. Circle Environmental reportedly has 12 facilities throughout the country, primarily located in the southeast, including South Carolina, Kentucky, and Georgia.

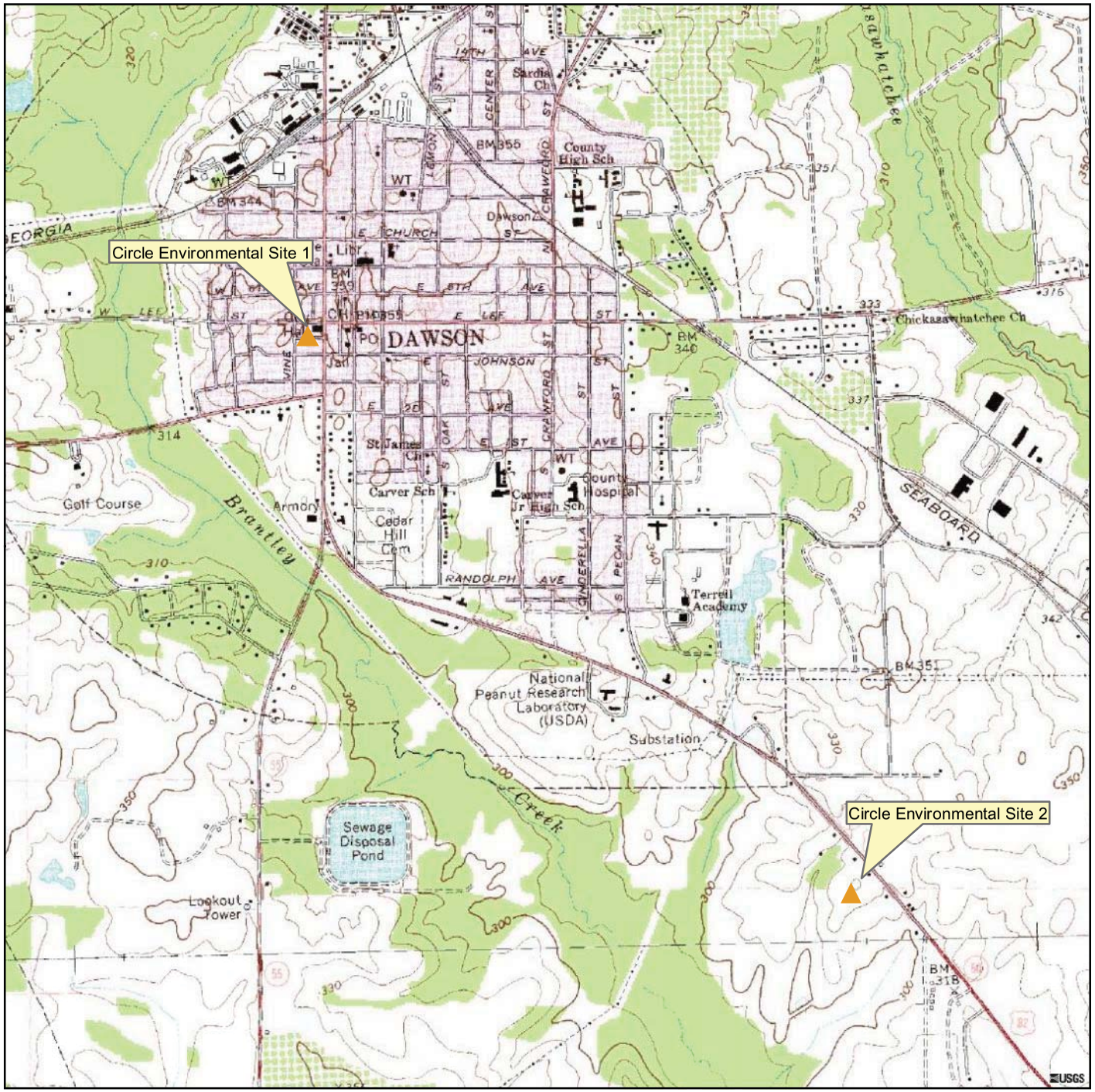
In early September 2007, EPA received notification from officials with the City of Dawson, Georgia regarding abandoned drums and hazardous waste located at two locations in Dawson, Terrell County, Georgia; the drums were reportedly associated with Circle Environmental. Following their initial inspection on September 10, 2007, EPA notified Tetra Tech START of the situation and requested three responders to mobilize to the sites on September 11, 2007.

Circle Environmental site 1 is located at 170 5th Avenue SW in Dawson, Terrell County, Georgia (see Figure 1). The approximate geographic coordinates of the site are 31.77318 degrees north latitude and 84.4466 degrees west longitude. The site is located in a residential / commercial area within the city limits of Dawson at the intersection of 5th Avenue SW and Main Street (Route 520). Circle Environmental occupied the southwest corner of a brick building at this location. Other occupants of the block include a tattoo parlor and an automobile repair shop.

Circle Environmental site 2 is located at 2222 Albany Highway in Dawson, Terrell County, Georgia (see Figure 1). The approximate geographic coordinates of the site are 31.75199 degrees north latitude and 84.42380 degrees west longitude. The site consists of an open and grassy area in the front portion of a property owned and operated by Harris Wrecker Service, and is bordered to the west and north by the Harris Wrecker Service facility, to the east by Albany Highway (Route 520), and to the south by a mixture of wooded and open land.

3.0 EMERGENCY RESPONSE ACTIVITIES

On September 11, 2007, Tetra Tech START members Chuck Berry, Brian Croft, and Chris Jones mobilized to Dawson, Georgia to meet with OSC James Webster and representatives of WRS, Inc., the Emergency and Rapid Response Services (ERRS) contractor. According to information obtained by EPA, the two sites were formerly used by Circle Environmental for the recycling of contaminated rags and absorbent materials. The following paragraphs provide a summary of response activities conducted at each site.



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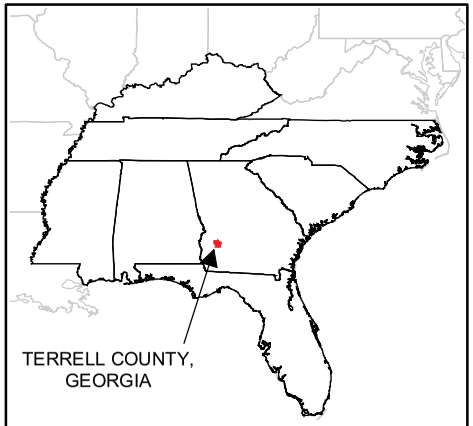
MAP SOURCE:
USGS, DAWSON, GA
TOPOGRAPHIC QUADRANGLE, 1983



United States Environmental Protection Agency

CIRCLE ENVIRONMENTAL SITES 1 AND 2
DAWSON,
TERRELL COUNTY,
GEORGIA
TDD Nos.TTEMI-05-001-0047 and
TTEMI-05-001-0048

FIGURE 1
SITE LOCATION

TETRA TECH

2007-11-14 C:\GIS_Workspace\TTEMI-103\D2428901_Beasley_Allen\Figures\GIS\MXDs\Site Location\MUSCLE SHOALS-AL MERCURY SITE LOC MAP 01-02-08 TTEMI-GA courtney.roden

Circle Environmental Site 1

On September 11, 2007, EPA, ERRS, and Tetra Tech START conducted an inspection of the building at Circle Environmental site 1 located at 170 5th Avenue SW, which included air monitoring using a flame ionization detector (FID) and photoionization detector (PID). Upon entry into the building, hundreds of drums were observed, some of which were stacked on pallets two and four levels high. Numerous drums were labeled as containing hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA); specifically, RCRA listed wastes with codes of F002 (spent halogenated solvents – tetrachloroethylene [also known as perchloroethylene]) as well as F003 and F005 (spent non-halogenated solvents – solvent/paint soaked rags) were observed. In addition, numerous drums were labeled as containing flammable materials. Air monitoring results during the initial inspection indicated maximum readings in the breathing zone of 6.8 parts per million (ppm) on the FID and 10.3 ppm on the PID. Several drums with lids missing were observed to contain paint- and solvent-soaked rags; FID readings up to 390 ppm were documented immediately above some of these rags.

On September 12 and 13, 2007, ERRS personnel initiated cleanup activities by stacking empty drums on their sides along the interior north wall of the building, clearing empty pallets from the building, and sweeping the floor to remove dust and other debris in preparation for drum staging activities. Empty pallets were removed from the site and hauled away by a local recycler. As ERRS personnel staged the drums in temporary rows to facilitate access for future sampling activities, Tetra Tech START inventoried and photographed each drum to document the drum condition and obtain available label information. Data obtained from these activities were entered into the drum inventory (Appendix C) maintained by Tetra Tech START. An extendable boom forklift was used by ERRS personnel to move the pallets of drums stacked four levels high from the western portion of the building.

From September 14 through 26, 2007, Tetra Tech START and ERRS personnel conducted drum assessment, sampling, and staging activities. Prior to the start of these activities, EPA, ERRS, and Tetra Tech START identified five preliminary wastestream groups that were expected to represent the majority of drums present at the site. The preliminary wastestream groups were determined based on information gathered through EPA's discussions with the former operator regarding previous operations conducted at the facility, information obtained during the drum inventory, and waste disposal profiling requirements. The five preliminary wastestream groups initially identified are listed below along with the methods used to make the determination for each drum.

- Perchlorethylene – Hazard categorization tests were conducted to determine if the drum contents were a "sinker" by using a disposable pipette to drop a small amount of the material into a jar containing water; if the material or some portion thereof sank to the bottom, it was categorized as perchloroethylene based on the high density associated with chlorinated compounds. Drums in this category were marked with orange spray paint.
- Petroleum Liquids – Hazard categorization tests were conducted to determine if the drum contents were a "floater" by using a disposable pipette to drop a small amount of the material into a jar containing water; if the material floated on the surface, it was categorized as petroleum liquid. Drums in this category were marked with blue spray paint.
- Pads and Boom – Based on visual observation, a determination was made to place drum contents in this category that included oily pads and absorbent booms. Drums in this category were marked with green spray paint.
- Absorbents – Based on visual observation, a determination was made to place drum contents in this category that included cat litter type materials. Drums in this category were marked with yellow spray paint.
- Rags – Based on visual observation, a determination was made to place drum contents in this category that included paint- and solvent- soaked rags. Drums in this category were marked with red spray paint.

During drum assessment and sampling activities, the RAT system was used with the Draeger MultiRAE to monitor the air for volatile organic compounds (VOC), carbon monoxide, oxygen, and the lower explosive limit at the entrance to and throughout the interior of the building. Monitoring data generated using the RAT system are provided in Attachment 2. High concentrations of carbon monoxide were periodically detected inside the building during assessment and sampling activities due to exhaust from the gasoline-powered extendable forklift used to move pallets. In these instances, personal protective equipment inside the building was upgraded to level B as a precautionary measure, and ERRS coordinated with their equipment vendor to eventually exchange the gasoline-powered forklift for one powered by propane. In addition, erratic readings for oxygen were obtained during transportation and disposal activities, and were attributed to a bad oxygen sensor. Oxygen readings returned to normal once a new sensor was received and installed.

Drum assessment and sampling activities involved the following general procedures.

- Opening each drum using level B personal protective equipment and inspecting the contents.

- Categorizing each drum into one of the preliminary wastestream groups discussed above, if appropriate.
- Collecting representative composite samples from each of the preliminary wastestream groups.
- Collecting grab samples from individual drums whose contents could not be categorized into one of the five preliminary wastestream groups initially identified because of varying chemical characteristics; further hazard categorization tests were conducted on these samples to determine wastestream groups for these drums.

During response activities, 536 drums were inventoried at the Circle Environmental site 1, including 98 empty drums. Following completion of assessment activities, ERRS and START personnel continued to prepare for future transportation and disposal operations by conducting further hazard categorization tests on the individual grab samples collected from the drums whose contents could not be categorized into one of the five preliminary wastestream groups initially identified; overpacking drums that were deemed unsuitable for transportation based on U.S. Department of Transportation regulations; and verifying information contained in the drum inventory and clarifying any discrepancies.

Composite samples were collected from each of the five wastestream groups and shipped by the ERRS contractor for waste disposal profile analyses at a fixed laboratory. As such, the drums were restaged according to the preliminary wastestream groups to facilitate the collection of composite samples as well as future transportation and disposal activities. The rags wastestream group was divided into the following subgroups.

- Rags indicating involvement by only the Circle Environmental facility located in Dawson, Georgia (127 drums).
- Rags indicating involvement by the Circle Environmental facility located in Dawson, Georgia as well as the Circle Environmental facility located in Russellville, Kentucky (11 drums).
- Rags indicating involvement by the Circle Environmental facility located in Dawson, Georgia as well as the Circle Environmental facilities located in Russellville, Kentucky and Columbia, South Carolina (1 drum).
- Rags indicating involvement by the Circle Environmental facility located in Dawson, Georgia as well as the Venture Industries facility in Hopkinsville, Kentucky (8 drums).

On September 26, 2007, all personnel demobilized from the site pending finalization of transportation and disposal arrangements. Arrangements were made by EPA with the Dawson Police (Department of Public Safety) to provide security for the site during the demobilization period.

Upon receipt of the analytical data, the wastestream groups were finalized as listed below.

1. Perchloroethylene (high concentration) – 69 drums were included in this wastestream group.
2. Perchloroethylene (low concentration) – 26 drums were included in this wastestream group, which was previously identified as petroleum liquids, but determined to also contain lower concentrations of perchloroethylene based on laboratory analyses.
3. Pads and boom – 165 drums were included in this wastestream group.
4. Absorbents – 15 drums were included in this wastestream group.
5. Rags – 147 drums were included in this wastestream group.
6. Flammable Liquids –2 drums were included in this wastestream group.
7. Grease – 2 drums were included in this wastestream group.
8. Heat Exchanger Oil – 1 drum was included in this wastestream group.
9. Paint – 4 drums were included in this wastestream group.
10. Trash – 5 drums were included in this wastestream group.
11. Water – 2 drums were included in this wastestream group.

Circle Environmental Site 2

On September 11, 2007, Tetra Tech START met with OSC James Webster and ERRS personnel at the Circle Environmental site 2 located at 2222 Albany Highway in Dawson, Terrell County, Georgia. Upon arrival hundreds of drums and three roll-off containers were observed scattered on an open and grassy area approximately 50 yards west of Albany Highway (Route 520). The drums and roll-off containers were present on property owned by the Harris Wrecker Service.

Tetra Tech START conducted a walkthrough inspection of the area. Numerous drums were labeled as containing hazardous waste as defined by RCRA. The majority of drums at this location were determined to be empty. A small number of drums were observed to contain paint- or solvent-soaked rags similar to those observed at the Circle Environmental site 1. A solvent-type odor was present in the vicinity of the drums and roll-off containers. Air monitoring results during the initial inspection indicated no readings above background in the breathing zone while readings on the PID reached 19.3 ppm immediately above an open drum containing rags and 53.2 ppm immediately above rags within two of the roll-off containers.

From September 11 through 12, 2007, ERRS personnel staged the drums on plastic sheeting while START inventoried and photographed each drum to document the drum condition and obtain available label information. Data obtained from these activities were entered into the drum inventory (Appendix C) maintained by Tetra Tech START.

From September 13 through 15, 2007, a backhoe was used to crush the empty drums and place them into three clean roll-off containers procured by ERRS and lined with plastic sheeting. In total, 364 drums were inventoried and photographed at the Circle Environmental site 2. This total includes 13 drums containing solvent-soaked rags; 3 drums containing accumulated water; 1 drum containing miscellaneous aerosol cans; 1 drum containing paint; 1 drum containing approximately 5 inches of sludge; and 345 empty drums. In addition, two roll-off containers were determined to each be approximately half full with solvent-soaked rags while the third roll-off container was determined to be empty. The two roll-off containers that contained solvent-soaked rags were covered with lumber and plastic sheeting. One composite sample was collected from the 13 drums containing solvent-soaked rags and one composite sample was collected from the 3 drums containing water. Both samples were shipped by ERRS to a fixed laboratory for waste disposal profile analyses. The 19 drums containing rags, water, aerosol cans, paint, and sludge were moved to the Circle Environmental site 1 for future transportation and disposal while the roll-off containers remained on site until transportation and disposal arrangements were finalized by ERRS.

4.0 WASTE DISPOSAL ACTIVITIES

In October and November 2007, EPA and ERRS personnel coordinated the transportation and disposal of the three roll-off containers of empty drums and the two roll-off containers of rags from the Circle Environmental site 2. On December 3, 2007, EPA, Tetra Tech START, and ERRS personnel mobilized back to the Circle Environmental site 1 for transportation and disposal activities, which were completed on December 18, 2007. ERRS personnel also swept the floor of the building at Circle Environmental site 1 and placed all sweepings into drums for disposal. Table 1 provides a summary of transportation and disposal activities. Attachment 1 provides a copy of the waste manifests generated during transportation and disposal activities.

Table 1
Summary of Transportation and Disposal Activities

Date Shipped	Manifest Number	Wastestream	Container Quantity	Disposal Facility
Circle Environmental Site 1				
12/07/07	Non-Hazardous Waste (00001)	Rags	88 drums	Vexor Technology (Medina, OH)
12/07/07	Non-Hazardous Waste (00002)	Rags	59 drums	Vexor Technology (Medina, OH)
12/07/07	Non-Hazardous Waste (00003)	Water (with debris) Heat Exchange Fluid	2 drums 1 drum	Vexor Technology (Medina, OH)
12/10/07	Hazardous Waste (002107194)	Perchloroethylene (high concentration)	69 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107195)	Perchloroethylene (low concentration)	26 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107196)	Pads and boom	8 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107199)	Absorbents	15 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107200)	Flammable liquids	2 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107201)	Paint	4 drums	Rineco (Benton, AR)
12/10/07	Hazardous Waste (002107202)	Grease	2 drums	Rineco (Benton, AR)
12/11/07	Hazardous Waste (002107197)	Pads and boom	72 drums	Rineco (Benton, AR)
12/17/07	Hazardous Waste (002107198)	Pads and boom	69 drums	Rineco (Benton, AR)
12/18/07	Hazardous Waste (002107193)	Pads and boom	16 drums	Rineco (Benton, AR)
12/18/07	Hazardous Waste (002107208)	Trash and floor sweepings	5 drums	Rineco (Benton, AR)
12/18/07	Non-Hazardous Waste (00017)	Empty drums and debris	1 roll-off container	Wolf Creek Landfill (Dry Branch, GA)
12/18/07	Non-Hazardous Waste (00018)	Empty drums and debris	1 roll-off container	Wolf Creek Landfill (Dry Branch, GA)

Table 1 Summary of Transportation and Disposal Activities				
Date Shipped	**Manifest Number**	**Wastestream**	**Container Quantity**	**Disposal Facility**
Circle Environmental Site 2				
10/16/07	Non-Hazardous Waste (00001)	Empty drums	1 roll-off container	Veolia-Taylor County Landfill (Mauk, GA)
10/16/07	Non-Hazardous Waste (00002)	Empty drums	1 roll-off container	Veolia-Taylor County Landfill (Mauk, GA)
10/16/07	Non-Hazardous Waste (00003)	Empty drums	1 roll-off container	Veolia-Taylor County Landfill (Mauk, GA)
11/13/07	Non-Hazardous Waste (00004)	Rags	1 roll-off container	Vexor Technology (Dorchester, SC)
11/13/07	Non-Hazardous Waste (00005)	Rags	1 roll-off container	Vexor Technology (Dorchester, SC)
12/07/07	Non-Hazardous Waste (00006)	Rags	13 drums	Vexor Technology (Medina, OH)
12/10/07	Hazardous Waste (002107203)	Water (with benzene)	3 drums	Rineco (Benton, AR)
12/18/07	Hazardous Waste (002107205)	Paint	1 drum	Rineco (Benton, AR)
12/18/07	Hazardous Waste (002107213)	Aerosols	1 drum	Rineco (Benton, AR)
12/18/07	Hazardous Waste (002107208)	Trash and floor sweepings	1 drum [a]	Rineco (Benton, AR)

Notes:

[a] Includes one drum (2-084) that contained 5 inches of oily sludge and was transported from Circle Environmental site 2 to Circle Environmental site 1, where it was used to contain floor sweepings before being shipped for disposal.

5.0 POST-RESPONSE SAMPLING ACTIVITIES

This section provides a summary of post-response sampling activities conducted at each site following the completion of transportation and disposal activities.

Circle Environmental Site 1

Following completion of transportation and disposal activities, Tetra Tech START collected three air samples from the site on December 19, 2007 for fixed laboratory analyses of VOCs and semivolatile organic compounds (SVOC). Two samples were collected from the interior of the building while one sample was collected from outside the building near the south entrance (see Figure 2). Each air sample was collected using the following equipment: a summa canister fitted with a critical orifice (flow controller), which was cleaned and pre-calibrated by the laboratory for the collection of approximately 6 liters of air over an 8-hour period; and a polyurethane foam sampling tube in conjunction with a Gilian GilAir5® personal air sampling pump, which was calibrated on site before and after sampling to calculate the volume of air pulled for each sample. Upon completion, air samples were packaged and shipped to Air Toxics, Ltd. (Folsom, California) for the following fixed laboratory analyses: VOCs using EPA Modified Method T-015; and SVOCs using EPA Modified Method TO-13A.

Legend

◊ Air Sample

0 50 100 Feet

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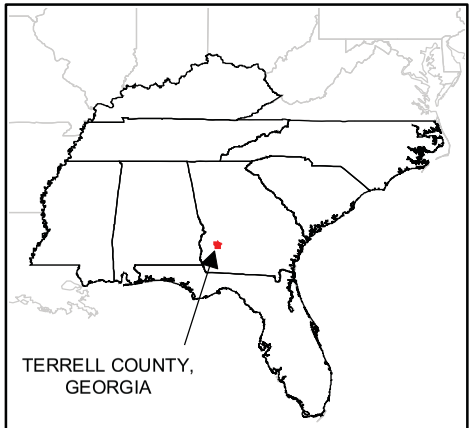
MAP SOURCE:
USGS, GLOBE EXPLORER 2008



United States Environmental Protection Agency

CIRCLE ENVIRONMENTAL SITE 1
DAWSON,
TERRELL COUNTY,
GEORGIA
TDD No.TTEMI-05-001-0047

FIGURE 2
AIR SAMPLING LOCATIONS

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2007-11-14 C:\GIS_Workspace\TTEMI-103\D2428901_Beasley_Allen\Figures\GIS\MXDs\Site Location\MUSCLE SHOALS-AL MERCURY SITE LOC MAP 01-02-08 TTEMI-GA courtney.roden

Table 2 provides a summary of analytes detected in the air samples as well as their respective EPA Region 9 preliminary remediation goals (PRG) for ambient air. A copy of the analytical data package and data validation report is provided in Attachment 3.

Table 2
Summary of Analytical Results for Air Samples
Circle Environmental Site 1

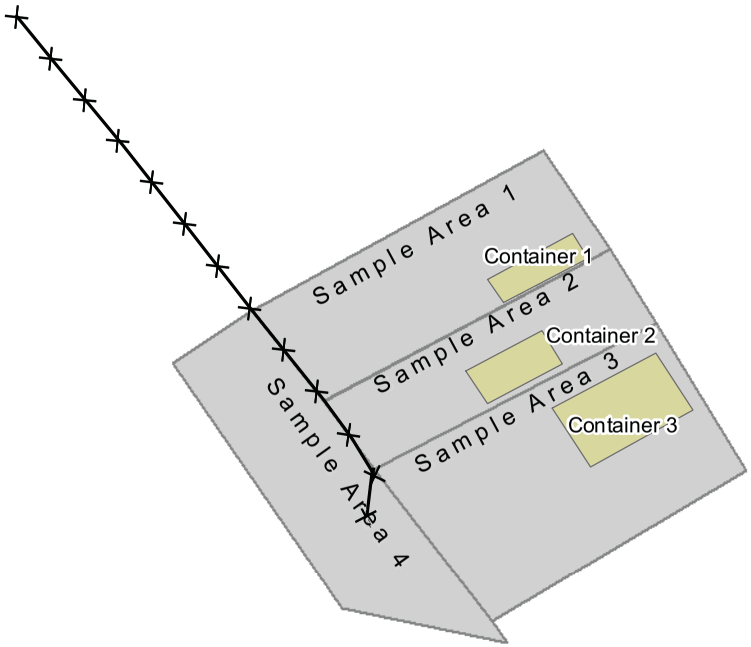
Analyte	Sample Identification and Analyte Concentration (µg/m^3)				EPA Region 9 PRG for Ambient Air (µg/m^3)
	A-01	A-01 (Lab Duplicate)	A-02	A-03	
Volatile Organic Compounds					
Acetone	32	31	34	ND	3,300
2-Propanol	41	39	42	ND	NE
Methylene chloride	24	24	15	24	41
Toluene	3.9	3.6	4	ND	400
Tetrachloroethylene	ND	**6**	**6.3**	ND	0.32
m,p-Xylene	ND	ND	3.9	ND	110
1,2,4-Trimethylbenzene	5.6	4.9	5.9	ND	6.2
Semivolatile Organic Compounds					
1,4-Dichlorobenzene	**0.98**	**0.97**	**0.97**	**0.94**	0.31
Isophorone	**17**	**17**	**16**	ND	7.1
Naphthalene	0.63	0.62	0.63	ND	3.1
di-nButylphthalate	2.4	2.4	2.3	ND	NE
bis(2-ethylhexyl)phthalate	ND	ND	**2.9**	ND	0.48

Notes:

Bolded concentrations indicate exceedances of the PRG for that analyte
µg/m^3 Microgram per cubic meter
ND Not detected
NE None established
PRG EPA Region 9 Preliminary Remediation Goal

Circle Environmental Site 2

On September 27, 2007, EPA and START returned to Circle Environmental site 2 to collect soil samples from the area where the drums and roll-off containers owned by the PRP had been stored. The purpose of the samples was to determine whether contaminants had been released from the drums or roll-off containers formerly stored at the location, and if so, whether a removal action was warranted. Tetra Tech START collected four composite soil samples plus one field duplicate sample from the site (see Figure 3). Each sample consisted of five aliquots with one aliquot in each sample biased toward areas receiving drainage that may have carried contaminants released from the roll-off containers owned by the PRP. The soil samples were subsequently packaged and shipped to Shealy Environmental Services, Inc. (West Columbia, South Carolina) for the following fixed laboratory analyses: VOCs using EPA Method 8260B; SVOCs using EPA Method 8270C; and RCRA Metals using EPA Methods 6010B and 7471A.

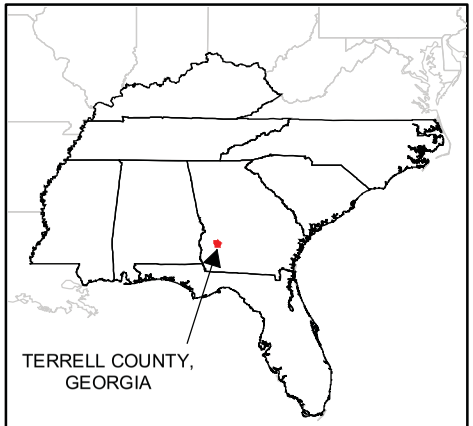


Legend

- Sample Areas
- Rolloff Containers
- Fence

0 25 50 Feet

1:600



United States Environmental Protection Agency

CIRLE ENVIRONMENTAL SITE 2
DAWSON,
TERRELL COUNTY,
GEORGIA
TDD No.TTEMI-05-001-0048

FIGURE 3
SOIL SAMPLING LOCATIONS

TETRA TECH

2007-11-14 C:\GIS_Workspace\TTEMI-103\DZ428901_Beasley_Allen\Figures\GIS\MXDs\Site Location\MUSCLE SHOALS-AL MERCURY SITE LOC MAP 01-02-08 TTEMI-GA courtney.roden

Analytical data did not reveal the presence of any contaminants at concentrations exceeding EPA Region 9 PRGs for residential soil. A copy of the analytical data package and data validation report is provided in Attachment 3.

6.0 SUMMARY AND CONCLUSIONS

In early September 2007, EPA received notification from officials with the City of Dawson, Georgia regarding abandoned drums and hazardous waste located at two locations in Dawson, Terrell County, Georgia; the drums were reportedly associated with Circle Environmental. The sites were identified as Circle Environmental site 1, located at 170 5th Avenue SW, and Circle Environmental site 2, located at 2222 Albany Highway. Following their initial inspection on September 10, 2007, EPA notified Tetra Tech START of the situation and requested responders to mobilize to the sites on September 11, 2007.

Upon arrival, hundreds of drums as well as three roll-off containers partially filled with solvent-soaked rags were observed. Reportedly, Circle Environmental was involved in the recycling of oil-contaminated absorbent materials, including booms, pads, socks, and shop towels. Many of the drums were labeled as containing tetrachloroethylene, also known as perchloroethylene.

Initial response activities included the staging and inventorying of all drums at each site. Label and marking information were recorded into a drum inventory maintained by Tetra Tech START. Each drum was inspected and hazard categorization tests were performed to determine appropriate wastestream groups, which were identified based on conversations between EPA and the owner of Circle Environmental as well as field observations and waste disposal profile requirements.

Composite samples were then collected from each of the wastestream groups and shipped to a fixed laboratory by ERRS for waste disposal profile analyses. On September 26, 2007, personnel demobilized from the sites pending finalization of transportation and disposal arrangements.

Upon receipt of analytical data for waste disposal profile analyses, the wastestream groups were finalized and personnel mobilized back to the site for transportation and disposal activities. Table 3 provides a summary of waste disposal activities for each site, including the number of containers shipped as well as identification of the wastestream groups and disposal facilities used. Transportation and disposal activities were completed on December 18, 2007.

Table 3 Summary of Waste Disposal Activities			
Wastestream	**Container Quantity**	**Container Type**	**Disposal Facility**
Circle Environmental Site 1			
Perchloroethylene (high concentration)	69	Drums	Rineco (Benton, AR)
Perchloroethylene (low concentration)	26	Drums	Rineco (Benton, AR)
Pads and boom	165	Drums	Rineco (Benton, AR)
Absorbents	15	Drums	Rineco (Benton, AR)
Rags	147	Drums	Vexor Technology (Medina, OH)
Flammable liquids	2	Drums	Vexor Technology (Medina, OH)
Grease	2	Drums	Vexor Technology (Medina, OH)
Heat Exchange Oil	1	Drum	Vexor Technology (Medina, OH)
Paint	4	Drums	Rineco (Benton, AR)
Trash and floor sweepings	5	Drums	Rineco (Benton, AR)
Water (with debris)	2	Drums	Vexor Technology (Medina, OH)
Empty drums and debris	2	Roll-off containers	Wolf Creek Landfill (Dry Branch, GA)
Circle Environmental Site 1 Totals	**438** **2**	**Drums** **Roll-off containers**	
Circle Environmental Site 2			
Rags	13	Drums	Vexor Technology (Medina, OH)
Rags	2	Roll-off containers	Vexor Technology (Dorchester, SC)
Paint	1	Drum	Rineco (Benton, AR)
Aerosols	1	Drum	Rineco (Benton, AR)
Water (with benzene)	3	Drums	Rineco (Benton, AR)
Trash and floor sweepings	1	Drum [a]	Rineco (Benton, AR)
Empty drums and debris	3	Roll-off containers	Veolia Taylor County Landfill (Mauk, GA)
Circle Environmental Site 2 Totals	**19** **2** **3**	**Drums** **Roll-off containers (rags)** **Roll-off containers (empty drums and debris)**	

Notes:

[a] Includes one drum (2-084) that contained 5 inches of oily sludge and was transported from Circle Environmental site 2 to Circle Environmental site 1, where it was used to contain floor sweepings before being shipped for disposal.

Following completion of transportation and disposal activities, three air samples were collected from Circle Environmental site 1 and four soil samples were collected from Circle Environmental site 2 to determine if further contamination was present. Analytical data for air samples collected from Circle Environmental site 1 indicated the presence of tetrachloroethylene, 1,4-dichlorobenzene, isophorone, and di-n-butylphthalate at concentrations exceeding the respective PRGs for ambient air. Analytical data for soil samples collected from Circle Environmental site 2 indicated that no contaminants were present at concentrations above the respective PRGs for residential soil.

APPENDIX A

LOGBOOK NOTES
(42 pages)

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136
a1
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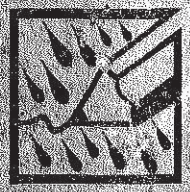
Circle Environmental #1 (LOG BOOK 1 of 2)
170 5th Avenue SW
Dawson, Terrell County, Georgia
ITEM-05-001-0047



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CONTENTS

PAGE	REFERENCE	DATE
	BSC	9-11-07

9/11/07

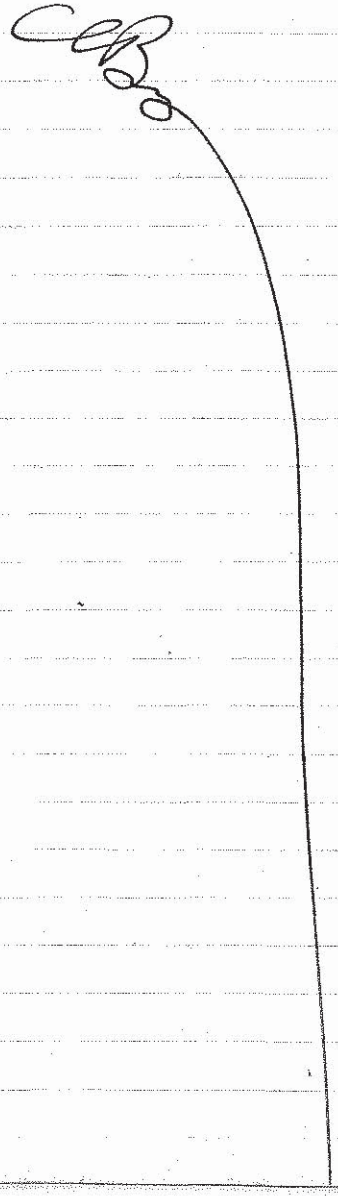
1200 Arrive at 170 6th Avenue Dawson GA. Former operating location of Circle Environmental
- Previous EPA investigation showed 9 ppm at the open door.
- START making entry Level D with PID, FID, O_2, LEL, CO SO_2, Ludlum 2241 non Cpm
FID background = 0.4/8
PID 0.0
20.9 O_2
CPM = 40-60

1200 At door FID = 2.4/1 PID = 0
Inside PID - 7.0 - 10.3
0% LEL
FID highest = 6.8
- Room contains approx 200 drums, about 1/3 empty.
- FID inside an open drum from the top of rossa = 390 ppm
- many drums labelled "Oil Absorbent)
- Several dozen w/ Haz Waste labels
Tetrachloroethylene —
- Count up to 450 drums —
- News crew arrives on site

Circle Environmental (170 5th Avenue)

9/11/07

1320 note back to Albany Rd location



9/12/7

0745 M. Bicksler + R. Sweeney (WRS) START
Berry arrive to scope out workplan.
0800 CID F. Garcia arrives w/ OSC Webster.
0815 Workplan established —
1. Clean house, including stacking up empty drums for space and sweeping up oil-dry. —
2. Unstack drums in west end of bldg + bring to east end. —
3. Create Level B drum sampling work zone in center of bldg. —
4. Bring drums from east through sampling zone. Drums will be opened and visually inspected, then assigned a waste group. ~~As soils start there are few waste streams expected, we'll be mostly~~ CCB
- Containers containing unique contents will be ~~the~~ sampled for hazcat.
- Containers falling into a common group will be sampled for later compositing
- START will #, photo, + copy down label info for each drum.
- Drums will then be placed into groups in the west end of the bldg.

CCB

9/12/7

0830 When trying to roll down bay doors we opened upon entry, WRS is unable to close one. The bottom support is broken. OSC Webster wants to get it fixed before COB. ——
0900 Long-reach full forklift arrives. OSC Jardine filming / documenting warehouse contents ——
1045 ERLS Loading pallets onto flatbed. ——
1200 START at Lunch
1230 START begins numbering empty drums + documenting. ——
1300 START Berry searching for Wi Fi to download sampling write-up.
1345 Air monitoring Survey performed
All empty drums stacked on side up against back wall.
PID - 5.7 in breathing zone. 17.0 ppm near floor.
O_2 20.9
LEL - 0
CO - 0
H_2S - 0

CCB

9/12/7

1430 WRS preparing to make Level C entry to sweep the floors.

1500 Swept + on break.

1515 WRS returns to put sweepings in can.

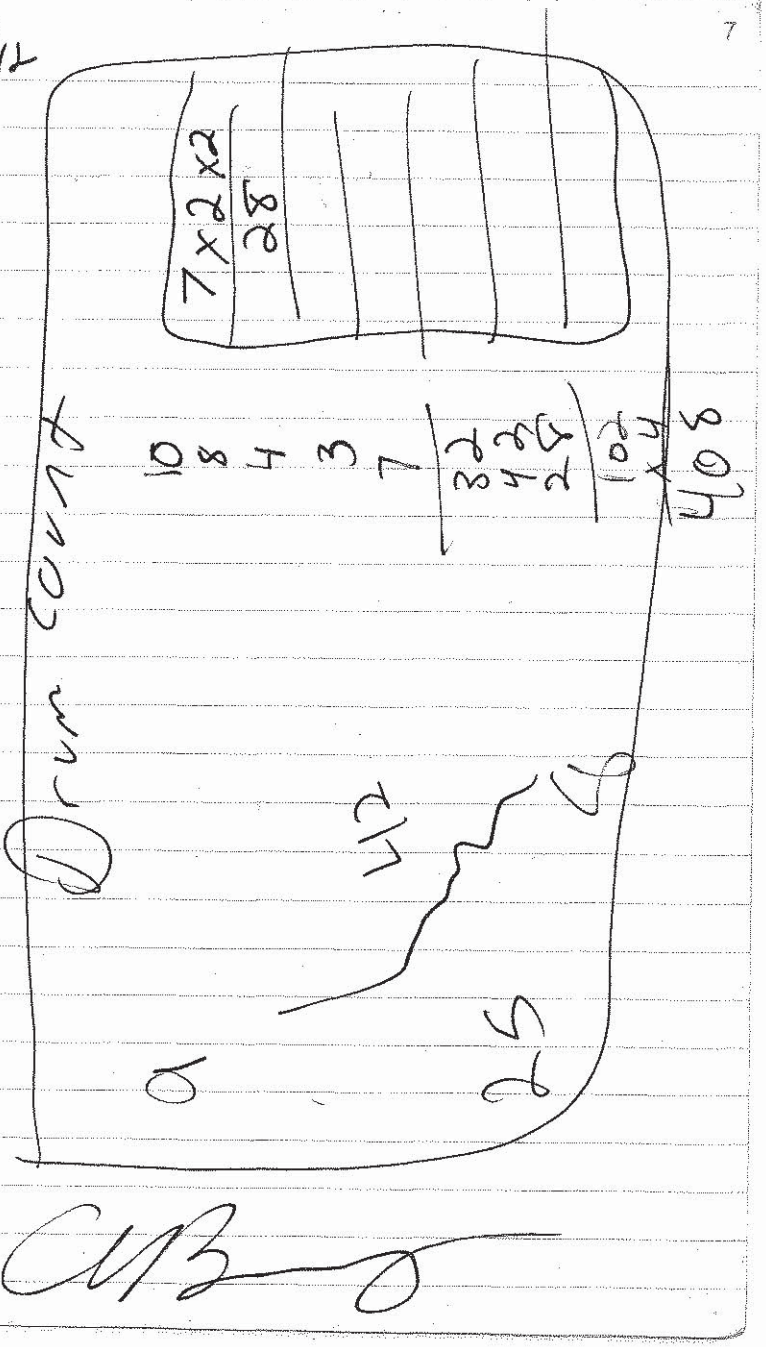
1530 START monitoring w/cms
PCRC 5-150 ppm = <5.0
Benzene 0.2-10 ppm = <0.2
Ethanol 100-2500 ppm 310 ppm
Toluene 10-30 ppm = <10 ppm
Oxylene 10-300 = <10 ppm
-Monitoring done while walking continuous loop through warehouse to average results throughout

1545 WRS begins staging drums from the west end for sampling tomorrow.

1600 START logging + photoing drums using drumlogs

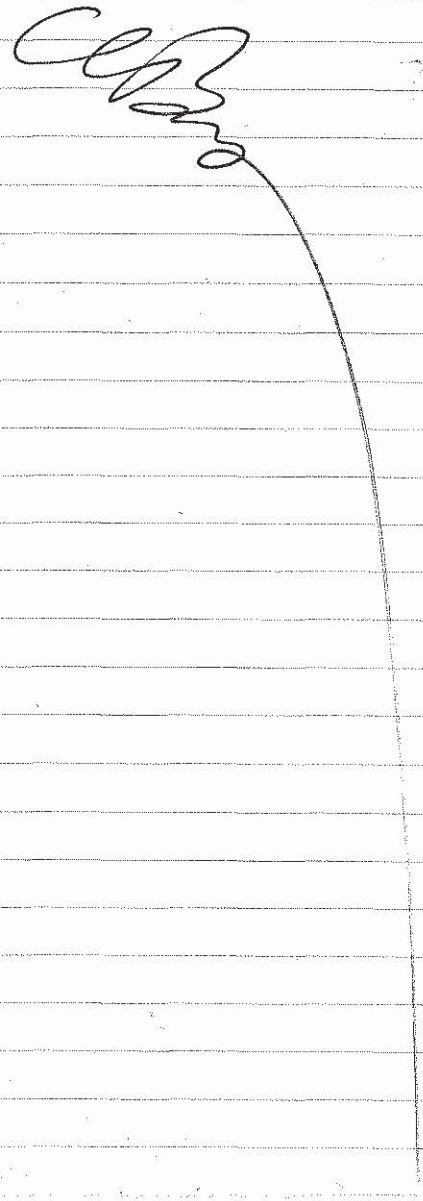
1730 Up to #169 logged.
ERRS fixed door (bay)
Setting out fence stakes for const. barriers around parking lot.

9/12



9/12/7

1750 START offsite.



9/13/7

0700 ~~WOFS~~ CCS
- START(3), WRS(6) on site
- WEATHER - High 90
60% chance of a'noon t'storms.

WORKPLAN - Prep for Level B
- Pull down drums + stage
- PM Sweeney en route back from ATL. ETA of 0800.

0715 START Jones to CE2 site
- START Croft calibrating MultiRAE.
- WRS operator + foreman to CE2 Leave 3 techs to stage pallets.

0736 Dawson PA chief Wilson on site. Speaks w/ OSC Webster ——

0735 Air monitoring sweep by START
0.6 background in parking lot. (PID)
Highest observed reading in bldg is 2.0 ppm (PID). NO LEL, O_2, CO, H_2S changes from background. (0, 0, 0, 20.9)

0800 WRS moving drums.
START numbering photo + documenting drums. ——

0830 Attempting to Get RAT up + running

0930 WRS done w/ drum moving.

1030 RAT up + running. B. Coats CCS

9/13/7

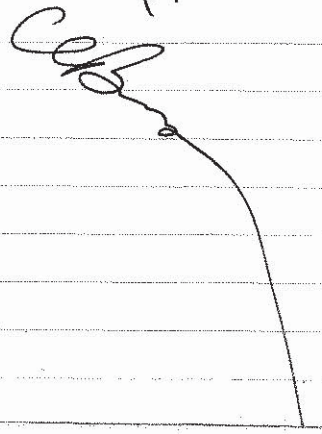
1030 (cont) entering new drum data.
1035 Pallet removers arrive on site.
1115 Lunch ———
1145 Return to site. WRS packaging disposal profile samples for CE2.
- Crew at lunch. ———
1150 Crew back. ———
1300 WRS continues to stage drums
1320 Speak w/ Fire Captain @ Firehouse. OKs refilling of SCBA Bottles. ——
1400 WRS operators moves 4-high pallets of PERC down from mesa wall. ———
1410 2nd laborer moving to CE2
Operators + 2 laborers now returning.
1430 START/WRS brainstorming on sampling protocol.
1600 Protocol finalized w/ OSC website
- One WRS Level B will open
- Right Behind are 2 Level B to determine waste stream. 5 streams expected: 1) Rags, 2) PERC 3) Petroleum oil, 4) floor o.i dry, 5) Oily Pads & boom.
- The drum will then be color-coded

CM2

9/13/7

1600 (cont) and moved into streams.
- Unrecognized contents will be sampled for later Herca.
- a small aliquot of each solID sample will be collected for later ~~consolidation~~ compositing.
- liquid (PERC) will be determined by water test (density). 10% will later be sampled for profile.
- Unallocated drums will be put aside as a whole + dealt with later.

1615 START off site. WRS setting up perimeter construction fence and prepping air tanks. START has pre-staged shelves + ~~bottles~~ sample jars. Will hit Lowe's for supplies. ———



~~9/13~~ 9/14/07

0700 START, ERAS onsite.

WEATHER High near 90.
80% chance pm storms. Currently 78.

WORKPLAN --
- Level B drum sampling
- color-code
- segregation by waste stream

0730 START & WRS prepare equipment and staging for drum sampling activities — BSL

0845 START/WRS suiting up to begin drum sampling activities — BSL

0920 START/WRS enter zone (level B) to begin drum sampling activities — BSL

1020 START/WRS exits zone — BSL

1125 Tommy Raintree w/ Dawson Davis took photos of START and WRS working in level B. START C. Jones (CJ) took 2 photos of Mr. Raintree.
- B. Croft enters zone (level B) @ 1120. — CAJ

1315 LUNCH — BSL

1400 WRS/START suiting up for next entry to continue drum sampling — BSL

1425 START/WRS enter zone BSL 9-14-07

Circle Environmental I

ERAS 9-14-07 (5th Ave)

1540 START exits zone
- WRS continues to close up drums

1650 START offsite

BSL 9-14-07

9/15/07

0700 START ONSITE. WRS arrives.
WEATHER Currently sunny/clear 70°, High 90. 20% chance T'storms
WORKPLAN
- Secure drums (lids & bungs)
- Stage according to color
- QC drum logs
- Restage Bring down new drums & stage for sampling
- Sample drums.
- Clean drums w/ PSRC on lunch
0730 START Berry walks Level C entry w/ WRS & goes over disposal sample collection.
0800 START Jones at CE2.
0830 START Berry out of zone. Sampling is OK. WRS on break
0900 WRS entering zone to complete securing drums. START Crafton & Berry complete QC of drums. 3 were re-colored.
0950 START Matt Springer arrives on site. C. Jones will debrief shortly when CE2 comes to a stopping point.

9/15/7

1100 C. Jones departs for Atlanta. WRS sets up impact wrench to speed up drum opening process.
1115 Lunch
1230 Preparing for staging ops. WRS dressed out. OSC Webster restarting RAT system.
1245 CO on RAT ↑ 50 ppm. Alarm going off. START brings in MultiRAE & readings ≈ same.
- WRS brings in generator & small fan, to combat CO from forklift
1300 WRS all set for big fans.
- Crew dressing out Level B to move drums and stage double-stacked drums.
1445 WRS continues to stage double stacked drums in level B - CO up to 1000 ppm
- also sweeping floor in east end of building before staging drums there BSC
1535 WRS offsite to put 2x4's & tarps over rolloffs @ Albany Rd.

BSC 9-15-07

16 9-15-07 Circle Environmental 1 5th Street

1645 WRS back onsite - resumes relocating Sandia-stacked drums ——— BSC

1730 START WRS offsite ———

9-15-05

BSC

17

9/16/7

0700 START, WRS on site.
Enter Bldg w/ MultiRAE & Dräger 4-gas. CO=0 on both instruments. ———

0715 ~~START~~

WEATHER ———
Sunny, clear, 88, 20% chance of afternoon T'storms. Currently cool + clear.

WORKPLAN –
- document staged drums
- continue sampling drums.
- Level B. ———

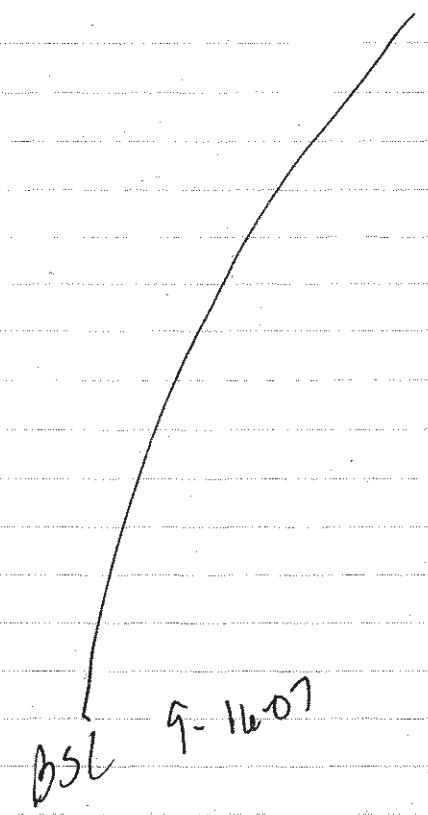
0900 START dressing out for sampling.
0930 START enters zone to continue drum sampling
1030 START exits zone ——— BSC
1100 START enters zone Level B (cool+)
- WRS Sweeney to continue drum sampling. ———
- WRS drum opening crew on break.
1130 Drum crew reentering zone.
- Work up burn rate #s for BSC Website. 3K/day at current staff.

9/16/7

1215 START croft exits zone.
1230 Plan w/ OSC Webster and R. Sweeny for day.
- No add'l sampling will be done. ~~Hot~~
- WRS will close up sampled containers.
- START will complete logging, photo, doc on all drums
- Refill air bottles.
- Input data into database.
1330 START in zone Level D, Logging drums, will photo later when rings are reattached
1340 WRS in Level C reattaching rings
1400 START Springer @ fire station
1410 START Berry completes sample collection for solid drums sampled today.
- START Croft logging data into database.
1500 Speak w/ OSC Webster. Wants to collect composite sample of each potential RP Generator
cccs

9/16/7

1500 (cont) START Springer returned
1530 WRS transfers Drum 411 to Drum 090. 411 was leaking water/oil onto floor.
1600 Packing up site. —
Planter tomorrow is to complete sampling.
1700 START off site.

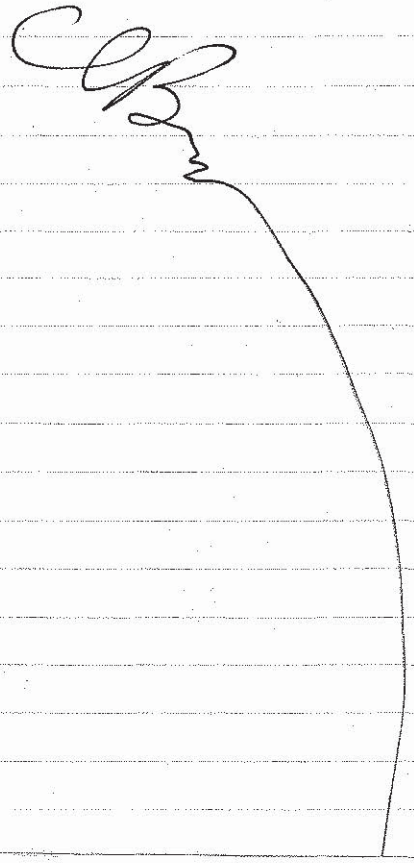


9/17/7

0700 START, WRS onsite ——— BSC
- Calibrating equipment, setting up RAT
- survey bldg w/ MultiRAE
- weather: sunny, high 85 - currently cool & clear
0845 START, WRS suiting up to continue drum sampling ——— BSC
0850 START, WRS enter zone to continue sampling
WEATHER - Sunny, warm. High in Mid→Upper 80's. Currently 76° + clear. ———
1040 START Berry + Springer exits ZONE. All sampling should be completed now. ——
- START Croft QC'ing data.
- WRS ~~repacking~~ closing up drums.
1140 START Berry Springer at lunch. Croft stays to complete QC. ———
1215 Return to SITE. WRS dressing out for drum closure. ———
1330 WRS staging given drums
1430 START does air current study in warehouse. No current in western ½ of

9/17/7

1430 (cont) bldg. WRS bringing in add'l fans. 1-40" currently running, but slowly. ——
1630 WRS packed up. OSC Webster + Jardine want to meet at 1900 tonight for crossover meeting. ———
- START offsite.

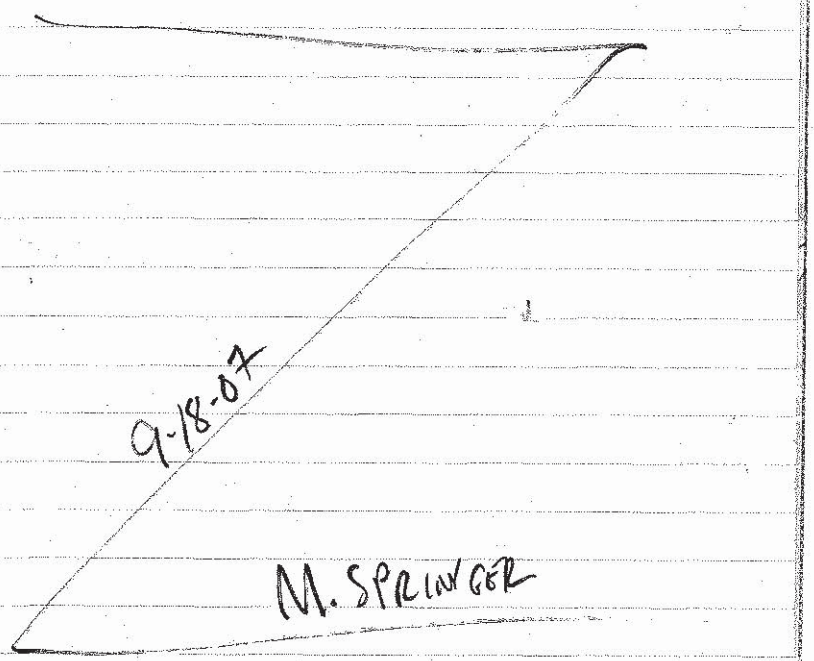


Circle Environmental I
9-18-07 (5th St.)

0700 START onsite 0745 - safety meeting
- setting up RAT
- screening drum inventory for "pads"
weather: currently clear & cool (60's)
forecast - clear, high's in upper 80's
0800 WRS moving & restaging drums into new "groups" to facilitate sampling and PRP disposal
0845 START formulates a sampling plan for the green drums at the warehouse. The "green sampling scheme" isolates 17 of the drums based on generator label info. The generators are all Circle Electric (CE) with some drums showing labels of "Alcan," "Dana", "Eftec-GM", & "Quaker"; START Berry starts other sampling strategy
0930 - crew takes break
1020 - Multi-warn readings taken; CO @ 6-7 throughout warehouse; fans set up & smoke test performed
1210 - break for lunch
1310 - return from lunch; RAT set up again for afternoon session; START Berry working on liquids sampling plan while START Springer overseeing "green" drum placement along warehouse wall
1335 - START Springer notes RAT outputs CO = 6-7; port-A-johns delivered; crew breaks

BSC 9-18-07

1420 - Multiwarn reading in fanned zone = 3 ppm
center of warehouse = 3 ppm
NW corner of warehouse = 3 PPM
SW corner of warehouse = 2 PPM
1520 - met w/ EPA Jarvine; wants fan configuration moved
1600 - fan configuration worsened CO in NW & SW corners of warehouse
1630 - START puts equipment away for day
1700 - START leaves site



9-19-07 Circle Environmental, 5th St, Dawson, Ga

0650 - START on-site
weather: 57°F, 29.76 humidity, sunny
RAT set up / Multiwarn set up
. weather station set up; START continuing to isolate red, blue, yellow drums
0720 - safety meeting with WRS, EPA, START
0820 - Multiwarn brought into warehouse
0950 - START, WRS, EPA discuss sampling strategy,
1020 - START, WRS discuss more detailed sampling strategy.
1045 - START begins sampling A representative pre-determined sampling # for All drums in the warehouse. The key for the drums is as follows:

CONTENTS IN DRUM:	COLORED AS:	GENERATOR:	# DRUMS
Oily pads (or boom)	Green	Circle Env.	16
Rags (w/ paint, etc.)	Red 1	Circle Env. (GA)	
"	Red 2	Circle Env. (GA-KY)	
"	Red 3	Circle Env. (GA-KY-SC)	
"	Red 4	Circle Env. (Venture)	
oil absorbant	Yellow	Circle Env.	
petro / oil (aka floaters)	Blue	Circle Env.	
perc (aka sinkers)	Orange	Circle Env.	

M. Springer 9.19.2007

9/19/2007 Circle Env, 5th St. Dawson, Ga

A breakdown of these drums is as follows:

16 Green drums: #'s 1-178, 1-179, 1-196, 1-271, 1-285, 1-291, 1-318, 1-363, 1-365, 1-388, 1-405, 1-407, 1-411, 1-436, 1-437, 1-509

32 red drums: #'s 1-143, 1-162, 1-208, 1-250, 1-267, 1-293, 1-314, 1-338, 1-381, 1-428, 1-445, 1-477, 1-515, 1-496, 1-235, 1-228, 1-230, 1-236, 1-237, 1-238, 1-304, 1-490, 1-527, 1-227, 1-153, 1-169, 1-206, 1-485, 1-487, 1-488, 1-519, 1-533; of these,
13 "Red 1": #'s 1-143, 1-162, 1-208, 1-250, 1-267, 1-293, 1-314, 1-338, 1-381, 1-428, 1-445, 1-477, 1-515
10 "Red 2": #'s 1-228, 1-230, 1-235, 1-236, 1-237, 1-238, 1-304, 1-490, 1-496, 1-527
1 "Red 3": # 1-227
8 "Red 4": # 1-153, 1-169, 1-206, 1-485, 1-487, 1-488, 1-519, 1-533

10 Yellow drums: #'s 1-151, 1-201, 1-210, 1-258, 1-269, 1-276, 1-345, 1-348, 1-374, 1-400

10 Blue drums: #'s 1-104, 1-123, 1-138, 1-155, 1-167, 1-174, 1-220, 1-393, 1-419, 1-501

M Springer

9/19/2007 Circle Env, 5th St. Dawson, GA

10 orange drums: #'s I-110, I-116, I-135, I-158, I-176, I-185, I-191, I-199, I-222, I-241

1245 - START finishes this process
1300 - lunch
1400 - START back from lunch
1410 - START performs air monitoring of warehouse w/ Multi-warn - All readings ok
O_2 = 20.9, LEL = 0, CO = 3.8, VOC = 0.5
1420 - START monitors WRS' stacking of drums & helps w/ housekeeping at warehouse
1620 - START, WRS discuss strategy for 9/20 regarding HAZCAT & soil sampling At site 2 (Circle Env. 2) located @ 2222 Albany Rd, Dawson
1655 - START, WRS Arrive back on site; hands over EPA equipment to EPA (weather station, Auto emergency kit, 3 Air tanks, hazcat meters, etc.
1700 - START Berry leaves site
1730 - START Springer breaks down RAT, loads up, & leaves site

9/19/07
M. Springer

9/20/07 Circle Env, 5th St. Dawson Ga

0700 - Safety meeting on-site with START, WRS, EPA; Weather: cloudy, wind gusts, 66°F
0710 - START Springer sets up RAT
0720 - Multi-warn is also in warehouse
0805 - EPA Jardine requests that any soil sampling that occurs @ Site 2 (2222 Albany Rd.) should have EPA Cicero on-site so he can watch
0900 - Warehouse checked with both RAT & Dräger CO ranging from 0.7 to 3.3, VOC = 0.6
1120 - RAT reports readings of CO from 0.5 to 3.0, VOC 0.5
1155 - START Springer speaks w/ START Berry regarding status of Circle Env. 1
1200 - START, WRS break for lunch
1250 - START, WRS back from lunch; START sets up RAT for pm activities; START records CO = 0.5, VOC = 0.5; Dräger reading of 2 ppm in center, NW, & SW corners
1320 - START Springer begins updating drum inventory per START Berry's request
1330 - START Springer changes Drum #1 - from yellow to green

M. Springer 9-20-07

9/20/07 - Circle Environmental 1, 5th St, Dawson, GA. (CONT.)

1355 - START checks RAT & Multiwarn
CO = 2.2 - 3.7 ppm | CO = 6 - 7 ppm
VOC = 1.3 ppm

1401 - START isolates drums that will be "hazcat" There are 17 and they are As follows:
1-270, 1-271, 1-316, 1-289, 1-043, 1-218, 1-253, 1-247, 1-290, 1-412, 1-307, 1-308, 1-124, 1-262, 1-317, 1-386, 1-497.

1410 - START Assists WRS with overpacking; so far 10 have been overpacked; START takes photo of both overpacks ready to be used & the 10 currently in the warehouse;

1430 - EPA Cerino requests start go to Office Depot, Albany to purchase 10 "Mean streak" markers so overpack drums can be clearly labelled

1530 - START returns from Office Depot & Assists with labelling overpack drums

1545 - START monitors warehouse with both RAT & Dräger multi-warn; RAT readings are 3.3 ppm CO, 1.5 ppm VOC; Multi-warn readings throughout warehouse is 9 ppm and the forklift has been continually running during the overpack pr WD ~~a twist~~ M Spratling

9/20/07 - Circle Environmental 1, 5th St. Dawson, GA (cont.)

1616 - began to sprinkle on-site

1627 - START identifies drums that are waste drums from sweeping oil absorbent, cleaning up warehouse, etc. These are:
1-027 → thieves, wood, rags, oil absorbant
1-053 →
1-093 →
1-100 →
1-091 →
1-092 → wood
1-535 → empty
1-096 → PPE

BSC

1440 - START shuts down RAT & multiwarn, keeps RAT buggy in warehouse.

1441 - OSC Cerino insists that START begins soil sampling for site 2; START tells OSC this can't happen until protocol/strategy cleared by GA/GC reps with START. OSC to call START Barry to discuss

BSC

9/20/07 Circle Env. 1, 5th St. Dawson Ga

1824 - START Springer speaks with OSC Cerón re: sampling @ Site 2.

1841 - START helps secure warehouse + leaves site

9/20/07 - M. SPRINGER

9/21/07 - Circle Environmental 1, 5th St, Dawson, Ga

Weather: mid 60's, rain, heavy at times

0655 - START arrives on-site & performs air monitoring with multirae, readings are VOC = 2.9-3.4, CO = 1-2 throughout warehouse; Drager reading show CO = 1 ppm

0710 - WRS crew did not show up & likely returned to their homes; WRS personnel on-site: Sweeney, Carl, Melvin

0750 - OSC Cerón makes executive decision to close down warehouse at 1200.

0800 - Dawson police on-site and will stay on-site to monitor warehouse until Monday

0915 - OSC Cerón states he is leaving area WRS Sweeney at hotel gathering paperwork

0925 START takes additional air monitoring readings CO = 3 ppm; VOC = 0.2-0.5 ppm

0950 - stops raining, sun comes out

1030 - START Springer places RAT carrick into START vehicle at request of OSC Cerón. START then cleans area near & around where START vehicles had been positioned near warehouse site

9-21-07 MSpringer

9-21-07 Circle Env. 1 - 5th St, Dawson GA (CONT)

1045 - START Springer compares samples in "hazcat" box with those in database. The following do not match up: 1-043, 1-244, 1-248, 1-313, 1-316, 1-393, 1-394, 1-412

1050 - START begins mapping out drums for WRS but then starts to help w/ housekeeping

1145 - START leaves site for Atlanta

9-21-07

M. Sprinkle

9/24/7

1500 START on scene WRS(2) on site. WRS Jm Sweeney & Foreman have finished staging for CPS.

1515 START & WRS attempting to correlate collected samples w/ 'black' group - Many samples were to confirm original assessment. Checking Locations as well. Many 'black' staged.

-1-394 moved to blue group HAZCAT

'218 + Bilstein Cl test on lower layer - Orange

'289v Floatson H_2O prior to mix. White mix. - ~~Heat smells~~ ether Almost Flam (comb) miscible w/water on agitation Polar organic

'313 Drum labeled Heat Exciting or Insoluble in H_2O use Label Bilstein test Org

9/24/7

386 ✓ Miscible
Nonflam
no odor
pH = 6
Water?

244 ✓ Bilayer
Top light waxy
Bottom dark oily
Bilstein top N.
bottom positive
Orange

290 ✓ Flam similar to 289
but less water

253 ✓ obvious paint nonflam
248 ✓ obvious paint slight flam
MIX + sample for metals
Analysis

247 Bilayer top Yellow
bottom Grey
Non Flam
Suspends when shaken
cm

9/24/7

247 cont looks like mud
in water. Leaf
decaying odor
pH = 8
Inert + H_2O

✓308 Thick Black solid
slight flam
water insol
Grease / Tar

✓262 Same as 308
Collect add'l volume
for sample

307 Solid w/ liquid
slight flam (comb on liquid
fraction)
- Paint Cleanup

270 Electrical wire insulation
after removal of copper,
mixed w dirt, grease, floor
sweepings.

9/24/7

394. ✓ Insoluble, floats
Non flam combustible
- Slightest of all possible
Bilstein positive
ORANGE

317 ✓ Bilayer floating oil
Oil is flam
bottom is not
Top POS for Bilstein
low level ORANGE

124 ✓ Bilayer top water inflam
bottom sinker oil
Pos Bilstein
ORANGE

467 ✓ Tan liquid small amt
of sediment.
Non flam
pH 5-6
WATER Bilstein neg

9/24/7

393 Bilayer
Top dark oily.
Bottom dark green
Top slightly Bilstein Pos
~~ORANGE~~ BLUE
1800 START, WRS offsite.

9/25/7

0700 START, WRS on site.

WEATHER —

- sunny, high 90, no chance rain

WORKPLAN -

- Perform final QC on drum groups. ——
- Repair doors & secure for short shutdown. ——

0730 RAT set up. CO = 10-15ppm
Realign exhaust of generator
Levels drop to 2-5 ppm.

D 1-412 Hazcat
Non flam light tan clear
liquid. miscible in H_2O
pH = 4.5

0830 START & WRS building drum map by row. ——

1100 OSC Webster asks START to collect disposal profile samples today so they can be delivered w/ others. —

1130 Lunch. ——

1215 Return & continue to track down stray drums in database.

- Eliminating duplicate IDs in Map.

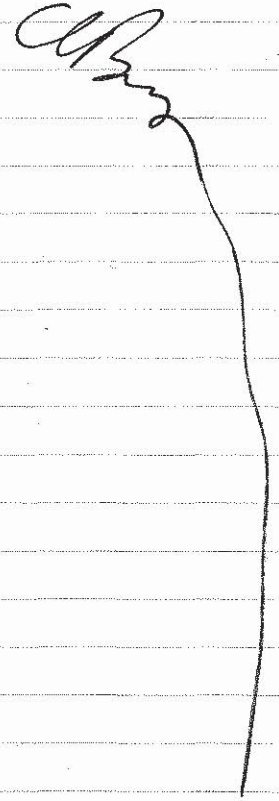
9/25/7

1630 Map complete. Attempting to print. ——

1700 Cannot get drivers installed. Will print at Hotel. —

1715 Begin manual map check. —

1900 START WRS off site. ——



9/26/7

0730 START, WRS on site. Morning mtg.
WEATHER.

WORKPLAN - Complete QC of database. —
- Transmit samples to lab / package + ice for shipment
- Stage Emergency spill kits
- hold mtg w/ fire officials to discuss emergency procedures during site shutdown. —

Drums to Find: 90, 377, 438
466, 529

Doubled #s: 197, 411

- 90 was used to put 411 into. 090 was then re#ed. Scratched out 411 + renumbered 090. 090 in green

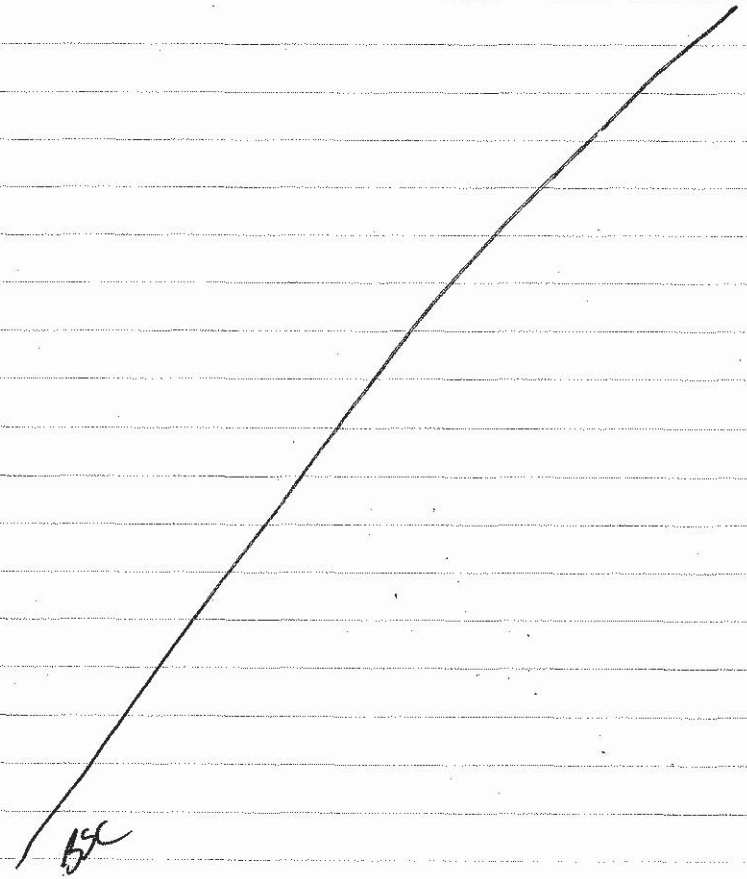
1130 Have checked off INV. vs map vs. actual. Still w/ outlyers, but possible explanations are that some drums currently missing were moved into empty drums because the original was damaged. Still can't find the original drums. Lunch. —

1215. Packing up at CEI. Drum overpacks

9/26/7

1215 (cont) delivery is delayed and will not be here until late tonight. Current plan is to collect samples at CEI and break down the site until they arrive. —

- OSC Jardine performing last qc of drums. —



12/4/07 Circle Environmental #1 B. Croft

0700 START onsite
- meet w/ WRS survey & OSC Webster
- give list of drums sampled (composite) to WRS Survey
  - they will begin pulling these drums for SESD sampling

0800 START setting up RAT system
- oxygen & CO readings elevated outside
  O_2 - up to 23.24%
  CO - 2-3 ppm

0855 RAT created - recalibrated multi-RAE & restarted RAT
O_2 still elevated outside - up to 22 ppm
note: WRS received 75 overpacks - staged on concrete outside

0920 START & WRS locating/marking drums sampled previously to aid SESD sampling event

1010 WRS setting up to de-head MT drums
- CID/SESD to be onsite tomorrow for their sampling

1100 WRS continues de-heading drums
RAT system re-started - O_2 (23.7%), CO (1-2 ppm) & VOCs (0-2 ppm) are reading high outside immediately following calibration

1200 LUNCH

1300 WRS continues de-heading & crushing MT drums

BSC 12-4-07

12/4/07 Circle Environmental #1 B Croft

1430 OSC Webster received list of drums to be sampled by CID/SESD

paint: 1-247, 1-253, 1-307
flammy: 1-289, 1-290

rags: 1-143, 1-227, 1-490, 1-533
PERC (orange): 1-135, 1-185, 1-191, 1-222
PERC (blue): 1-501

- WRS continues de-heading & crushing MT drums

1515 closing down ops for day

1530 START offsite

BSC 12-4-07

12/5/07 Circle Environmental #1 B. Croft

0700 START onsite
safety mtg - hard hats, steel toes, heavy equip., swing radius
0735 WRS begins moving stacked pallets to gain access to 4 rog drums for CID/SESD reps
0830 WRS suiting up in Level C to remove overpack lids from drums to be sampled by CID/SESD
-also opening CE2 drums to verify contents
1015 WRS continues opening drums
START checking inventory for discrepancies
1100 drum Z-003 (from CE2) was found to contain misc. aerosol cans - likely from the rollaff boxes originally containing rags/debris @ CE2 location - WRS to put together & profile for disposal as separate waste stream
note: WRS spray painting CE2 drums to mark contents - caused high VOC readings on RAT/multiRAE
1200 LUNCH
1245 CID/SESD reps onsite - began setting up for their sampling event
1330 CID/SESD requested that drums to be sampled be removed from overpacks for photos & label documentation. WRS using forklift & drum sling to restage

BSC 12-5-07

12/5/07 Circle Environmental #1 B Croft

1435 CID/SESD begins sampling drums
1610 CID/SESD completes drum sampling
-did not sample 1-191 because ring bolt eyes not accessible inside overpack
WRS closing up drums & cleaning up IDW
1700 START offsite

BSC 12-5-07

12/6/07 Circle Environmental #1 B Croft

0700 START onsite
safety mtg: pinch pts, heavy equip., drum de-header
0720 WRS continues de-heading/crushing drums
- prepping for shipments starting tomorrow
0930 WRS continues to de-head & crush MT drums
CID reps (2) & former operator onsite
1200 LUNCH
1240 WRS restaging remaining MT drums to make room for rag drums shipment/staging area
1330 WRS restaging rag drums for shipment - START verifying numbers & identifying discrepancies
1500 drum staging ops continue
1530 WRS continues staging ops - working on pad/boom drums
1750 START offsite

BSC 12-6-07

12/7/07 Circle Environmental #1 B. Croft

0700 START onsite
safety mtg - load out rag drum shipments; heavy equip.; tyvek/glasses/hardhat when moving drums
0720 WRS preparing for drum shipment
- overpack any green pad drums
- move drums from last night to clear access to staged rag drums
0900 1st truck onsite - WRS begins loading up rag drums
trucking co.: Robbie D. Wood
Odenville, AL
USDOT 1305014
A-800743
ICC 142383
USDOT 1305014
VIN#: X1824552
1045 1st truck loaded - manifest/shipping papers being signed
1100 1st truck offsite
WRS staging drums for next load
disposal facility info.:
Vexor Technology, Inc (330) (3003) 721-9773
955 West Smith Road
Medina, OH 44256
1300 2nd truck onsite
also Robbie D. Wood

BSC 12-7-07

48

12/7/07 Circle Environmental #1 B Croft

~~fswinley@WRSIE.COM~~ BSC

2nd truck information:

Robbie D. Wood - Belleville, AL

WSDOT 130504

MO PSC T 49761

TENN HF 45231

LA 35611

KY 77661

ICC 142393

A-800743

1435 2nd truck loaded & offsite - LRS staging remaining drums - overpacking as necessary

START verifying drum numbers

1715 START offsite

BSC 12-7-07

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CONTENTS

PAGE	REFERENCE	DATE
	hsc	12-6-07

12/8/07 Circle Environmental #1 B Croft

0700 START onsite
safety mtg: pinch points, heavy equipment - watch backing up & stay clear
0725 WRS resumes restacking drums - working primarily w/ green/pad drums
START checking drum numbers against inventory
1300 START offsite

BSC 12.8.07

12/10/07 Circle Environmental #1 B Croft

0700 START onsite
safety mtg - load out truck; watch heavy equip
0720 WRS labeling drums in prep for future shipments
0905 3rd truck onsite for shipping
Robbie D. Wood - trucking company - VIN 7J171114
note: OSC Rick Jordve onsite to replace OSC Wofahrter
1130 3rd truck loaded (60 drums total - PPE/C-new) - reviewing/signing manifest w/ driver
4th truck onsite
Robbie D. Wood
note: RAT running during load out w/ Multi PAE
- CO ~ 2-3 ppm due mainly to forklift running on gasoline while awaiting new tank or propane
- O_2 also reading 24-25% - sensor is bad
1145 LUNCH
1215 WRS loading 4th truck (Perc[low], absorbents, pads) (flammlig., grease, paint)
1445 4th truck loaded (60 drums total)
- reviewing/signing manifests
1510 4th truck offsite
WRS wrapping up for day - re-installing fence, etc.
1545 START offsite

BSC 12-10-07

12/11/07 Circle Environmental #1 B. Croft

0700 START onsite

safety mtg: pinch points w/ drums; heavy equipment; don't get complacent

0830 5th truck onsite

Robbie D. Wood - trucking company VIN - 4J0X63963

1045 5th truck loaded (70 total drums)

reviewing/signing manifest

115 - 5th truck offsite

1130 LUNCH

1215 WRS moving pallets & debris to consolidate also staging remaining drums to be overpacked - additional overpacks due onsite today

1320 overpacks on site - being offloaded & staged

1400 WRS begins overpacking additional drums

1515 overpacking complete

WRS wrapping up for day

BSC 12-11-07

12/12/07 Circle Environmental #1 R Croft

0700 START onsite

USCG (2) also onsite w/ vehicle

0720 WRS moving drums to clear area to be cleaned w/ forklift - drums will then be restaged to make room for rolloff container due later today

note: NO shipments for the rest of this week - WRS to find out today if remaining drums will be shipped Monday

0900 WRS begins sweeping floor in SW portion of building - using a water sprayer to keep dust levels down

1020 WRS restaging drums from E end to SW portion of building

1130 WRS continues restaging drums

note: USCG reps onsite to replace OSC Jardine who departed earlier this morning

1200 LUNCH

1230 WRS pulling 2 drums from CEZ to be overpacked

- labeling drums w/ Haz Waste, DOT-9, & approval numbers
- cutting up pallets for placing in rolloff container

1510 WRS continues cutting pallets in prep for rolloff

1600 EOD - START offsite

BSC 12-12-07

12/13/07 Circle Environmental #1 B Croft

0700 START onsite
safety mtg: power tools · watch kickback; don't get between stacked pallets
0715 WRS resumes cutting up pallets
1020 WRS sweeping E end of building - still awaiting delivery of roll-off container
note: drum shipments have been scheduled for Monday (8am) & Tuesday (8am)
1100 roll-off container arrives onsite
WRS loading roll-off w/ cut up pallets & crushed drums
1200 LUNCH
1245 WRS continues cutting up pallets, de-heading & crushing MT drums - packing into roll-off container
1645 START offsite

BSC 12-13-07

12/14/07 Circle Environmental #1 B. Croft

0700 START onsite
safety mtg: watch nails in wood; heavy equip.
0730 WRS continues cleaning up pallets & crushed drums
- overpacking 3 more drums
- crushing last of MT drums
1015 WRS sweeping floor
- awaiting arrival of 2nd roll-off container
1200 Lunch
1230 WRS using backhoe to crush up last of pallets
1330 2nd roll-off container onsite - being offloaded
1520 START offsite
- 2nd roll-off is loaded & ready for disposal

BSC 12-14-07

12/17/07 Circle Environmental #1 B. Croft

0700 START onsite
- Safety mtg. - pinch points; heavy equipment
- awaiting arrival of truck

1110 6th truck onsite
Robbie D. Wood - VIN # : 7J171128

1300 6th truck loaded - reviewing signing manifests - awaiting arrival of OSC Hughes to sign manifest

1545 manifests signed - 6th truck offsite
-69 drums total

1530 START offsite

BSC 12-17-07

12/18/07 Circle Environmental #1 B. Croft

0700 START onsite
- expediting last truck onsite today
- 2 roll-offs to be picked up today

1045 7th truck onsite
Robbie D. Wood - VIN 5J069958

1130 7th truck loaded - reviewing/signing manifests

1200 7th truck offsite

1230 Advanced Disposal onsite to pick up the two roll-off containers (non-haz - trash/debris)

1300 two roll off containers offsite
- WRS packing up tools, etc.
- taking leftover bags of absorbent/pads to local fire department

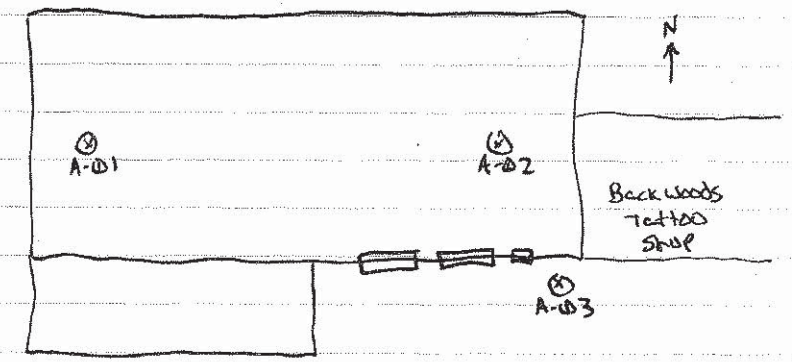
1430 START offsite
pick up air sampling equip @ Ecco Lodge (FedEx) for tomorrow's air sampling

BSC 12-18-07

12/19/07 Circle Environmental #1 B. Croft

0700 START onsite

setting up air sampling equipment



0801 samples are running

1 summa canister (VOCs) } each sample location
1 PUF / Gilian pump (SVOCs) }

- doors to building are closed

0955 Dawson FD reps on site to conduct least inspection of building before EPA leaves - trucks (diesel) running could/does/may affect air samples @ A-03 location

1015 Dawson FD reps offsite

1555 begin breaking down air sample locations & packaging samples

1745 START offsite

BSC 12-19-07

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CONTENTS

PAGE	REFERENCE	DATE
	BSC	9-11-07

9/11/7

1015 Arrive at 2222 Albany Hwy, Dawson, Harris Wrecking. About 200 mostly apparently empty drums + 3 rolloffs are strewn about the east side of the lot. OSC Webster is at the 2nd site in town. START's B. Crotts & C. Jones stay to cal air monitoring instruments.

1045 C. Berry returns from 165 W. 5th. OSC Webster wants initial air monitoring & documentation performed. Will make Level D entry & upgrade if necessary. WEATHER - HOT! About 86° 60% chance pm T-storms. N 31.75199 W 84.42380

- Air monitoring w/ MultiRAE w/ PID and radium. Background rad is ~~42 cpm~~ 60 cpm

1100 noticeable solvent odor when inside zone.

9/11/7

1100 (cont) Many drums ~~half of~~ with several inches of water
- PID inside a drum full of rags = 19.3 ppm.
- Only 5–10 drums have any rags in them.
- No elevated rad readings
- The 3 rolloffs are ½ full. PID readings jump to 53.2 ppm.
- PERC PID .51 Response factors
  DCE .82
  TCE .54

1115 START offsite for Lunch.

1145 Return to site. WALB News crew on site. Call OSC Webster

1155 News crew pulled off site. OSC Webster arrives.

1330 START, OSC, WRS begin staging empty drums on pestic - each berry numbered, photographed, and inventoried for available label information. ——— BSC
- drums containing minor amounts of obvious rainwater are being consolidated, then staged as empty ——— BSC

BSC 9-11-07

Circle Environmental 2
9-11-07 (2222 Albany Rd)

1700 START, OSC, WRS have staged & inventoried 141 drums on plastic - no more plastic until WRS personal show up ——— BSC

- START downloading photographs, creating Excel spreadsheet to track drum information, and drafting sampling plan requested by OSC

1800 START offsite ———

9-11-07

BSC

Circle Environmental 2
9/12/7 (2222 Albany Rd)

0700 START, WRS on site

WEATHER - T'storms 70%, currently foggy & humid, 75°

0704 Safety meeting w/ START, WRS, and EPA OSC.

0706 Frank Garcia w/ CID (Criminal Investigation Division)

0717 WRS crew starts clean up.

0734 WRS lines drums up to be numbered and photo-ed, B. Croft and C. Jones begin this process.

0930 a total of 364 drums have been staged, numbered, photographed, & inventoried — BSC

WRS is covering drums w/ plastic to keep out rain ——— BSC

1025 WRS continues to secure drum staging area - installing high-visibility fencing around area - waiting for a bigger piece of heavy equipment so they can begin crushing empty drums

- plan is to empty rags from drums and the rolloff boxes currently onsite into a new rolloff box that will be shipped for incineration
- empty drums will be crushed and disposed
- START will collect soil samples from staging area after activities are complete — BSC

BSC 9-12-07

Circle Environmental 2

9-12-07 (2222 Albany Rd)

1030 START continues to enter drum inventory information into spreadsheet for tracking — BSC

1130 fence has been installed & area secured.

LUNCH - work will resume after lunch @ Circle Envir. 1 (1705th Ave) location — BSC

1740 WRS crew leaves Circle Envir. 1 to go to Circle Envir 2. Crew will place Visqueen (plastic) over the roll offs. — CJ

Circle Environmental 2

9-13-07 (2222 Albany rd)

0718 START and WRS onsite

Weather: Partly cloudy, Chance of rain, high of 90°F

- WRS will attempt to crush drums w/ a back loader.

0800 Start crushing drums. Backhoe operator had problems lowering stablizers.

0805 Take photos (3)

0808 Take movie shot.

0830 Take photo (1)

0950 First section complete, Take photos (2).

1000 Property owner of 2222 Albany rd (John) inquired about what was going to happen to the drums. START C. Jones told John that he was not sure. John ask C. Jones to inform the EPA OSC that he would like to talk to him when he gets a chance.

1110 Roll offs arrive on site Take photo (1)

BSC

Circle Environmental 2

9/13/07 (2222 Albany rd)

1120 Off site for lunch

1200 Back on site

1210 WRS crew offsite for lunch

1220 START offsite to Circle Environmental 1.

1310 WRS back on site Carl, backhoe operator, is needed @ Circle Environmental 2. Work is stopped.

1405 START and WRS back on site.

1540 About 50 Drums remain, WRS places plastic liner in roll off to ~~text~~ crushed drums. Take photo (2)

1550 Rain begins to fall, Drums and crush drums have been covered.

1555 Rain stops.

1610 Start loading crushed drums in roll off.

1720 First roll off full, pack up for day.

1730 START and WRS off site.

Circle Environmental 2

9/14/07 (2222 Albany rd)

0700 WRS on site, START crew is working @ Circle Env 2 for the day. —CJ

- R. Sweeney informs START that one of the WRS employees got bit by a spider and had to go to the hospital. —CJ

After this incident, WRS continues to crush drums and load them into the roll off. —CJ

1650 START C. Jones @ site —CJ

to take photos. —CJ

1705 START offsite —CJ

Circle Environmental
(2222 Albany rd)

9/15/07

0705 WRS on site. 1 third roll off will be arriving today. The remaining crushed drums will be placed in roll off ——— CJ

0800 START C. Jones on site, Weather: Mostly sunny, high of 88°F
- Roll off has arrived, WRS loading crushed drums.

0900 All drums (crush) have been loaded in the roll offs.

1020 20 Drums remain on site, 16 w/ tags, 4 w/ consolidated rain water. START off site

CJ

9/19/07 Circle Environmental 2, 2222 Albany Rd.

1630 – START & WRS arrive on-site to Address sampling that will occur on 9/20 or 9/21

1645 - START/WRS leaves site and goes back to Circle Env. 1 site

9/19/2007 M. Spangler

9/20/07 Circle Environmental 2, 2222 Albany St Denver

1005 - START Springer talks to START ~~Berry~~ (AB) Schendel regarding sampling protocol, QA/QC, weather concerns, laboratory considerations; START Schendel cannot discuss parameters unless more info. is known.

1155 - START Springer talks to START Berry to discuss sampling protocol/strategy and relays this info to him regarding proposed soil samples at this site; START Berry advises START Springer to wait for further information

1441 - OSC insists that START begins soil sampling at this site tomorrow at 0700. START Springer tells OSC this can't happen until protocol/strategy cleared by START QA/QC. OSC to call START Berry to discuss.

BSC

9/27/06

1030 START arrives on site & meets OSC Jardine to collect 4 soil samples from area where drums were strewn & then staged. Preparing for sampling.

WEATHER. Hot & Humid. Highs in mid-90s. Currently 87 & sunny.

WORKPLAN -

1) collect 4 soil samples for
- metals
- semi vols
- ~~PCBs~~ Cut by OSC Jardine
- volatiles

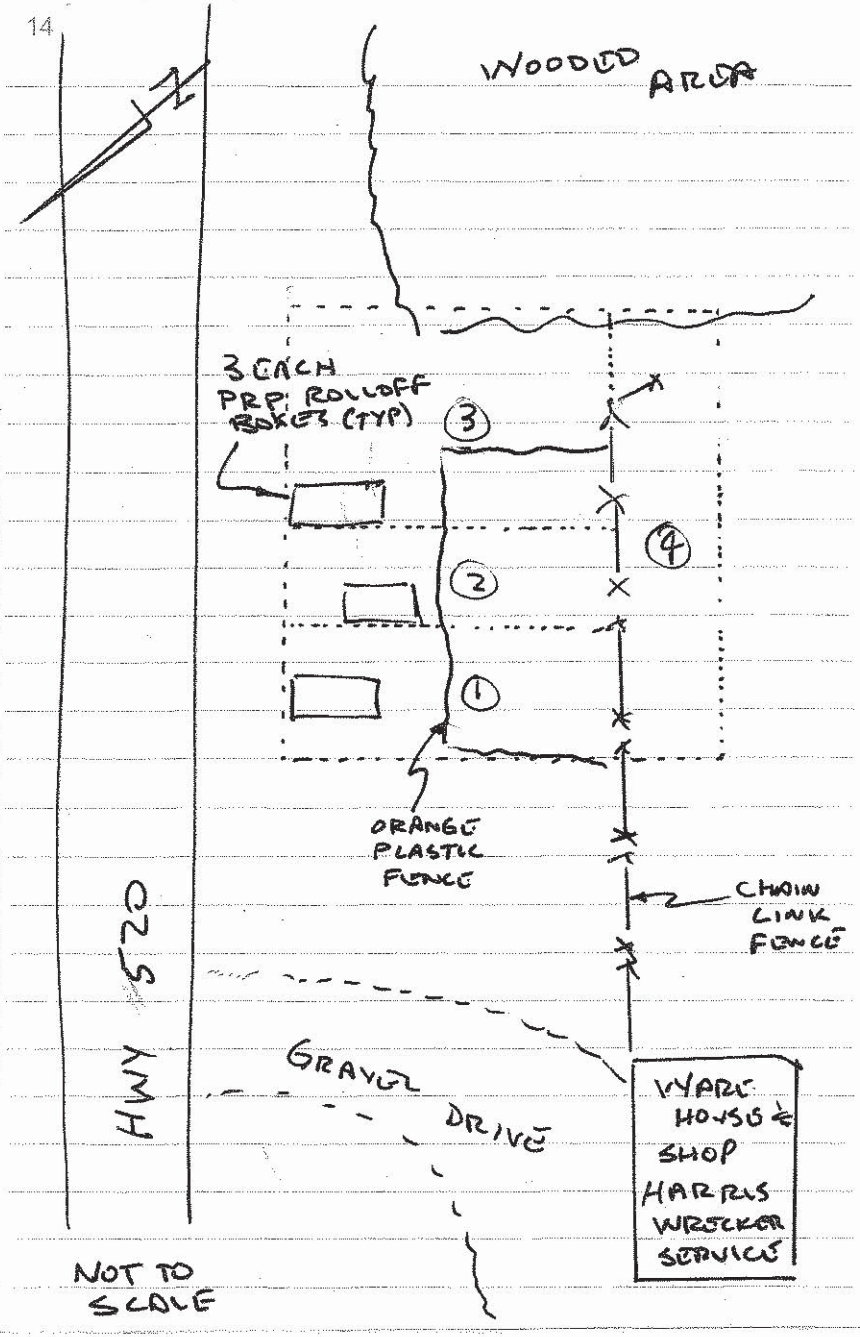
2) collect 1 duplicate sample for identical analysis.

3) Collect 1 2x volume for MS/MSD

4) Send one trip blank.

5) Use Trimble to collect area data of grids & aliquot locations.

BSC



27 SEP 07

AS DISCUSSED ON PREVIOUS PAGES, START AND EPA INTEND TO COLLECT SOIL SAMPLES IN A NON-BIASED STRATEGY. THE SAMPLES WILL BE USED TO DETERMINE WHETHER THE WASTE DRUMS AND ROLL OFF BOXES FOUND AT THE CIRCLE ~~ENVIRONMENTAL~~ #2 SITE RELEASED CONTAMINANTS TO THE SOIL AT CONCENTRATIONS SUGGESTING A REMOVAL ACTION RELATED TO THE SOIL. PAGE 14 OF THIS LOG BOOK DEPICTS AN OVERALL SKETCH OF THE SITE. SAMPLES ARE BEING COLLECTED BY START IN A 5-POINT COMPOSITE FASHION FOR EACH OF THE FOUR SAMPLE AREAS. ONE ALIQUOT IS BIASED, WHERE APPLICABLE, TO INCLUDE RUNOFF/LEAKAGE FROM PRP ROLLOFF BOXES I.E. TO CATCH RESIDUE GENERATED FROM ROLLOFFS THAT WERE FULL OF WASTE SHOP RAGS.

7

BSC

APPENDIX B

PHOTOGRAPHIC LOG
(26 pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northwest	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Front (south side) of the brick building at Circle Environmental site 1 location. The building is situated at 170 5th Avenue SW in Dawson, Terrell County, Georgia and is adjacent to a tattoo parlor.

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	West	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Drums staged in the western portion of the building prior to the initiation of response activities. Drums stacked four levels high are visible in the upper left portion of the photograph.

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northeast	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	Drums staged in the eastern portion of the building prior to the initiation of response activities.		

OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	East	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	Drums staged in the eastern portion of the building prior to the initiation of response activities.		

OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northwest	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Emergency and Rapid Response Services (ERRS) contractor personnel from WRS, Inc. (WRS) preparing for sampling activities by staging drums in rows to allow easier access for sampling teams. Empty drums are staged along the back wall on their sides.

OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	West	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	WRS personnel using extendable forklift to unstack four levels of palletized drums from the western portion of the building.		

OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Not applicable	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Example of a hazardous waste label observed on numerous drums at the site. The label identifies the material as containing tetrachloroethylene.

OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Not applicable	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Example of a hazardous waste label observed on numerous drums at the site. The label identifies the material as containing tetrachloroethylene.

OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Not applicable	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Example of a waste generator label observed on numerous drums at the site. The label identifies Circle Environmental as the waste generator. These drums were prepared by Circle Environmental for disposal at Giant Resource Recovery, which is the disposal facility used by Circle Environmental.

OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northwest	**Date:**	September 13, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Tetra Tech personnel collecting drum samples and recording information regarding drum contents while suited in level B personal protective equipment.

OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Southwest	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Roll-off containers and drums discovered at Circle Environmental Site 2 at 2222 Albany Road in Dawson, Terrell County, Georgia.

OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	East	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Roll-off containers and drums discovered at Circle Environmental Site 2 at 2222 Albany Road in Dawson, Terrell County, Georgia.

OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Southwest	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Drums discovered at Circle Environmental Site 2 at 2222 Albany Road in Dawson, Terrell County, Georgia.

OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Southwest	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Drums discovered at Circle Environmental Site 2 at 2222 Albany Road in Dawson, Terrell County, Georgia.

OFFICIAL PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	South	**Date:**	September 12, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

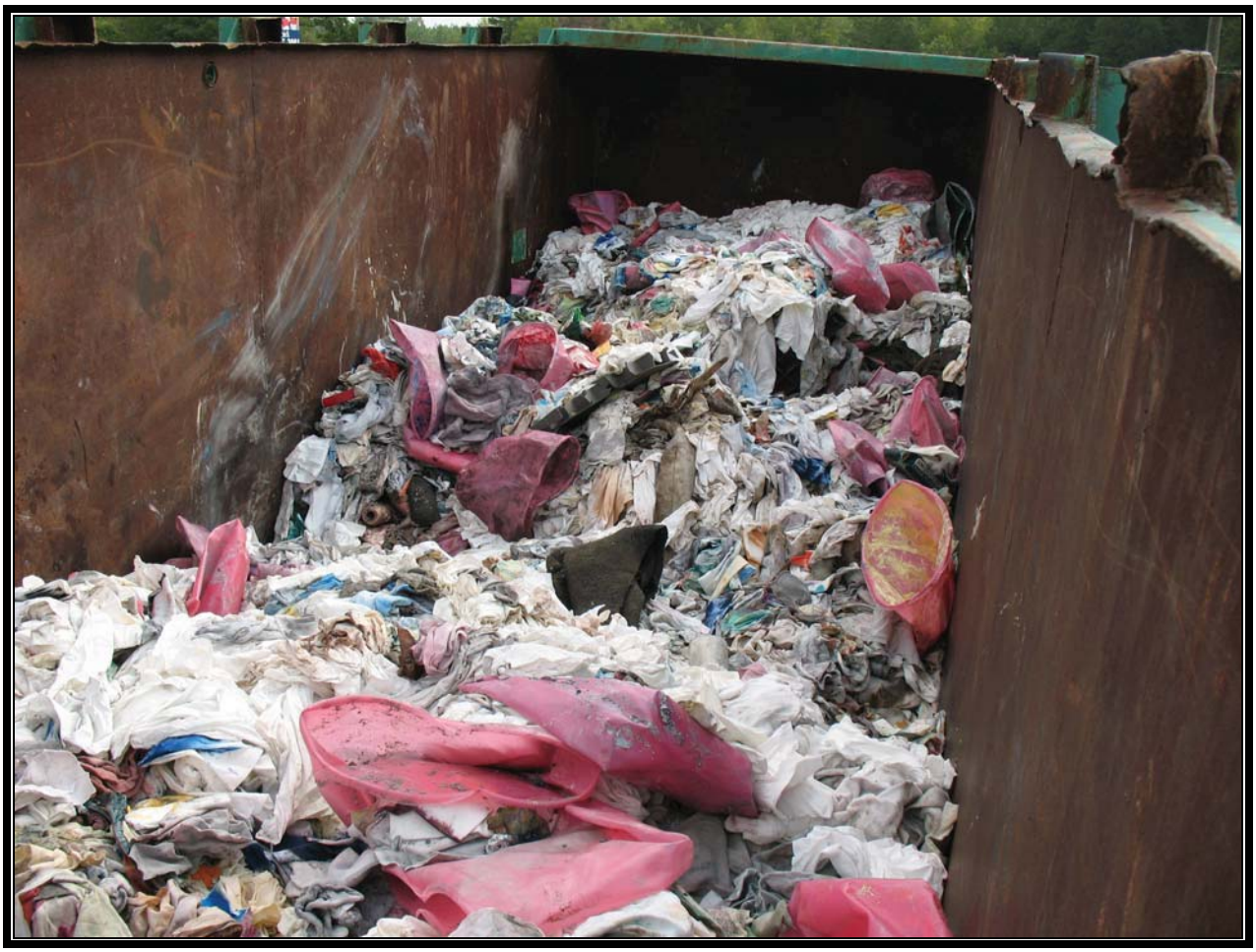
Subject: WRS personnel staging drums at Circle Environmental Site 2 to facilitate inventorying and photographing. The majority of drums at this location were empty and therefore were covered with plastic to prevent rain from accumulating inside.

OFFICIAL PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Not applicable	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	Drum containing rags at the Circle Environmental Site 2 location.		

OFFICIAL PHOTOGRAPH NO. 17
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	West	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	Contaminated rags stored inside the red roll-off container at Circle Environmental Site 2.		



OFFICIAL PHOTOGRAPH NO. 18
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	East	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech
Subject:	Contaminated rags stored inside the green roll-off container at Circle Environmental Site 2.		

OFFICIAL PHOTOGRAPH NO. 19
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Not applicable	**Date:**	September 11, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: Example of a label observed on numerous drums at Circle Environmental Site 2.

OFFICIAL PHOTOGRAPH NO. 20
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0048	**Location:**	Circle Environmental Site 2
Orientation:	Northwest	**Date:**	September 13, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Chuck Berry, Tetra Tech

Subject: WRS personnel using a backhoe to crush empty drums at Circle Environmental Site 2. Crushed drums were placed into a roll-off container lined with plastic for future transportation and disposal as non-hazardous waste.

OFFICIAL PHOTOGRAPH NO. 21
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	East	**Date:**	December 7, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	James Webster, EPA

Subject: WRS personnel using a forklift to load drums into the trailer for transportation to the disposal facility.

OFFICIAL PHOTOGRAPH NO. 22
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	West	**Date:**	December 10, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Drums staged by wastestream group in preparation for transportation and disposal. The Rapid Assessment Tool (RAT) is shown operating in the baby cart in the foreground.

OFFICIAL PHOTOGRAPH NO. 23
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northeast	**Date:**	December 18, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Rodney Swiney, WRS

Subject: Twenty cubic yard roll-off container loaded with non-hazardous debris, including crushed empty drums, pallets, and used personal protective equipment in preparation for transportation and disposal.

OFFICIAL PHOTOGRAPH NO. 24
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	West	**Date:**	December 19, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Rodney Swiney, WRS

Subject: West end of the building interior following completion of response activities. Air sampling location A-01 is visible in the background.

OFFICIAL PHOTOGRAPH NO. 25
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	East	**Date:**	December 19, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Rodney Swiney, WRS

Subject: East end of the building interior following completion of response activities. Air sampling location A-02 is visible in the background.

OFFICIAL PHOTOGRAPH NO. 26
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0047	**Location:**	Circle Environmental Site 1
Orientation:	Northwest	**Date:**	December 19, 2007
Photographer:	Brian Croft, Tetra Tech	**Witness:**	Rodney Swiney, WRS

Subject: Air sampling location A-03 located outside the southeast corner of the building.

APPENDIX C

DRUM INVENTORY
(Electronic copy on compact disc)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-001	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-002	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Circle Environmental	Russellville, KY	N/A	N/A
1-003	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid & Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-004	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-005	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-006	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid & Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-007	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-008	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-009	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-010	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid & Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-011	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-012	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-013	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-014	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-015	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	Circle Environmental	Russellville, KY
1-016	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-017	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-018	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid & Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-019	Steel	55 Gal	Empty	0	0	N/A	Flammable Solic	Dura Coat Products	Huntsville, AL	N/A	N/A
1-020	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-021	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-022	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-023	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Circle Environmental	Russellville, KY	N/A	N/A
1-024	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Circle Environmental	Russellville, KY	N/A	N/A
1-025	Steel	55 Gal	Empty	0	0	N/A	Dangerious Goods/Hazardous Goods	Venture Industries	Hopkinsville, KY	N/A	N/A
1-026	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-027	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-028	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-029	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-030	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-031	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-032	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-033	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-034	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-035	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-036	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid & Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-037	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-038	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-039	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-040	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-041	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	Circle Environmental	Russellville, KY	N/A	N/A
1-042	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-043	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-044	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-045	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-046	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-047	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-048	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-049	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-050	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-051	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-052	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-053	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-054	Steel	55 Gal	Empty	0	0	N/A	Non Regulated Waste	Dana Corporation	Hopkinsville, KY	N/A	N/A
1-055	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-056	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-057	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-058	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-059	Steel	55 Gal	Empty	0	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-060	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-061	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-062	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0463			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0464			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0465			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0466			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0467	0468		Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0469			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0470			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0471			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0472			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0473			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0474			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0475			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0476			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0477			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0478			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0479			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0480			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0481			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0482			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0483			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0484			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0485			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0486			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0487			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0488			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0489			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0490			Overpacked	Sampled	Trash	12/18/2007
N/A	N/A	N/A	N/A	0491			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0493			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0494			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0495			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0496			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0497			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0498			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0499			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0500			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0501			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0502			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0503			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0504			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0505			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0506			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0507			Rag Sample Drum		Rags	12/7/2007
N/A	N/A	N/A	N/A	0508			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0509			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0510			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0511			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0512			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0513			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0514			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0515			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0516					Rags	12/7/2007
N/A	N/A	N/A	N/A	0517			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0526			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0527			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0528			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0529			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0530			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0531			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0532			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0533			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0534			Crushed		Empty	12/18/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
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Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107208)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
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Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
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Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
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Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-063	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-064	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-065	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-066	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-067	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-068	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-069	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-070	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-071	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-072	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-073	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-074	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-075	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-076	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-077	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-078	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-079	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-080	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-081	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-082	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-083	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-084	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-085	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-086	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-087	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-088	Steel	55 Gal	Empty	0	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-089	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-090	Steel	55 Gal	Solid	100	0	N/A	Non Regulated Waste	Delphi Packard Electric Systems	Brookhaven, MS	N/A	N/A
1-091	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-092	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-093	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-094	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-095	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-096	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-097	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-098	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-099	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-100	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-101	Steel	55 Gal	Empty	0	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-102	Steel	55 Gal	Liquid	100	1	Sinker	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-103	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-104	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-105	Steel	55 Gal	Liquid	100	2	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-106	Steel	55 Gal	Liquid	100	1	Sinker	Non Regulated Waste	N/A	N/A	N/A	N/A
1-107	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-108	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-109	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-110	Steel	55 Gal	Liquid	100	1	Sinker	None	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-111	Steel	55 Gal	Liquid	100	3	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-112	Steel	55 Gal	Liquid	100	6	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-113	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-114	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-115	Steel	55 Gal	Liquid	100	1	Sinker	None	N/A	N/A	N/A	N/A
1-116	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-117	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-118	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-119	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-120	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-121	Steel	55 Gal	Liquid	100	1	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-122	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-123	Steel	55 Gal	Liquid	100	6	Floater	None	N/A	N/A	N/A	N/A
1-124	Steel	55 Gal	Liquid	100	30	Floater	None	N/A	N/A	N/A	N/A

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0535			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0536			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0537			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0538			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0539			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0540			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0541			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0542			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0543			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0544			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0545			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0546			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0547			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0548			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0549			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0550			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0551			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0552			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0561			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0553			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0554			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0555			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0556			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0557			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0558			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0559			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0560			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0562			Overpacked; contents transferred from 1-411	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0563			Overpacked	Sampled	Trash	12/18/2007
N/A	N/A	N/A	N/A	0564			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0565			Overpacked	Sampled	Trash	12/18/2007
N/A	N/A	N/A	N/A	0566			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0567			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0568			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0569					Rags	12/7/2007
N/A	N/A	N/A	N/A	0570			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0571			Overpacked	Sampled	Trash	12/18/2007
N/A	N/A	N/A	N/A	0572			Overpacked; glassware from CID/SESD sampling	Sampled	Trash	12/18/2007
N/A	N/A	N/A	N/A	0573			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0578			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0579					Rags	12/7/2007
N/A	N/A	N/A	N/A	0580			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0581	0582		Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0583			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0584			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0585			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0586			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0587			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0588			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0589			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0590			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0591			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0592			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0593			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0594			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0595			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0596			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0597			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0598			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0599			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0600			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0601			Overpacked		Perc (high)	12/10/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
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Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107208)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107208)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107208)	Rineco (Benton, AR)
Hazardous Waste (002107208)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-125	Steel	55 Gal	Liquid	100	2	Sinker	Tetrachloroethylene	Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A
1-126	Steel	55 Gal	Liquid	100	3	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-127	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-128	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-129	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-130	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-131	Steel	55 Gal	Liquid	5	2	Sinker	None	N/A	N/A	N/A	N/A
1-132	Steel	55 Gal	Solid	75	0	N/A	Non Regulated Waste	Delphi Packard Electric Systems	Brookhaven, MS	N/A	N/A
1-133	Steel	55 Gal	Liquid	100	3	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-134	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-135	Steel	55 Gal	Liquid	100	2	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-136	Steel	55 Gal	Liquid	75	3	Sinker	None	N/A	N/A	N/A	N/A
1-137	Steel	55 Gal	Liquid	100	0	Sinker	Tetrachloroethylene	Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A
1-138	Steel	55 Gal	Liquid	100	1	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	Sumter, SC
1-139	Steel	55 Gal	Liquid	100	10	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	Sumter, SC
1-140	Steel	55 Gal	Liquid	5	4	Sinker	None	N/A	N/A	N/A	N/A
1-141	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-142	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-143	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	Circle Environmental	Dawson, GA	N/A	N/A
1-144	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-145	Steel	55 Gal	Solid	75	0	N/A	Flammable Solid	Circle Environmental	Dawson, GA	N/A	N/A
1-146	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-147	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-148	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-149	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-150	Steel	55 Gal	Liquid	100	3	Floater	None	N/A	N/A	N/A	N/A
1-151	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-152	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-153	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-154	Steel	55 Gal	Liquid	100	3	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-155	Steel	55 Gal	Liquid	100	6	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-156	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-157	Steel	55 Gal	Liquid	100	6	Sinker	None	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-158	Steel	55 Gal	Liquid	100	12	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-159	Steel	55 Gal	Liquid	5	4	Floater	Hazardous Waste - Tetrachloroethylene	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-160	Steel	55 Gal	Liquid	50	12	Sinker	None	N/A	N/A	N/A	N/A
1-161	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-162	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-163	Steel	55 Gal	Empty	0	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-164	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-165	Steel	55 Gal	Liquid	100	4	Floater	None	N/A	N/A	N/A	N/A
1-166	Steel	55 Gal	Liquid	100	1	Sinker	Non Regulated Waste	N/A	N/A	N/A	N/A
1-167	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-168	Steel	55 Gal	Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-169	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-170	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-171	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-172	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-173	Steel	55 Gal	Liquid	100	1	Floater	None	N/A	N/A	N/A	N/A
1-174	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-175	Steel	55 Gal	Liquid	100	1	Sinker	None	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-176	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-177	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-178	Steel	55 Gal	Solid	100	1	N/A	Non-Hazardous Waste	Dana Corporation	Hopkinsville, KY	N/A	N/A
1-179	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-180	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-181	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-182	Steel	55 Gal	Liquid	100	0	Sinker	Tetrachloroethylene	Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A
1-183	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-184	Steel	55 Gal	Liquid	100	1	Sinker	None	N/A	N/A	N/A	N/A
1-185	Steel	55 Gal	Liquid	75	1	Sinker	None	N/A	N/A	N/A	N/A
1-186	Steel	55 Gal	Liquid	100	6	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0602			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0603			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0604					Rags	12/7/2007
N/A	N/A	N/A	N/A	0605					Rags	12/7/2007
N/A	N/A	N/A	N/A	0606			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0607			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0608			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0697					Rags	12/7/2007
N/A	N/A	N/A	N/A	0698			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0699			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0700			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0701			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0702			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0703			Overpacked	Sampled	Perc (low)	12/10/2007
Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A	0704			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0609			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0610					Rags	12/7/2007
N/A	N/A	N/A	N/A	0611					Rags	12/7/2007
N/A	N/A	N/A	N/A	0612				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0613					Rags	12/7/2007
N/A	N/A	N/A	N/A	0614					Rags	12/7/2007
N/A	N/A	N/A	N/A	0615					Rags	12/7/2007
N/A	N/A	N/A	N/A	0616					Rags	12/7/2007
N/A	N/A	N/A	N/A	0617					Rags	12/7/2007
N/A	N/A	N/A	N/A	0618					Rags	12/7/2007
N/A	N/A	N/A	N/A	0619			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0620			Overpacked	Sampled	Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0621					Rags	12/7/2007
N/A	N/A	N/A	N/A	0622				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0623			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0624			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0625			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0626			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0627			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0628			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0630			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0631					Rags	12/7/2007
N/A	N/A	N/A	N/A	0632				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0634			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0635					Rags	12/7/2007
N/A	N/A	N/A	N/A	0636			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0637			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0638			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0639					Rags	12/7/2007
N/A	N/A	N/A	N/A	0640				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0641			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0642	0644		Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0645	0646		Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0647			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0648			Overpacked	Sampled	Perc (low)	12/10/2007
Valspar	Indianapolis, IN	Eagle Industries	Bowling Green, KY	0649			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0650			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0651			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0652			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0653			Overpacked	Sampled	Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0654			Overpacked		Perc (high)	12/10/2007
Valspar	Indianapolis, IN	Eagle Industries	Bowling Green, KY	0655			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0656			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0657			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0658			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0659			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0660			Overpacked		Perc (high)	12/10/2007

Waste Manifest Number	Disposal Facility
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
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Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-187	Steel	55 Gal	Liquid	100	3	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-188	Steel	55 Gal	Liquid	100	2	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-189	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-190	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-191	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-192	Steel	55 Gal	Liquid	100	1	Sinker	None	N/A	N/A	N/A	N/A
1-193	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-194	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Valspar	Indianapolis, IN
1-195	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	N/A
1-196	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	Dana Corporation	Hopkinsville, KY	N/A	N/A
1-197	Steel	55 Gal	Empty	0	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-198	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-199	Steel	55 Gal	Liquid	100	2	Sinker	None	N/A	N/A	N/A	N/A
1-200	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-201	Steel	55 Gal	Solid	100	0	N/A	Urethane Adhesive	Dow Chemical Company	Hillsdale, MI	GM Bowling Green	Bowling Green, KY
1-202	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-203	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-204	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-205	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-206	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-207	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-208	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-209	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	Alcan Composites USA	Benton, KY	N/A	N/A
1-210	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-211	Steel	55 Gal	Liquid	100	10	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Parts Cleaning Technologies	Southfield, MI
1-212	Steel	55 Gal	Liquid	100	0	N/A	Non-Hazardous Waste	Chevrolet-Pontiac-Canada Group	Bowling Green, KY	N/A	N/A
1-213	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-214	Steel	55 Gal	Liquid	100	10	Sinker	Tetrachloroethylene	Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A
1-215	Steel	55 Gal	Liquid	100	3	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	Sumter, SC
1-216	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-217	Steel	55 Gal	Solid	75	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-218	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-219	Steel	55 Gal	Liquid	100	1	Sinker	None	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-220	Steel	55 Gal	Liquid	100	6	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-221	Steel	55 Gal	Liquid	100	1	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Giant Resource Recovery	Sumter, SC
1-222	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-223	Steel	55 Gal	Liquid	100	0	Floater	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-224	Steel	55 Gal	Liquid	100	1	Sinker	None	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-225	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-226	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-227	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	Circle Environmental	Columbia, SC
1-228	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-229	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-230	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-231	Steel	55 Gal	Liquid	100	0	Sinker	None	Parts Cleaning Technologies	Southfield, MI	N/A	N/A
1-232	Steel	55 Gal	Liquid	100	0	Sinker	None	N/A	N/A	N/A	N/A
1-233	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-234	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-235	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-236	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-237	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-238	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A
1-239	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Union Carbide Corporation	Danbury, CT
1-240	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-241	Steel	55 Gal	Liquid	75	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-242	Steel	55 Gal	Liquid	75	3	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Parts Cleaning Technologies	Southfield, MI
1-243	Steel	55 Gal	Liquid	100	0	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	Southeast Chemical Rail Terminal	Sumter, SC
1-244	Steel	55 Gal	Liquid	100	0	Miscible	Tetrachloroethylene	Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A
1-245	Steel	55 Gal	Liquid	100	3	Sinker	None	N/A	N/A	N/A	N/A
1-246	Steel	55 Gal	Liquid	100	6	Sinker	Hazardous Waste - Tetrachloroethylene	Circle Environmental	Dawson, GA	N/A	N/A
1-247	Steel	55 Gal	Liquid	75	0	N/A	Non-Hazardous Waste	Circle Environmental	Dawson, GA	Goody Products Inc	Manchester, GA
1-248	Steel	55 Gal	Liquid	75	0	N/A	None	Circle Environmental	Dawson, GA	N/A	N/A

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
Valspar	Indianapolis, IN	Delphi Packard Electric Systems	Brookhaven, MS	0661			Overpacked		Perc (high)	12/10/2007
Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A	0662			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0663			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0664			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0665			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0666			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0667			Overpacked		Perc (high)	12/10/2007
ACMOS Inc	Hanover, MD	N/A	N/A	0668			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0669			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0670				Sampled	Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0671			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0672			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0673			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0674					Rags	12/7/2007
N/A	N/A	N/A	N/A	0675			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0676					Rags	12/7/2007
N/A	N/A	N/A	N/A	0677					Rags	12/7/2007
N/A	N/A	N/A	N/A	0678					Rags	12/7/2007
N/A	N/A	N/A	N/A	0679					Rags	12/7/2007
N/A	N/A	N/A	N/A	0680				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0681					Rags	12/7/2007
N/A	N/A	N/A	N/A	0682				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0683					Rags	12/7/2007
N/A	N/A	N/A	N/A	0684			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0685	0686		Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0687			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0688					Rags	12/7/2007
N/A	N/A	N/A	N/A	0705			Overpacked		Perc (high)	12/10/2007
Southeast Chemical Rail Terminal	Sumter, SC	N/A	N/A	0706			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0707			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0708					Rags	12/7/2007
N/A	N/A	N/A	N/A	0709			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0710			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0711			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0712			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0713			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0714			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0715			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0716					Rags	12/7/2007
N/A	N/A	N/A	N/A	0717					Rags	12/7/2007
N/A	N/A	N/A	N/A	0718				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0719				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0720					Rags	12/7/2007
N/A	N/A	N/A	N/A	0721				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0722			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0723			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0724					Rags	12/7/2007
N/A	N/A	N/A	N/A	0725					Rags	12/7/2007
N/A	N/A	N/A	N/A	0726				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0727				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0728				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0729				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0730			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0731			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0732			Overpacked	Sampled	Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0733			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0734			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0735			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0736			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0737			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0738	0739	740	Overpacked	Sampled	Paint	12/10/2007
N/A	N/A	N/A	N/A	0741			Overpacked	Sampled	Paint	12/10/2007

Waste Manifest Number	Disposal Facility
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107201)	Rineco (Benton, AR)
Hazardous Waste (002107201)	Rineco (Benton, AR)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-249	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-250	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-251	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-252	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-253	Steel	55 Gal	Liquid	75	0	N/A	None	Circle Environmental	Dawson, GA	N/A	N/A
1-254	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-255	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-256	Steel	55 Gal	Solid	100	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-257	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-258	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-259	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-260	Steel	55 Gal	Solid	100	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-261	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-262	Steel	55 Gal	Liquid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-263	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-264	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-265	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-266	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-267	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-268	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-269	Steel	55 Gal	Solid	100	0	N/A	Absorbents	N/A	N/A	N/A	N/A
1-270	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-271	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-272	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-273	Steel	55 Gal	Solid	100	0	N/A	Ceres Fruit - Pear Juice Concentrate	N/A	N/A	N/A	N/A
1-274	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-275	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-276	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-277	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-278	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-279	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-280	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-281	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-282	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-283	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-284	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-285	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-286	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-287	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	N/A	N/A
1-288	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-289	Steel	55 Gal	Liquid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-290	Steel	55 Gal	Liquid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-291	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-292	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-293	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-294	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-295	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-296	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-297	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-298	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-299	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-300	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-301	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-302	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	EFTEC Automotive	Grand Rapids, MI	N/A	N/A
1-303	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-304	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-305	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-306	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-307	Steel	55 Gal	Liquid/Sludge	100	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-308	Steel	55 Gal	Liquid/Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-309	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-310	Steel	55 Gal	Empty	0	0	Sinker	None	N/A	N/A	N/A	N/A

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0742					Rags	12/7/2007
N/A	N/A	N/A	N/A	0743				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0744					Rags	12/7/2007
N/A	N/A	N/A	N/A	0745					Rags	12/7/2007
N/A	N/A	N/A	N/A	0746			Overpacked	Sampled	Paint	12/10/2007
N/A	N/A	N/A	N/A	0747					Rags	12/7/2007
N/A	N/A	N/A	N/A	0748					Rags	12/7/2007
N/A	N/A	N/A	N/A	0749			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0750			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0751			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0752					Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0753					Rags	12/7/2007
N/A	N/A	N/A	N/A	0765			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0766			Overpacked	Sampled	Grease	12/10/2007
N/A	N/A	N/A	N/A	0767					Rags	12/7/2007
N/A	N/A	N/A	N/A	0768	0769				Rags	12/7/2007
N/A	N/A	N/A	N/A	0770			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0771					Rags	12/7/2007
N/A	N/A	N/A	N/A	0772				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0773					Rags	12/7/2007
N/A	N/A	N/A	N/A	0774			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0775			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	1058	1059			Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0776					Rags	12/7/2007
N/A	N/A	N/A	N/A	0777			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0778			Not overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0779					Rags	12/7/2007
N/A	N/A	N/A	N/A	0780	0781		Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0782			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0783			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0784					Rags	12/7/2007
N/A	N/A	N/A	N/A	0785					Rags	12/7/2007
N/A	N/A	N/A	N/A	0786					Rags	12/7/2007
N/A	N/A	N/A	N/A	0787					Rags	12/7/2007
N/A	N/A	N/A	N/A	0788			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0789			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0790			Overpacked	Sampled	Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0791			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0792					Rags	12/7/2007
N/A	N/A	N/A	N/A	1057			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	0793			Overpacked	Sampled	Flammable Liquid	12/10/2007
N/A	N/A	N/A	N/A	0794			Overpacked	Sampled	Flammable Liquid	12/10/2007
N/A	N/A	N/A	N/A	0795			Overpacked	Sampled	Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0796					Rags	12/7/2007
N/A	N/A	N/A	N/A	0797				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0798			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0799			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0800			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0801			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0802					Rags	12/7/2007
N/A	N/A	N/A	N/A	0803					Rags	12/7/2007
N/A	N/A	N/A	N/A	0804					Rags	12/7/2007
N/A	N/A	N/A	N/A	0805					Rags	12/7/2007
N/A	N/A	N/A	N/A	0806					Rags	12/7/2007
N/A	N/A	N/A	N/A	0807					Rags	12/7/2007
N/A	N/A	N/A	N/A	0808				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0809			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0810			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0811			Overpacked	Sampled	Paint	12/10/2007
N/A	N/A	N/A	N/A	0813			Overpacked	Sampled	Grease	12/10/2007
N/A	N/A	N/A	N/A	0814					Rags	12/7/2007
N/A	N/A	N/A	N/A	0815			Crushed; contents transferred to 1-426		Empty	12/18/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107201)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107202)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107200)	Rineco (Benton, AR)
Hazardous Waste (002107200)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107201)	Rineco (Benton, AR)
Hazardous Waste (002107202)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-311	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-312	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-313	Steel	55 Gal	Liquid	100	0	N/A	Heat Transfer Fluid	Petro Canada	Calgary, Toronto, Montreal	N/A	N/A
1-314	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-315	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Dura Coat Products	Huntsville, AL	N/A	N/A
1-316	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-317	Steel	55 Gal	Liquid/Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-318	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-319	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-320	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-321	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-322	Steel	55 Gal	Solid	100	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-323	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-324	Steel	55 Gal	Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-325	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-326	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-327	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-328	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-329	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-330	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-331	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-332	Steel	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-333	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-334	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-335	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-336	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-337	Steel	55 Gal	Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-338	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-339	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-340	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-341	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-342	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-343	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-344	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-345	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-346	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-347	Steel	55 Gal	Solid	100	0	N/A	None	Stamco	New Bremen, OH	N/A	N/A
1-348	Poly	55 Gal	Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-349	Poly	55 Gal	Solid	25	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-350	Poly	55 Gal	Solid	75	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-351	Poly	55 Gal	Solid	75	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-352	Poly	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-353	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-354	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-355	Steel	55 Gal	Solid	75	0	N/A	None	N/A	N/A	N/A	N/A
1-356	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-357	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-358	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-359	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-360	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-361	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-362	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-363	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	Quaker State	Shreveport, LA	N/A	N/A
1-364	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-365	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-366	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-367	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-368	Poly	55 Gal	Solid	25	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-369	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-370	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	GM Bowling Green	Bowling Green, KY	N/A	N/A
1-371	Steel	55 Gal	Solid	100	0	N/A	None	GM Bowling Green	Bowling Green, KY	N/A	N/A
1-372	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0816					Rags	12/7/2007
N/A	N/A	N/A	N/A	0817					Rags	12/7/2007
N/A	N/A	N/A	N/A	0818				Sampled	Heat Exchange Oil	12/7/2007
N/A	N/A	N/A	N/A	0819				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0820					Rags	12/7/2007
N/A	N/A	N/A	N/A	0821					Rags	12/7/2007
N/A	N/A	N/A	N/A	0822			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0823			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0824			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0825					Rags	12/7/2007
N/A	N/A	N/A	N/A	0826					Rags	12/7/2007
N/A	N/A	N/A	N/A	0827					Rags	12/7/2007
N/A	N/A	N/A	N/A	0828			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0829			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0830			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0831			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0832			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0833			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0834			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0835	0836	837	Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0838					Rags	12/7/2007
N/A	N/A	N/A	N/A	0839					Rags	12/7/2007
N/A	N/A	N/A	N/A	0840					Rags	12/7/2007
N/A	N/A	N/A	N/A	0841					Rags	12/7/2007
N/A	N/A	N/A	N/A	0842			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0843			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0844			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0845				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0846			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0847			Not overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0848			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0849			Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0850					Rags	12/7/2007
N/A	N/A	N/A	N/A	0851			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0852			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0853			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0854					Rags	12/7/2007
N/A	N/A	N/A	N/A	0855			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0856			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0857			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0858			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0859			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0860			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0861			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0862			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0863			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0864			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0865			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0866			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0867			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0868			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0869			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0870	0871		Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0872			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0873			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0874			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0875			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0876			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0877			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0878	0879				Rags	12/7/2007
N/A	N/A	N/A	N/A	0880					Rags	12/7/2007
N/A	N/A	N/A	N/A	0881					Rags	12/7/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00003)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-373	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-374	Steel	55 Gal	Solid	100	0	N/A	Absorbents	N/A	N/A	N/A	N/A
1-375	Steel	55 Gal	Solid	100	0	N/A	Absorbents	N/A	N/A	N/A	N/A
1-376	Steel	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-377	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-378	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-379	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-380	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-381	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-382	Poly	55 Gal	Solid	25	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-383	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-384	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-385	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-386	Poly	55 Gal	Liquid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-387	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-388	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-389	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-390	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-391	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-392	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-393	Poly	55 Gal	Liquid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-394	Poly	55 Gal	Liquid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-395	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-396	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-397	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-398	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-399	Steel	55 Gal	Solid	50	0	N/A	None	N/A	N/A	N/A	N/A
1-400	Steel	55 Gal	Solid	100	0	N/A	Absorbents	N/A	N/A	N/A	N/A
1-401	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-402	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-403	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-404	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-405	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-406	Poly	55 Gal	Solid	100	0	N/A	Recycled Pads	N/A	N/A	N/A	N/A
1-407	Steel	55 Gal	Solid	100	0	N/A	Dura Coat Products	Alcan Composites USA	Huntsville, AL	Alcan Composites USA	Benton, KY
1-408	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-409	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-410	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-411	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-412	Steel	55 Gal	Liquid	75	0	M	None	N/A	N/A	N/A	N/A
1-413	Steel	55 Gal	Solid	100	0	N/A	Non RCRA Regulated Waste	Delphi Packard Electric Systems	Brookhaven, MS	N/A	N/A
1-414	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-415	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-416	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-417	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-418	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-419	Poly	55 Gal	Liquid	50	0	Floater	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-420	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-421	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-422	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-423	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-424	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-425	Steel	55 Gal	Solid	100	0	N/A	Non-Hazardous Waste	N/A	N/A	N/A	N/A
1-426	Poly	55 Gal	Liquid	50	0	Sinker	None	N/A	N/A	N/A	N/A
1-427	Poly	55 Gal	Liquid	50	3	Floater	None	N/A	N/A	N/A	N/A
1-428	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	Dura Coat Products	Huntsville, AL
1-429	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-430	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-431	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-432	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-433	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-434	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0882					Rags	12/7/2007
N/A	N/A	N/A	N/A	0883			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0884			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0885			Overpacked		Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0886			Crushed; contents transferred to 1-383		Empty	12/18/2007
N/A	N/A	N/A	N/A	0887					Rags	12/7/2007
N/A	N/A	N/A	N/A	0888					Rags	12/7/2007
N/A	N/A	N/A	N/A	0889					Rags	12/7/2007
N/A	N/A	N/A	N/A	0890				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0891			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0892			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0893			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0894			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0895			Overpacked	Sampled	Water	12/7/2007
N/A	N/A	N/A	N/A	0896			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0897			Overpacked	Sampled	Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0898			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0899			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0900			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0901			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0902			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0903			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0904					Rags	12/7/2007
N/A	N/A	N/A	N/A	0905					Rags	12/7/2007
N/A	N/A	N/A	N/A	0906					Rags	12/7/2007
N/A	N/A	N/A	N/A	0907			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0908			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0909			Overpacked	Sampled	Absorbents	12/10/2007
N/A	N/A	N/A	N/A	0910			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0911			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0912			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0913			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0914			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0915			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0916			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0917			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0918			Not overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0919			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0812	0920		Crushed; contents transferred to 1-090		Empty	12/18/2007
N/A	N/A	N/A	N/A	0921			Overpacked	Sampled	Water	12/7/2007
N/A	N/A	N/A	N/A	0922	0923				Rags	12/7/2007
N/A	N/A	N/A	N/A	0924					Rags	12/7/2007
N/A	N/A	N/A	N/A	0925	0926		Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0927			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0928					Rags	12/7/2007
N/A	N/A	N/A	N/A	0929			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0930			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0931					Rags	12/7/2007
N/A	N/A	N/A	N/A	0932					Rags	12/7/2007
N/A	N/A	N/A	N/A	0933			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0934			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0935			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0936			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0937			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	0938			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	0939	0940			Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0941					Rags	12/7/2007
N/A	N/A	N/A	N/A	0942			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0943			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0944			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0945			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0946	0947	0948			Rags	12/7/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Non-Hazardous Waste (00003)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107199)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00003)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-435	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-436	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-437	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green	Bowling Green, KY
1-438	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-439	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-440	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-441	Steel	55 Gal	Solid	100	0	N/A	None	GM Bowling Green	Bowling Green, KY	N/A	N/A
1-442	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-443	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-444	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A
1-445	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-446	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-447	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-448	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-449	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-450	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-451	Steel	55 Gal	Solid	100	0	N/A	Juice Concentrate	N/A	N/A	N/A	N/A
1-452	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-453	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-454	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-455	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-456	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-457	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-458	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-459	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-460	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-461	Steel	55 Gal	Solid	100	0	N/A	Flammable Liquid	Alcan Composites USA	Benton, KY	N/A	N/A
1-462	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-463	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-464	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-465	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-466	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-467	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-468	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-469	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-470	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-471	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-472	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-473	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-474	Steel	55 Gal	Solid	100	0	N/A	None	Alcan Composites USA	Benton, KY	N/A	N/A
1-475	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-476	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-477	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-478	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-479	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-480	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-481	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-482	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-483	Steel	55 Gal	Solid	100	0	N/A	Juice Concentrate	N/A	N/A	N/A	N/A
1-484	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-485	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-486	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-487	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-488	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-489	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A
1-490	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-491	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-492	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-493	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-494	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-495	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-496	Steel	55 Gal	Solid	100	0	N/A	Flammable	Circle Environmental	Russellville, KY	Alcan Composites USA	Benton, KY

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	0949					Rags	12/7/2007
N/A	N/A	N/A	N/A	0950			Overpacked	Sampled	Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0952			Overpacked	Sampled	Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0953			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0954			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0955					Rags	12/7/2007
N/A	N/A	N/A	N/A	0956					Rags	12/7/2007
N/A	N/A	N/A	N/A	0957					Rags	12/7/2007
N/A	N/A	N/A	N/A	0958					Rags	12/7/2007
N/A	N/A	N/A	N/A	0959					Rags	12/7/2007
N/A	N/A	N/A	N/A	0960	0961			Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0962			Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0963			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0964			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0965			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0966			Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0967			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0968			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0969			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0970			Overpacked		Pads and Boom	12/10/2007
N/A	N/A	N/A	N/A	0971			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0972			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0973	0974		Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0975			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0976	0977		Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	0978			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0979					Rags	12/7/2007
N/A	N/A	N/A	N/A	0980			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0981			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0982			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0983			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0984			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0985			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0986			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0987			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	0988					Rags	12/7/2007
N/A	N/A	N/A	N/A	0989					Rags	12/7/2007
N/A	N/A	N/A	N/A	0990					Rags	12/7/2007
N/A	N/A	N/A	N/A	0991					Rags	12/7/2007
N/A	N/A	N/A	N/A	0992					Rags	12/7/2007
N/A	N/A	N/A	N/A	0993					Rags	12/7/2007
N/A	N/A	N/A	N/A	0994					Rags	12/7/2007
N/A	N/A	N/A	N/A	0995				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	0996					Rags	12/7/2007
N/A	N/A	N/A	N/A	0997			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	0998					Rags	12/7/2007
N/A	N/A	N/A	N/A	0999					Rags	12/7/2007
N/A	N/A	N/A	N/A	1000			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1001			Not overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	1002			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1003				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1004					Rags	12/7/2007
N/A	N/A	N/A	N/A	1005				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1006				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1007					Rags	12/7/2007
N/A	N/A	N/A	N/A	1008				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1009					Rags	12/7/2007
N/A	N/A	N/A	N/A	1010	1011		Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1012			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1013			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1014			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1015				Sampled	Rags	12/7/2007

Waste Manifest Number	Disposal Facility
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107196)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address
1-497	Steel	55 Gal	Solid	75	0	Miscible	Juice Concentrate	N/A	N/A	N/A	N/A
1-498	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-499	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-500	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-501	Poly	55 Gal	Liquid	100	0	Floater	None	N/A	N/A	N/A	N/A
1-502	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-503	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-504	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-505	Poly	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-506	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-507	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-508	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-509	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Delphi Packard Electric Systems	Brookhaven, MS	N/A	N/A
1-510	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-511	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-512	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-513	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-514	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton, KY	N/A	N/A
1-515	Steel	55 Gal	Solid	100	0	N/A	None	GM Bowling Green	Bowling Green, KY	N/A	N/A
1-516	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-517	Steel	55 Gal	Liquid	50	8	Sinker	None	N/A	N/A	N/A	N/A
1-518	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-519	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A
1-520	Steel	55 Gal	Liquid	25	0	Floater	None	N/A	N/A	N/A	N/A
1-521	Steel	55 Gal	Solid	100	0	N/A	Non Regulated Waste	N/A	N/A	N/A	N/A
1-522	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-523	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-524	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-525	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-526	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-527	Steel	55 Gal	Solid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A
1-528	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-529	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-530	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-531	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A
1-532	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-533	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid / Hazardous Waste	Venture Industries	Hopkinsville, KY	N/A	N/A
1-534	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A
1-535	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A
1-536	Poly	55 Gal	Solid	100	0	N/A	Oil Absorbents Only	N/A	N/A	N/A	N/A

Notes:

High concentration perchloroethylene
Low concentration perchloroethylene
Contaminated pads and boom
Contaminated absorbent materials
Contaminated rags
Flammable liquid
Grease
Heat exchange oil
Paint
Trash and floor sweepings
Water
Empty

Tertiary Label	Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date
N/A	N/A	N/A	N/A	1016	1017		Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1018			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1019			Overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	1020			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1021			Overpacked	Sampled	Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	1022					Rags	12/7/2007
N/A	N/A	N/A	N/A	1023			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	1024					Rags	12/7/2007
N/A	N/A	N/A	N/A	1025			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1026					Rags	12/7/2007
N/A	N/A	N/A	N/A	1027			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1028			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1029			Overpacked	Sampled	Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	1030			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1031			Not overpacked		Pads and Boom	12/18/2007
N/A	N/A	N/A	N/A	1032			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1033					Rags	12/7/2007
N/A	N/A	N/A	N/A	1034					Rags	12/7/2007
N/A	N/A	N/A	N/A	1035	1036		Overpacked	Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1037					Rags	12/7/2007
N/A	N/A	N/A	N/A	1038			Overpacked		Perc (high)	12/10/2007
N/A	N/A	N/A	N/A	1039					Rags	12/7/2007
N/A	N/A	N/A	N/A	1040				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1041			Overpacked		Perc (low)	12/10/2007
N/A	N/A	N/A	N/A	1042			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1043			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1044			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1045			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1046			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1047			Overpacked		Pads and Boom	12/11/2007
N/A	N/A	N/A	N/A	1048			Overpacked	Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1049			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1050			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	1051			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1052			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1053			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1054				Sampled	Rags	12/7/2007
N/A	N/A	N/A	N/A	1055			Overpacked		Pads and Boom	12/17/2007
N/A	N/A	N/A	N/A	1056			Crushed		Empty	12/18/2007
N/A	N/A	N/A	N/A	1060			Overpacked		Pads and Boom	12/17/2007

Waste Manifest Number	Disposal Facility
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107193)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107194)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107195)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Hazardous Waste (002107197)	Rineco (Benton, AR)
Non-Hazardous Waste (00002)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00001)	Vexor Technology, Inc. (Medina, OH)
Hazardous Waste (002107198)	Rineco (Benton, AR)
Non-Hazardous Waste (00017)	Wolf Creek Landfill (Dry Branch, GA)
Hazardous Waste (002107198)	Rineco (Benton, AR)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-001	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-002	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-003	Steel	55 Gal	Solid	50	0	N/A	Flammable Gas	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-004	Steel	55 Gal	Liquid/Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-005	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-006	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-007	Steel	55 Gal	Solid	100	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-008	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-009	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Dependable Drum	Taylers, SC	N/A	N/A	N/A
2-010	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Alcan Composites USA	Benton KY	N/A	N/A	N/A
2-011	Steel	55 Gal	Empty	0	0	N/A	None	GM Bowling Green Automotive	Bowling Green, KY	N/A	N/A	N/A
2-012	Steel	55 Gal	Empty	0	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-013	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	N/A	N/A	N/A
2-014	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-015	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-016	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-017	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-018	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-019	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-020	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-021	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-022	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-023	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-024	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-025	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-026	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-027	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-028	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-029	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-030	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-031	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-032	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-033	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-034	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-035	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-036	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-037	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-038	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-039	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	N/A	N/A	N/A
2-040	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-041	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-042	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-043	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-044	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-045	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-046	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-047	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-048	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-049	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-050	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-051	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-052	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-053	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-054	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-055	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-056	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-057	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-058	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-059	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-060	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0086	0087		Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0088	0089	0090	Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0091	0092		Shipped from Circle Environmental #1 location		Aerosols	12/18/2007	Hazardous Waste (002107213)
N/A	N/A	N/A	0093			Shipped from Circle Environmental #1 location	Sampled	Paint	12/18/2007	Hazardous Waste (00210705)
N/A	N/A	N/A	0094	0095		Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0096			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0097			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0098	0099		Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0100	0101		Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0102	0103		Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0104	0105		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0106	0107		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0108	0109		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0110			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0111	0112		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0113			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0114			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0115			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0116			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0117			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0118			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0119			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0120			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0121			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0122			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0123			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0124			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0125			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0126			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0127			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0128			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0758			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0759			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0760			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0761			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0762			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0763			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0764	100_0765		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0766			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0767	100_0768		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0769			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0770			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0771	100_0772		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	100_0773			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0129			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0130			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0131			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0132			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0133			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0134			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0135			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0136			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0137			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0138			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0139	0140		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0141			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0142			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0143			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0144			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0145			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Vexor Technology, Inc. (Medina, OH)
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Rineco (Benton, AR)
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Vexor Technology, Inc. (Medina, OH)
Vexor Technology, Inc. (Medina, OH)
Veolia-Taylor County Landfill (Mauk, GA)
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Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-061	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-062	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-063	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-064	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-065	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-066	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-067	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-068	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-069	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-070	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-071	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-072	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-073	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-074	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-075	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-076	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-077	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-078	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-079	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-080	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-081	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-082	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Dura Coats Products	Hopkinsville, KY	N/A	N/A	N/A
2-083	Steel	55 Gal	Solid	100	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-084	Steel	55 Gal	Solid	100	5	N/A	None	N/A	N/A	N/A	N/A	N/A
2-085	Steel	55 Gal	Liquid	100	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-086	Steel	55 Gal	Liquid	100	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-087	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-088	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-089	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-090	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-091	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-092	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-093	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-094	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-095	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-096	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-097	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-098	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-099	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-100	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-101	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-102	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-103	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-104	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-105	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-106	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-107	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-108	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-109	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-110	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-111	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-112	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-113	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-114	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-115	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-116	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-117	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-118	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-119	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0146			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0147			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0148			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0149			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0150			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0151			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0152			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0153			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0154			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0155			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0156			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0157			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0158			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0159	0160		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0161			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0162			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0163			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0164			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0165			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0166			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0167			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0168			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0169			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0170			Shipped from Circle Environmental #1 locatio Overpacked; sludge mixed with floor sweepings	Sampled	Trash	12/18/2007	Hazardous Waste (002107208)
N/A	N/A	N/A	0171			Shipped from Circle Environmental #1 location	Sampled	Water	12/10/2007	Hazardous Waste (002107203)
N/A	N/A	N/A	0172			Shipped from Circle Environmental #1 location	Sampled	Water	12/10/2007	Hazardous Waste (002107203)
N/A	N/A	N/A	0173			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0174			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0175			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0176			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0177			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0178			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0179			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0180			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0181			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0182	0183		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0184			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0185			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0186			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0187			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0189			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0190			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0191			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0192			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0193			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0194			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0195			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0196			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0197			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0198			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0199			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0200			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0201			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0202			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0203	0204		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0205			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0206			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0207			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0208			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
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Vexor Technology, Inc. (Medina, OH)
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Vexor Technology, Inc. (Medina, OH)
Rineco (Benton, AR)
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Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-120	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-121	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-122	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-123	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-124	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-125	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-126	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-127	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-128	Poly	55 Gal	Empty	0	0	N/A	None	Johnson Wax Professional (Heavy Duty Degreaser)	N/A	N/A	N/A	N/A
2-129	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-130	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-131	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-132	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-133	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-134	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-135	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-136	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-137	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-138	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-139	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-140	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-141	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-142	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-143	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-144	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-145	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-146	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-147	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-148	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-149	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-150	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-151	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-152	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-153	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-154	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-155	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-156	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-157	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-158	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-159	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-160	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-161	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-162	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-163	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-164	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-165	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-166	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-167	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-168	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-169	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-170	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-171	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-172	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-173	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-174	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-175	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-176	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-177	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-178	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0209			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0210			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0211	0212		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0213			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0214			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0215			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0216			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0217			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0218			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0219			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0220			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0221			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0222			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0223			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0224			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0225	0226		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0227			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0228			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0229			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0230			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0231	0232		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0233			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0235			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0236			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0237			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0238			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0239			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0240			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0241			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0242			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0243			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0244			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0245			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0246			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0247			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0248			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0249			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0250			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0251			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0252			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0253			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0254			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0255			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0256			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0257			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0258			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0259			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0260			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0261			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0262			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0263			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0264			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0265			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0266			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0267			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0268			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0269			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0270			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0271			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Veolia-Taylor County Landfill (Mauk, GA)
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Veolia-Taylor County Landfill (Mauk, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-179	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-180	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-181	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-182	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Alcan Composites USA	Benton KY	N/A	N/A	N/A
2-183	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	BASF	Morganton, NC	N/A	N/A	N/A
2-184	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-185	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-186	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-187	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-188	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-189	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-190	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-191	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-192	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-193	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-194	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-195	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-196	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-197	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-198	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-199	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-200	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-201	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-202	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-203	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-204	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-205	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-206	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-207	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-208	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-209	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-210	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-211	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-212	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-213	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-214	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-215	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-216	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-217	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-218	Steel	55 Gal	Empty	0	0	N/A	None	Veldspar	Indianiapolis, IN	N/A	N/A	N/A
2-219	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-220	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-221	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-222	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-223	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-224	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-225	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-226	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-227	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-228	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-229	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-230	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-231	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-232	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-233	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-234	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-235	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-236	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-237	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-238	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0272			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0273			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0274			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0275			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0276			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0277			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0278			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0279			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0280			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0281			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0282			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0283			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0284			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0285			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0286			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0287			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0288			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0289			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0290			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0291			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0292			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0293			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0294			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0295			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0296			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0297			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0298			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0299			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0300			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0301			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0302			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0303			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0304			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0305			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0306			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0307			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0308			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0309			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0310			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0311			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0312			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0313			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0314			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0315			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0316			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0317			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0318			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0319			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0320			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0321			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0322			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0323			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0324			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0325			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0326			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0327			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0328			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0329			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0330			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0331			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Veolia-Taylor County Landfill (Mauk, GA)
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Veolia-Taylor County Landfill (Mauk, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-239	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-240	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-241	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-242	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-243	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-244	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-245	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-246	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-247	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-248	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-249	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-250	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-251	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-252	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-253	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-254	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-255	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-256	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-257	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-258	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-259	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-260	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-261	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-262	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-263	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-264	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-265	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-266	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-267	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-268	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-269	Poly	55 Gal	Empty	0	0	N/A	None	Shell Chemical Company	Lakeland, FL	N/A	N/A	N/A
2-270	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-271	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-272	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-273	Steel	55 Gal	Empty	0	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-274	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-275	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-276	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-277	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-278	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-279	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-280	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	Dura Coats Products	Huntsville, AL	N/A	N/A	N/A
2-281	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-282	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-283	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-284	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-285	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-286	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-287	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-288	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-289	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-290	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-291	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-292	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-293	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-294	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-295	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-296	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-297	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-298	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0332			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0333			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0334			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0335			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0336			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0337			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0338			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0339			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0340			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0341			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0342			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0343			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0344			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0345			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0346			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0347			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0348			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0349			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0350			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0351			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0352			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0353			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0354			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0355			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0356			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0357			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0358			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0359			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0360			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0361			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0362			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0363			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0364			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0365			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0366			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0367			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0368			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0369			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0370			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0371			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0372			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0373			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0374			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0375			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0376			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0377			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0378			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0379			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0380			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0381			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0382			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0383			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0384			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0385			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0386			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0387			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0388			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0389			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0390			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0391			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Veolia-Taylor County Landfill (Mauk, GA)
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Veolia-Taylor County Landfill (Mauk, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-299	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-300	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-301	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-302	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-303	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-304	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-305	Steel	55 Gal	Empty	0	0	N/A	None	Parts Cleaning Technology	South Field, MI	N/A	N/A	N/A
2-306	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-307	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-308	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-309	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-310	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-311	Steel	55 Gal	Empty	0	0	N/A	Flammable Liquid	N/A	N/A	N/A	N/A	N/A
2-312	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-313	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-314	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-315	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-316	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-317	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-318	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-319	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-320	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-321	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-322	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-323	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-324	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-325	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-326	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-327	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-328	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-329	Poly	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-330	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	N/A	N/A	N/A
2-331	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-332	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-333	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-334	Poly	55 Gal	Empty	0	0	N/A	None	Morton Custom Plastics	Mathews, SC	N/A	N/A	N/A
2-335	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-336	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-337	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-338	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-339	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-340	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-341	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-342	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-343	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-344	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-345	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-346	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-347	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A
2-348	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-349	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-350	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-351	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-352	Steel	55 Gal	Empty	0	0	N/A	Flammable Solid	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-353	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-354	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-355	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-356	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-357	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-358	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0392			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0393			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0394			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0395			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0396			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0397			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0398	0399		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0400			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0401			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0402			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0403			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0404			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0405			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0406			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0407			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0408			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0409			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0410			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0411			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0412			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0413			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0414			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0415			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0416			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0417			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0418			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0419			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0420			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0421			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0422			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0423			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0424			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0425			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0426			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0427			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0428			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0429			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0430			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0431			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0432			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0433			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0434			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0435			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0436			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0437			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0438			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0439			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0440			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0441			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0442			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0443			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0444			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0445			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0446			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0447			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0448			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0449			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0450			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0451			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0452			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
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Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)
Veolia-Taylor County Landfill (Mauk, GA)

Drum Number	Drum Material	Drum Size	State	% Full	Sludge	Water Solubility	Placard	Primary Label	Primary Address	Secondary Label	Secondary Address	Tertiary Label
2-359	Steel	55 Gal	Empty	0	0	N/A	None	N/A	N/A	N/A	N/A	N/A
2-360	Steel	55 Gal	Solid	100	0	N/A	None	Venture Industries	Hopkinsville, KY	N/A	N/A	N/A
2-361	Steel	55 Gal	Solid	100	0	N/A	Flammable Solid	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-362	Steel	55 Gal	Empty	0	0	N/A	None	EFTEC Automotive	Grand Rapids, MI	GM Bowling Green Assembly	Bowling Green, Ky	N/A
2-363	Steel	55 Gal	Liquid	100	0	N/A	None	Circle Environmental	Russellville, KY	N/A	N/A	N/A
2-364	Steel	55 Gal	Empty	25	0	N/A	Flammable Solid	N/A	N/A	N/A	N/A	N/A

Notes:

- Contaminated rags
- Paint
- Trash and floor sweepings
- Water
- Aerosols
- Empty

Tertiary Address	Quaternary Label	Quaternary Address	Photo 1	Photo 2	Photo 3	Comments	Composite Sample for Waste Disposal Profile Analyses	Waste Stream	Shipment Date	Waste Manifest Number
N/A	N/A	N/A	0453			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0454			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0455			Shipped from Circle Environmental #1 location	Sampled	Rags	12/7/2007	Non-Hazardous Waste (00006)
N/A	N/A	N/A	0456	0457		Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)
N/A	N/A	N/A	0458			Shipped from Circle Environmental #1 location	Sampled	Water	12/10/2007	Hazardous Waste (002107203)
N/A	N/A	N/A	0459			Crushed		Empty	10/16/2007	Non-Hazardous Waste (00001, 00002, 00003)

Disposal Facility
Veolia-Taylor County Landfill (Mauk, GA)
Vexor Technology, Inc. (Medina, OH)
Vexor Technology, Inc. (Medina, OH)
Veolia-Taylor County Landfill (Mauk, GA)
Rineco (Benton, AR)
Veolia-Taylor County Landfill (Mauk, GA)

APPENDIX D

TABLE OF WITNESSES
(1 page)

TABLE OF WITNESSES
CIRCLE ENVIRONMENTAL SITES 1 AND 2
DAWSON, TERRELL COUNTY, GEORGIA

Mr. James Webster
On-Scene Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, 11th Floor
Atlanta, GA 30303
Telephone No.: (404) 562-8769

Mr. Rick Jardine
On-Scene Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, 11th Floor
Atlanta, GA 30303
Telephone No.: (404) 562-8764

Mr. Leonardo Ceron
On-Scene Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, 11th Floor
Atlanta, GA 30303
Telephone No.: (404) 562-9129

Ms. Alyssa Hughes
On-Scene Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, 11th Floor
Atlanta, GA 30303
Telephone No.: (404) 562-8743

Mr. Charles Berry, Site Manager
Mr. Brian Croft, Field Team Member
Mr. Chris Jones, Field Team Member
Tetra Tech, Inc.
1955 Evergreen Boulevard
Duluth, GA 30096
Telephone No.: (678) 775-3080

Mr. Mark Bixler
Project Manager
WRS, Inc.
Telephone No.: (404) 328-5360

Mr. Rodney Swiney
Project Manager
WRS, Inc.
Telephone No.: (404) 328-5360

Chief Wilson
Dawson Department of Public Safety
Dawson, GA 39842
(404) 995-4414

ATTACHMENT 1

WASTE MANIFESTS
(47 pages)

FOAS - LOAD #1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAR 000 005 439	1	352 862-8888	00001

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental-1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, PhD

Generator's Site Address (if different than mailing address)
170 5th Ave. SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood, Inc.
U.S. EPA ID Number
ALD 087 138 891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
955 West Smith Rd., Medina, OH 44256
Facility's Phone: 330 721-9773
U.S. EPA ID Number
OHD 077 772 865

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. UN1325, Flammable Solids, Organic, N.O.S., 4.1, III (Paint contaminated rags)	084	DM	Est- 2,400	P	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1: VEX12065 Item C ERG133 (79x55gal)
(85A 55gallon Drums)
Job# ROAN-SSCH-

GENERATOR

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Tommy Webster
Signature:
Month 12 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robbie T. Wood
Signature:
Month 12 Day 7 Year 07
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

169-BLC-O 6 10498 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

ROAS - LOAD # 2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GAR 000 005 439	1	302 652-8668	00002

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental/1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8765 Attn: James Webster, PhD

Generator's Site Address (if different than mailing address)
170 6th Ave. SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 087 138 891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
945 West Smith Rd., Medina, OH 44256
Facility's Phone: 330 721-9773
U.S. EPA ID Number
OHD 077 772 885

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. UN1325, Flammable Solids, Organic, N.O.S., 4.1, III (Paint contaminated rags)	0059	DM	3600	P	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1: VEX12085 Item C ERG 133 ~~(Hazardous)~~ 40 40
(57 x 55 gal) (3135)
22 (2 x 55 Gallon OP)
Josh ROAN-SSCH

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: James Webster
Signature:
Month: 12 Day: 07 Year: 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie Dowdell
Signature:
Month: 12 Day: 07 Year: 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

Water
heat exchange oil 3 Loads 2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAR 000 028 438	1	307 682-8969	00003

GENERATOR

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental#1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8760 Attn: James Webster

Generator's Site Address (if different than mailing address)
170 5th Ave. SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 067 136 691

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
855 West Smith Rd., Medina, OH 44256
Facility's Phone: 330 721-6773
U.S. EPA ID Number
OHD 077 772 896

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non RCRA, Non DOT Regulated Material (Water with Debris)	002	DM	Est. 1000	P	
2	Non RCRA, Non DOT Regulated Material (Heat exchange fluid)	001	DM	Est. 400	P	
3.						
4.						

13. Special Handling Instructions and Additional Information
1: VEX12086 Item G (3x55gal in OP)
2: VEX12084 Item J (1x55gal in OP) (2)

JOHN ROAN-SSCH

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: James A Webster
Signature:
Month: 12 Day: 07 Year: 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie D Wood Jr
Signature:
Month: 12 Day: 07 Year: 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

rags (from CE2) - LOAD # 2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GAN 000 410 052	1	352 652-8000	00006

GENERATOR

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental#1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, PhD

Generator's Site Address (if different than mailing address)
222 Albany Hwy., Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 087 436 861

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Vexor Technology, Inc.
355 West Smith Rd., Medina, OH 44256
Facility's Phone: 330 721-9772
U.S. EPA ID Number
OHD 077 772 559

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	UN1325, Flammable Solids, Organic, N.O.S., 4.1, III (Paint contaminated rags)	013	DM	2300	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1: Item CERCLIS133 (1 55gal)
WEK 12097

John ROAN-SSOW

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: James Webster
Signature
Month 12 Day 03 Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

~~Copy~~ - Load + 3
Rec. (high)

D0011
~~00003~~

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAR 000 005 439	1	302 652-8999	002107194 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 067 138 891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-9098
U.S. EPA ID Number
ARD 981 057 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	069	DM	5865	G	D039	F001	F002
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20693 Item A ERG171
(69x55 gallon drums in 85gallon OP's)
Job# ROAN-SSCH-

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RICHARD J JARDINE
Signature: [signature]
Month 12 Day 10 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Richard Walker
Signature: [signature]
Month 12 Day 10 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: D039, F001, F002 | State Man. Doc.#: | Man. Doc.#: 002107194 WK

0711-20693 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001 Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001 High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002 Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004	Arsenic 5.0		D008	Lead 5.0
	D005	Barium 100		D009	Mercury 0.20 low mercury subcategory
	D006	Cadmium 1.0		D010	Selenium 5.7
	D007	Chromium 5.0		D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012	Endrin 0.13		D024	m-cresol 5.6		D036	Nitrobenzene 14
	D013	Lindane 0.066		D025	p-cresol 5.6		D037	Pentachlorophenol 7.4
	D014	Methoxychlor 0.18		D026	Cresol Mixed Isomers		D038	Pyridine 16
	D015	Toxaphene 2.6		D027	p-dichlorobenzene 6.0	✓	D039	Tetrachloroethylene 6.0
	D016	2,4 D10		D028	1,2-dichloroethane 6.0		D040	Trichloroethylene 6.0
	D017	2,4,5-TP Silvex 7.9		D029	1,1-dichloroethylene 6.0		D041	2,4,5-Trichlorophenol 7.4
	D018	Benzene 10		D030	2,4-dinitrotoluene 140		D042	2,4,6-Trichlorophenol 7.4
	D019	Carbon Tetrachloride 6.0		D031	Heptachlor & epoxides 0.066		D043	Vinyl Chloride 6.0
	D020	Chlordane 0.26		D032	Hexachlorobenzene 10			
	D021	Chlorobenzene 6.0		D033	Hexachlorobutadiene 5.6			
	D022	Chloroform 6.0		D034	Hexachloroethane 30			
	D023	o-cresol 5.6		D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6	✓	Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	0-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-		
	Ethyl Benzene 10		122-trifluoroethane 30		
	Ethyl Ether 160	✓	Trichloroethylene 6.0		
			Trichloromono-		
			fluoromethane 30		
			Xylene (mixed isomers) 30		

F003-F005 Non-Wastewater spent solvents expressed in mg/l (TCLP)

1/2

07/11/96 kc

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

12-10-07

RICHARD J JARDINE

OSC EPA

2/2

peace (last) - load * 4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00004 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAR 000 006 439	2. Page 1 of 1	3. Emergency Response Phone (404) 562-8700	4. Manifest Tracking Number 002107195 JJK

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number ALD 087 138 691

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rinsco
618 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-6098
U.S. EPA ID Number ARD 981 057 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA2082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	026	DM	3210	G	D039	F001	F002
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20866 Item # SRG171
26 x 55 gallon drums in 5 gallon overpacks
1008 ROAN-SSCA-

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J Jerchine — Signature — Month 10 Day 16 Year 07

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robbie Wood — Signature — Month 10 Day 16 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: D039, F001, F002 | State Man. Doc.#: | Man. Doc.#: 002107195JNK

0711-2069G | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001 Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001 High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002 Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004	Arsenic 5.0		D008	Lead 5.0
	D005	Barium 100		D009	Mercury 0.20 low mercury subcategory
	D006	Cadmium 1.0		D010	Selenium 5.7
	D007	Chromium 5.0		D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012	Endrin 0.13		D024	m-cresol 5.6		D036	Nitrobenzene 14
	D013	Lindane 0.066		D025	p-cresol 5.6		D037	Pentachlorophenol 7.4
	D014	Methoxychlor 0.18		D026	Cresol Mixed Isomers		D038	Pyridine 16
	D015	Toxaphene 2.6		D027	p-dichlorobenzene 6.0	✓	D039	Tetrachloroethylene 6.0
	D016	2,4 D10		D028	1,2-dichloroethane 6.0		D040	Trichloroethylene 6.0
	D017	2,4,5-TP Silvex 7.9		D029	1,1-dichloroethylene 6.0		D041	2,4,5-Trichlorophenol 7.4
	D018	Benzene 10		D030	2,4-dinitrotoluene 140		D042	2,4,6-Trichlorophenol 7.4
	D019	Carbon Tetrachloride 6.0		D031	Heptachlor & epoxides 0.066		D043	Vinyl Chloride 6.0
	D020	Chlordane 0.26		D032	Hexachlorobenzene 10			
	D021	Chlorobenzene 6.0		D033	Hexachlorobutadiene 5.6			
	D022	Chloroform 6.0		D034	Hexachloroethane 30			
	D023	o-cresol 5.6		D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6	✓	Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	0-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-122-trifluoroethane 30		
	Ethyl Benzene 10		Trichloroethylene 6.0		
	Ethyl Ether 160	✓	Trichloromonofluoromethane 30		
			Xylene (mixed isomers) 30		

p- 1 of 2

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

absorbents - Loan #4

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GAR 000 005 438
2. Page 1 of: 1
3. Emergency Response Phone: (404) 562-8700
4. Manifest Tracking Number: 002107199 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood

U.S. EPA ID Number: ALD 087 138 891

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rinco
819 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-6699

U.S. EPA ID Number: ARD 981 057 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, Hazardous Waste, Solid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	015	DM	1500	P	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
T: 9711-20586 Item # ERG171
15X 55gallondrums in 55gallonOverpacks

ARR ROAN-68504

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J. Jerdine
Signature:
Month: 12 Day: 10 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie Wood
Signature:
Month: 12 Day: 10 Year: 07

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002 | State Man. Doc.#: | Man. Doc.#: 002071994WK

0711-20698 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☐ D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☐ D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐ D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	☐	D008	Lead 5.0
☐	D005	Barium 100	☐	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	☐	D010	Selenium 5.7
☐	D007	Chromium 5.0	☐	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036	Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037	Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038	Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☐	D039	Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040	Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041	2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042	2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043	Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10			
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6			
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30			
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☑	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-		
☐	Ethyl Benzene 10	☐	122-trifluoroethane 30		
☐	Ethyl Ether 160	☑	Trichloroethylene 6.0		
		☐	Trichloromono-		
		☐	fluoromethane 30		
		☐	Xylene (mixed isomers) 30		

Page 1 of 2

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

paint - LOAD #4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00006

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAR 000 035 439	1	[illegible]	002107201 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8760 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Cawson, GA 30642

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 087 138 691

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
815 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 776-6000
U.S. EPA ID Number
ARD 981 057 670

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1263, Waste Paint, 3, II	004	DM	1000	P	D001		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20700 Item # ERG128
4/55 gallon drums in 55gallon overpacks
JOB# ROAN-SSCH-

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J. Jarrard Jr. Signature: [signature] Month: 12 Day: 16 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie Wood Signature: [signature] Month: 12 Day: 16 Year: 07

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: D001 | State Man. Doc.#: | Man. Doc.#: 002107201JJK

07/1-20700 | Profile: | Line Item: 1

EPA Waste Codes		Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☐	D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☑	D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐	D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	D008	Lead 5.0
☐	D005	Barium 100	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	D010	Selenium 5.7
☐	D007	Chromium 5.0	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036 Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037 Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038 Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☐	D039 Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040 Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041 2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042 2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043 Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10		
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6		
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30		
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36		

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☐	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-		
☐	Ethyl Benzene 10	☐	122-trifluoroethane 30		
☐	Ethyl Ether 160	☐	Trichloroethylene 6.0		
		☐	Trichloromono-		
		☐	fluoromethane 30		
		☐	Xylene (mixed isomers) 30		

pas lot 2

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

10 DEC 07

JARDINE

RICHARDS

OSL. US EPA

Page 2 of 2

Plume Records - Lots #4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00007

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAR 000 005 439	1	800-633-3768	002107200 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8760 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie O. Wood

U.S. EPA ID Number
ALD 057 136 891

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rinco
619 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 776-6000

U.S. EPA ID Number
ARD 981 057 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1993, Waste Flammable Liquids, N.O.S., 3, II (Acetone, Ethylbenzene)	003	DM	0170	G	F001 D035	F002	D001
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20680 Item # EP63128
3X 5-gallon Aramsorb $5 gallon Cubepacks
John ROAN-SEOH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard L. Darling — Signature — Month: 12 Day: 26 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie Wood — Signature — Month: 12 Day: 26 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002, D001, D039 | State Man. Doc.#: | Man. Doc.#: 002107200JJK

0711-20694 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☐ D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☑ D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐ D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	☐	D008	Lead 5.0
☐	D005	Barium 100	☐	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	☐	D010	Selenium 5.7
☐	D007	Chromium 5.0	☐	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036	Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037	Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038	Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☑	D039	Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040	Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041	2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042	2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043	Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10			
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6			
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30			
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☑	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-122-trifluoroethane 30		
☐	Ethyl Benzene 10	☑	Trichloroethylene 6.0		
☐	Ethyl Ether 160	☐	Trichloromonofluoromethane 30		
		☐	Xylene (mixed isomers) 30		

page 1 of 2

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

grease - Load #4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00002

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAR 000 808 439	1	800-262-8200	002107202 JJK

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8700 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 30842

6. Transporter 1 Company Name
Robbie D. Wood
U.S. EPA ID Number
ALD 087 138 681

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 776-5088
U.S. EPA ID Number
ARD 981 087 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	002	DM	0110	G	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20702 Item: EPA171
2 x 55 gallon drums in 8 yard on rip rack
JJK# ROAN-2804

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J. Jenkins
Signature:
Month: 12 Day: 16 Year: 07

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials

		Month	Day	Year
Transporter 1 Printed/Typed Name: Robbie Wood	Signature:	12	16	07
Transporter 2 Printed/Typed Name	Signature			

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002 | State Man. Doc.#: | Man. Doc.#: 00210720 2JJK

0711-20702 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001 Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001 High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002 Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004 Arsenic 5.0		D008 Lead 5.0
	D005 Barium 100		D009 Mercury 0.20 low mercury subcategory
	D006 Cadmium 1.0		D010 Selenium 5.7
	D007 Chromium 5.0		D011 Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012 Endrin 0.13		D024 m-cresol 5.6		D036 Nitrobenzene 14
	D013 Lindane 0.066		D025 p-cresol 5.6		D037 Pentachlorophenol 7.4
	D014 Methoxychlor 0.18		D026 Cresol Mixed Isomers		D038 Pyridine 16
	D015 Toxaphene 2.6		D027 p-dichlorobenzene 6.0		D039 Tetrachloroethylene 6.0
	D016 2,4 D10		D028 1,2-dichloroethane 6.0		D040 Trichloroethylene 6.0
	D017 2,4,5-TP Silvex 7.9		D029 1,1-dichloroethylene 6.0		D041 2,4,5-Trichlorophenol 7.4
	D018 Benzene 10		D030 2,4-dinitrotoluene 140		D042 2,4,6-Trichlorophenol 7.4
	D019 Carbon Tetrachloride 6.0		D031 Heptachlor & epoxides 0.066		D043 Vinyl Chloride 6.0
	D020 Chlordane 0.26		D032 Hexachlorobenzene 10		
	D021 Chlorobenzene 6.0		D033 Hexachlorobutadiene 5.6		
	D022 Chloroform 6.0		D034 Hexachloroethane 30		
	D023 o-cresol 5.6		D035 Methyl Ethyl Ketone 36		

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

F003-F005 Non-Wastewater spent solvents expressed in mg/l (TCLP)

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6	✓	Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	0-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-		
	Ethyl Benzene 10		122-trifluoroethane 30		
	Ethyl Ether 160	✓	Trichloroethylene 6.0		
			Trichloromono-		
			fluoromethane 30		
			Xylene (mixed isomers) 30		

Page 1 of 2

07/11/96 kc

Generator Copy

Water - Load #4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00009

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAN 000 410 382	1	[illegible]	002107203 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8789 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
222 Albany Hwy., Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood

U.S. EPA ID Number
ALD 987 136 891

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Hasket, Benton, AR 72019

U.S. EPA ID Number
ARD 981 057 870

Facility's Phone: 501 778-5088

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, II (Benzene, Acetone)	003	DM	035	G	D018		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20704 Item 1, ERG 171
3X55 gallon drums in 85 gallon overpacks

JOHN ROAN-BSCH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J. Jenkins | Signature | Month: 10 | Day: 10 | Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] | Signature | Month: 10 | Day: 10 | Year: 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #2 | EPA ID#: GAN000410082

EPA Codes: D018 | State Man. Doc.#: | Man. Doc.#: 002107203 JJK

0711-20704 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001 Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001 High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002 Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004	Arsenic 5.0		D008	Lead 5.0
	D005	Barium 100		D009	Mercury 0.20 low mercury subcategory
	D006	Cadmium 1.0		D010	Selenium 5.7
	D007	Chromium 5.0		D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012	Endrin 0.13		D024	m-cresol 5.6		D036	Nitrobenzene 14
	D013	Lindane 0.066		D025	p-cresol 5.6		D037	Pentachlorophenol 7.4
	D014	Methoxychlor 0.18		D026	Cresol Mixed Isomers		D038	Pyridine 16
	D015	Toxaphene 2.6		D027	p-dichlorobenzene 6.0		D039	Tetrachloroethylene 6.0
	D016	2,4 D10		D028	1,2-dichloroethane 6.0		D040	Trichloroethylene 6.0
✓	D017	2,4,5-TP Silvex 7.9		D029	1,1-dichloroethylene 6.0		D041	2,4,5-Trichlorophenol 7.4
	D018	Benzene 10		D030	2,4-dinitrotoluene 140		D042	2,4,6-Trichlorophenol 7.4
	D019	Carbon Tetrachloride 6.0		D031	Heptachlor & epoxides 0.066		D043	Vinyl Chloride 6.0
	D020	Chlordane 0.26		D032	Hexachlorobenzene 10			
	D021	Chlorobenzene 6.0		D033	Hexachlorobutadiene 5.6			
	D022	Chloroform 6.0		D034	Hexachloroethane 30			
	D023	o-cresol 5.6		D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6		Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	0-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-		
	Ethyl Benzene 10		122-trifluoroethane 30		
	Ethyl Ether 160		Trichloroethylene 6.0		
			Trichloromono-		
			fluoromethane 30		
			Xylene (mixed isomers) 30		

Page 1 of 2

07/11/96 kc

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

pats - Load #4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00010 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAR 000 305 439	1	302 662-8599	002107196 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Woods
U.S. EPA ID Number: ALD 067 138 681

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Haskell, Benton, AR 72015
Facility's Phone: 501 776-9055
U.S. EPA ID Number: ARD 981 057 670

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	003	DM	165	G	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. 0711-20997 Item D ERG 171
3 x 55 gallon Plastic Lined Steel Over-Packs
Jose ROAN-ESCH.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Patricia J. Sandine
Signature:
Month: 12 Day: 10 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robbie Woods
Signature:
Month: 12 Day: 10 Year: 07

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002 | State Man. Doc.#: | Man. Doc.#: 002071964JK

0711-20697 | Profile: | Line Item: 1

EPA Waste Codes		Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004	Arsenic 5.0		D008	Lead 5.0
	D005	Barium 100		D009	Mercury 0.20 low mercury subcategory
	D006	Cadmium 1.0		D010	Selenium 5.7
	D007	Chromium 5.0		D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012	Endrin 0.13		D024	m-cresol 5.6		D036	Nitrobenzene 14
	D013	Lindane 0.066		D025	p-cresol 5.6		D037	Pentachlorophenol 7.4
	D014	Methoxychlor 0.18		D026	Cresol Mixed Isomers		D038	Pyridine 16
	D015	Toxaphene 2.6		D027	p-dichlorobenzene 6.0		D039	Tetrachloroethylene 6.0
	D016	2,4 D10		D028	1,2-dichloroethane 6.0		D040	Trichloroethylene 6.0
	D017	2,4,5-TP Silvex 7.9		D029	1,1-dichloroethylene 6.0		D041	2,4,5-Trichlorophenol 7.4
	D018	Benzene 10		D030	2,4-dinitrotoluene 140		D042	2,4,6-Trichlorophenol 7.4
	D019	Carbon Tetrachloride 6.0		D031	Heptachlor & epoxides 0.066		D043	Vinyl Chloride 6.0
	D020	Chlordane 0.26		D032	Hexachlorobenzene 10			
	D021	Chlorobenzene 6.0		D033	Hexachlorobutadiene 5.6			
	D022	Chloroform 6.0		D034	Hexachloroethane 30			
	D023	o-cresol 5.6		D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6	✓	Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	0-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-		
	Ethyl Benzene 10		122-trifluoroethane 30		
	Ethyl Ether 160	✓	Trichloroethylene 6.0		
			Trichloromono-		
			fluoromethane 30		
			Xylene (mixed isomers) 30		

Page 1 of 1

07/11/96 kc

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00012

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	GAR 000 005 439	1	(404)562-8700 or 800-424-9346	00210719 7 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8759 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood

U.S. EPA ID Number
ALD 087 138 891

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Fineco
619 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-6093

U.S. EPA ID Number
ARD 981 057 670

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	020	DM	05500	G	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-20837 Item D ERG 171
20 x 55 gallon drums 6 of which are Overpacked in 8 55 gallon drums
JOB ROAN-SSOW

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard J. Jardine, DOE — Signature — Month 12 — Day 11 — Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month — Day — Year

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name — Signature — Month — Day — Year

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002 | State Man. Doc.#: | Man. Doc.#: 002107197JJK

07/11-20697 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☐ D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☐ D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐ D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	D008	Lead 5.0
☐	D005	Barium 100	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	D010	Selenium 5.7
☐	D007	Chromium 5.0	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036 Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037 Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038 Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☐	D039 Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040 Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041 2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042 2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043 Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10		
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6		
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30		
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36		

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☑	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-		
☐	Ethyl Benzene 10	☐	122-trifluoroethane 30		
☐	Ethyl Ether 160	☑	Trichloroethylene 6.0		
		☐	Trichloromono-		
		☐	fluoromethane 30		
		☐	Xylene (mixed isomers) 30		

Page 1 of 2

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056.U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

Page 2 of 2

pads & boom - LOAD # 6

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 00013 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAR 000 005 439	1	302 662-4896	002107198 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30[illegible]

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Cowan, GA 30842

Generator's Phone: 404 562-8726 Attn: [illegible]Webster, Ph.D

6. Transporter 1 Company Name
Robbie P. Wood

U.S. EPA ID Number
ALD 067 139 681

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Hasselt, Benton, AR 72019

U.S. EPA ID Number
ARD 981 057 870

Facility's Phone: 501 778-9068

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III Tetrachloroethylene, Trichloroethylene		CM		G	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-2 Item D ERG 171 (Tetrachloroethylene, Trichloroethylene)
JJK# ROAN-SS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

pods + beam - Load # 7

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GAR 000 009 439
2. Page 1 of: 1
3. Emergency Response Phone: 302 652-3992
4. Manifest Tracking Number: 002107193 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Onde Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8790 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 6th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name: Robbie D. Wood
U.S. EPA ID Number: ALD 067 138 891

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineo
819 Vulcan Rd.-Hwy 9, Berton, AR 72019
Facility's Phone: 501 778-2098
U.S. EPA ID Number: ARD 981 067 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	01	DM	110	G	D039	F001	F002
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: 0711-28888 Item #CRC171 100 Cylinders with Monogram for Signature
JOHN ROAN-SSCH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] | Signature | Month: 10 | Day: 15 | Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] | Signature | Month: 10 | Day: 15 | Year: 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: D039, F001, F002 | State Man. Doc.#: | Man. Doc.#: 00210719JJK

0711-20693 | Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
	D001 Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
	D001 High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
	D002 Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

	D004	Arsenic 5.0		D008	Lead 5.0
	D005	Barium 100		D009	Mercury 0.20 low mercury subcategory
	D006	Cadmium 1.0		D010	Selenium 5.7
	D007	Chromium 5.0		D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

	D012	Endrin 0.13		D024	m-cresol 5.6		D036	Nitrobenzene 14
	D013	Lindane 0.066		D025	p-cresol 5.6		D037	Pentachlorophenol 7.4
	D014	Methoxychlor 0.18		D026	Cresol Mixed Isomers		D038	Pyridine 16
	D015	Toxaphene 2.6		D027	p-dichlorobenzene 6.0	✓	D039	Tetrachloroethylene 6.0
	D016	2,4 D10		D028	1,2-dichloroethane 6.0		D040	Trichloroethylene 6.0
	D017	2,4,5-TP Silvex 7.9		D029	1,1-dichloroethylene 6.0		D041	2,4,5-Trichlorophenol 7.4
	D018	Benzene 10		D030	2,4-dinitrotoluene 140		D042	2,4,6-Trichlorophenol 7.4
	D019	Carbon Tetrachloride 6.0		D031	Heptachlor & epoxides 0.066		D043	Vinyl Chloride 6.0
	D020	Chlordane 0.26		D032	Hexachlorobenzene 10			
	D021	Chlorobenzene 6.0		D033	Hexachlorobutadiene 5.6			
	D022	Chloroform 6.0		D034	Hexachloroethane 30			
	D023	o-cresol 5.6		D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

	Acetone 160		Isobutyl Alcohol 170		Carbon disulfide 4.8
	Benzene 10		Methylene Chloride 30		Cyclohexanone 0.75
	N-butyl alcohol 2.6		Methyl Ethyl Ketone 36		Methanol 0.75
	carbon tetrachloride 6.0		Methyl Isobutyl Ketone 33		
	cholorobenzene 6.0		Nitrobenzene 14		
	o-cresol 5.6		Pyridine 16		
	m-cresol 5.6	✓	Tetrachloroethylene 6.0		
	p-cresol 5.6		Toluene 10		
	Cresol mixed isomers 11.2		111-Trichloroethane 6.0		
	O-Dichlorobenzene 6.0		112-Trichloroethane 6.0		
	Ethyl Acetate 33		112-Trichloro-122-trifluoroethane 30		
	Ethyl Benzene 10	✓	Trichloroethylene 6.0		
	Ethyl Ether 160		Trichloromonofluoromethane 30		
			Xylene (mixed isomers) 30		

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

part (form CE2) - LOAD # 7

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAFR1R9-4CH-486 GAN000410X72	1	352 662-8800	002107205 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Pebble D. Wood

U.S. EPA ID Number
ALD 087 158 881

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Pinnacle
319 Vulcan Rd. Hanford, Benton, AR 72019
Facility's Phone: 501 778-8069

U.S. EPA ID Number
ARD 981 087 870

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. RQ, HM, D035, Waste Toluene, 3, III	001	PM	05	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1K Gallon Drum Metal
Acct CTA-21723
JOB# ROAN-0804

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Alicia E. Hughes | Signature | Month: 02 | Day: 13 | Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAR 000 005 439	1	352 652-4888	002107213 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8748 Attn: James Webster, Ph D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Fisher D Wood

U.S. EPA ID Number
ALD 087 139 891

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
819 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-4668

U.S. EPA ID Number
ARD 981 057 873

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, UN1950, Waste Aerosols, Flammable (each not exceeding 1 L in capacity), 2.1	001	DM	55	P	D001		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. ERG128 (1x55gal)
WP-K-1212-21177
JOM ROAN-SBCH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year
12 | 05 | 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year
12 | 05 | 17

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: D001 | State Man. Doc.#: | Man. Doc.#: 002107213WK

Profile: | Line Item: 1

EPA Waste Codes	Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☑ D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☐ D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐ D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	☐	D008	Lead 5.0
☐	D005	Barium 100	☐	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	☐	D010	Selenium 5.7
☐	D007	Chromium 5.0	☐	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036	Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037	Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038	Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☐	D039	Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040	Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041	2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042	2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043	Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10			
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6			
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30			
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☐	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-122-trifluoroethane 30		
☐	Ethyl Benzene 10	☐	Trichloroethylene 6.0		
☐	Ethyl Ether 160	☐	Trichloromono-fluoromethane 30		
		☐	Xylene (mixed isomers) 30		

Page 1 of 2

07/11/96 kc

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)		Technology Code
☐	U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
☐	U246	CHOXD; WETOX; or CMBST
☐	U115	CHOXD; or INCIN
☐	KO44, K045, K047	DEACT
☐	K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
☐	K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
☐	K106	REMERC
☐	U134	ADGAS fb Neutr; or Neutr

Trash & Floor Sweepings - LOAD # 7

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
GAR 000 005 439	1	302 662-8668	002107208 JJK

GENERATOR

5. Generator's Name and Mailing Address
US EPA Region 4-Circle Environmental #1 Site
61 Forsyth St., SW Atlanta, GA 30303
Generator's Phone: 404 562-8739 Attn: James Webster, Ph.D

Generator's Site Address (if different than mailing address)
170 5th Ave., SW, Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Ward
U.S. EPA ID Number
ALD 087 136 801

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Rineco
619 Vulcan Rd.-Haskell, Benton, AR 72019
Facility's Phone: 501 778-9009
U.S. EPA ID Number
ARD 981 057 570

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, Hazardous Waste, Solid, N.O.S., 9, III (Tetrachloroethylene, Trichloroethylene)	DLG	CM	Est. 2000	P	F001	F002	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1: OT 11-20703 Item # EPA3171
(61 Drums Hazardous Waste Liquid Solvents)
Job# ROAN-60CH

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year
D. Webster | | 12 | 15 | 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year
 | | 12 | 15 | 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year
 | | | |

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

US EPA Region 4

Generator: Circle Environmental #1 | EPA ID#: GAR 000 005 439

EPA Codes: F001, F002 | State Man. Doc.#: | Man. Doc.#: 002107208WK

0711-20703 | Profile: | Line Item: 1

EPA Waste Codes		Waste Description & Treatment/ Regulatory Subcategory (Non-Wastewater)	Concentration in mg/l or Technology Code
☐	D001	Ignitable characteristic wastes, except for 261.21(a)(1) High TOC subcategory that are managed in Non-CWA/nonCWA equivalent/non class I SDWA systems.	DEACT and meet 268.48 standards or RORGS; or CMBST
☐	D001	High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1)-greater than or equal to 10% TOC.	RORGS; or CMBST
☐	D002	Corrosive characteristic wastes that are managed in non-CWA nonCWA equivalent, or class/SDWA systems.	DEACT & meet 268.48 standards

D004-D011 Non-Wastewater Heavy Metals Expressed in Concentrations of mg/l (TCLP) (Non-Wastewater)

☐	D004	Arsenic 5.0	☐	D008	Lead 5.0
☐	D005	Barium 100	☐	D009	Mercury 0.20 low mercury subcategory
☐	D006	Cadmium 1.0	☐	D010	Selenium 5.7
☐	D007	Chromium 5.0	☐	D011	Silver 5.0

D012-D043 Concentrations Expressed in mg/kg, and Must Meet 268.48 Standards. (Non-Wastewater)

☐	D012	Endrin 0.13	☐	D024	m-cresol 5.6	☐	D036	Nitrobenzene 14
☐	D013	Lindane 0.066	☐	D025	p-cresol 5.6	☐	D037	Pentachlorophenol 7.4
☐	D014	Methoxychlor 0.18	☐	D026	Cresol Mixed Isomers	☐	D038	Pyridine 16
☐	D015	Toxaphene 2.6	☐	D027	p-dichlorobenzene 6.0	☐	D039	Tetrachloroethylene 6.0
☐	D016	2,4 D10	☐	D028	1,2-dichloroethane 6.0	☐	D040	Trichloroethylene 6.0
☐	D017	2,4,5-TP Silvex 7.9	☐	D029	1,1-dichloroethylene 6.0	☐	D041	2,4,5-Trichlorophenol 7.4
☐	D018	Benzene 10	☐	D030	2,4-dinitrotoluene 140	☐	D042	2,4,6-Trichlorophenol 7.4
☐	D019	Carbon Tetrachloride 6.0	☐	D031	Heptachlor & epoxides 0.066	☐	D043	Vinyl Chloride 6.0
☐	D020	Chlordane 0.26	☐	D032	Hexachlorobenzene 10			
☐	D021	Chlorobenzene 6.0	☐	D033	Hexachlorobutadiene 5.6			
☐	D022	Chloroform 6.0	☐	D034	Hexachloroethane 30			
☐	D023	o-cresol 5.6	☐	D035	Methyl Ethyl Ketone 36			

F001-F005 Spent Solvents; (Non-Wastewater) concentrations expressed in mg/kg

☐	Acetone 160	☐	Isobutyl Alcohol 170	☐	Carbon disulfide 4.8
☐	Benzene 10	☐	Methylene Chloride 30	☐	Cyclohexanone 0.75
☐	N-butyl alcohol 2.6	☐	Methyl Ethyl Ketone 36	☐	Methanol 0.75
☐	carbon tetrachloride 6.0	☐	Methyl Isobutyl Ketone 33		
☐	cholorobenzene 6.0	☐	Nitrobenzene 14		
☐	o-cresol 5.6	☐	Pyridine 16		
☐	m-cresol 5.6	☑	Tetrachloroethylene 6.0		
☐	p-cresol 5.6	☐	Toluene 10		
☐	Cresol mixed isomers 11.2	☐	111-Trichloroethane 6.0		
☐	0-Dichlorobenzene 6.0	☐	112-Trichloroethane 6.0		
☐	Ethyl Acetate 33	☐	112-Trichloro-122-trifluoroethane 30		
☐	Ethyl Benzene 10	☑	Trichloroethylene 6.0		
☐	Ethyl Ether 160	☐	Trichloromonofluoromethane 30		
		☐	Xylene (mixed isomers) 30		

07/11/96 kc

Generator Copy

RINECO LAND DISPOSAL RESTRICTION NOTIFICATION FORM

EPA Waste Codes (Non-Wastewater)	Technology Code
U189,U249, U133, U135, U098, U023, U096, U113, U086, U099, U103, U109, U160	CHOXD; CHRED; or CMBST
U246	CHOXD; WETOX; or CMBST
U115	CHOXD; or INCIN
KO44, K045, K047	DEACT
K112, K123, K124, K125, K126, K025, K026, U001, U006, U007, U010, U014, U015, U017, U020, U021, U026, U033, U034, U035, U038, U041, U042, U046, U049, U059, U062, U073, U074, U091, U092, U093, U095, U097, U110, U114, U116, U119, U132, U143, U148, U149, U150, U153, U156, U163, U167, U168, U171, U173, U176, U178, U184, U191, U193, U194, U200, U202, U206, U218, U219, U222, U236, U237, U238, U244 F005 (2-Nitropropane, 2-ethoxyethanol) U328, U353, F024	CMBST
K027, K039, K113, K114, K116, U008, U016, U053, U055, U056,U057, U058, U064, U085, U087, U089, U090, U094, U113, U122, U123, U124, U125, U126, U147, U154, U166, U182, U186, U197, U201, U213, U221, U223, U248, U359, K107, K108, K109, K110, U011, U016, U053, U055, U056, U003, U009, U108, U164, U177, U234	
K106	REMERC
U134	ADGAS fb Neutr; or Neutr

MT drums & debris - LOAD #8

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAR 000 005 439	1	302 652-5886	[illegible]

GENERATOR

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental#1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8789 Attn: James Webster, Ph.D.

Generator's Site Address (if different than mailing address)
170 5th Ave. SW, Dawson, GA 39842

6. Transporter 1 Company Name
Advanced Disposal Services
U.S. EPA ID Number
NOT REQUIRED

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wolf Creek Landfill
911 Landfill Rd., Cry Branch, GA 31020
Facility's Phone: 478 946-6713
U.S. EPA ID Number
NOT REQUIRED

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non RCRA, Non DOT Regulated Material (Crushed empty RCRA drums & Debris)	01	CM	20	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

JOHN ROAN-BSCH

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [illegible] Month 1 Day 15 Year 0[illegible]

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Signature: Month Day Year
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Signature: Month Day Year

AIT drums & debris - LOAD # 9

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
GAR 000 008 438	1	352 462-3909	

GENERATOR

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental 1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8769 Attn: James Webster, Ph.D.

Generator's Site Address (if different than mailing address)
170 5th Ave. SW, Dawson, GA 39842

6. Transporter 1 Company Name
Advanced Disposal Services
U.S. EPA ID Number
NOT REQUIRED

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Wolf Creek Landfill
811 Landfill Rd., Dry Branch, GA 31020
Facility's Phone: 478 945-5713
U.S. EPA ID Number
NOT REQUIRED

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA, Non DOT Regulated Material (Crushed empty RCRA drums & Debris)	01	CM	02	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

JOSE ROAN-SOCH

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month 10 | Day 15 | Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

MT Storms (from CEZ)

NOV-13-2006(MON) 16:14 TAYLOR COUNTY LANDFILL (FAX)4788622888 P.002/007

(478) 862 2886 : Kenneth Hester

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 00001 | 2. Page 1 of 1

3. Generator's Name and Mailing Address: US EPA Region 4, 61 Forsyth St SW, Atlanta, GA 30303-3233 Albany Hwy. (site) Dawson, GA Attn: J. Webster

4. Generator's Phone ( )

5. Transporter 1 Company Name: Veolia

6. US EPA ID Number

A. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter 1 Phone

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Veolia - Taylor County, County Road, 33 Stewart Rd. Manly, GA 31058

10. US EPA ID Number: GAD002321537

E. State Facility's ID

F. Facility's Phone: 478-862-2504

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit WT/Vol.
a. Non hazardous, non-regulated crushed drums	1	CM	000 20	CY
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a) Approval #200710

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: Cell-13

Bill To: EMES, PO Box 22745, Charleston, SC 29413

NON-HAZARDOUS WASTE

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: JAMES W. Webster | Signature | Date: Month 10 Day 15 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kenneth Hester | Signature: Kenneth Hester | Date: Month 10 Day 16 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Brenda Wall | Signature: Brenda Wall | Date: Month 10 Day 16 Year 07

MT Soils (from CE2)

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 00002 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
61 Forsyth St. SW
Atlanta, GA 30303

US EPA Region 4
2222 Albany Hwy ← Site address
Dawson, GA
Attn: J-Webster

4. Generator's Phone ( )

5. Transporter 1 Company Name
Veolia

6. US EPA ID Number

A. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter 1 Phone

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Veolia- Taylor County
County Road 133 Stewart Rd
Mauk, GA 31058

10. US EPA ID Number
GA0002321537

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non hazardous, non-regulated crushed drums	1	CM	00020	CY
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Approval # 200710

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
CELL-B

Bill To: EMES
PO Box 22245
Charleston, SC 29413

NON-HAZARDOUS WASTE

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: JAMES W. Webster | Signature | Date: Month 10 Day 15 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kenneth Hester | Signature | Date: Month 10 Day 16 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.
Printed/Typed Name: Patsy Carter | Signature | Date: Month 10 Day 16 Year 07

MT Storms (from CE2)

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 02003 2. Page 1 of 1

3. Generator's Name and Mailing Address: 61 Forsyth St-SW Atlanta GA 30303 2222 (US EPA Region 4) Site address: Albany Hwy. Dawson, GA Attn: J Webster

4. Generator's Phone ( )

5. Transporter 1 Company Name: Veolia

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address: Veolia — Taylor County, County Road 38 Stewart Rd. Manchester, GA 31058

10. US EPA ID Number: GA0002321537

A. State Transporter's ID

B. Transporter 1 Phone

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone: 478-862-2504

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non hazardous, non-regulated crushed drums	1	CM	00020	LY
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a) Approval # 200710

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Bill To: EMES
P.O. Box 22245
Charleston, SC 29413

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: JAMES W. Webster — Signature — Date: Month 10 Day 15 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kenneth Hester — Signature: Kenneth Hester — Date: Month 10 Day 16 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: Patsy Carter — Signature — Date: Month 10 Day 16 Year 07

NON-HAZARDOUS WASTE — GENERATOR — TRANSPORTER — FACILITY

1225 (from CEZ)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAN 000 410 082	1	302 552-6999	00004

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental/1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-8799 Attn: James Webster

Generator's Site Address (if different than mailing address)
222 Albany Hwy., Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Webb

U.S. EPA ID Number
NOT REQUIRED

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Veolor Technology of South Carolina, Inc.
2425 Highway 78, Dorchester, SC 29437
Facility's Phone: 877 721-9775

U.S. EPA ID Number
NOT REQUIRED

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
GENERATOR	1. Non Hazardous, Non regulated Rags with Paint	01	CM	30	Y	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
App # VEKSC1107 Ecat 935
JOB# ROAN-SSCH-

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
James W. Webster		11	13	07

TRANSPORTER INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
David Ethridge		11	15	07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year

160-BLC-O 6 10498 (Rev. 8/06)

COPY

1045 (from CEZ)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAN 000 410 002	1	302 652-4889	0009 S

5. Generator's Name and Mailing Address
US EPA Reg 4-Circle Environmental 1 Site
61 Forsyth St., SW, Atlanta, GA 30303
Generator's Phone: 404 562-9769 Attn: Jessica Webster

Generator's Site Address (if different than mailing address)
222 Albany Hwy., Dawson, GA 39842

6. Transporter 1 Company Name
Robbie D. Wood

U.S. EPA ID Number
NOT REQUIRED

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Veolia Technology of South Carolina, Inc.
2425 Highway 78, Dorchester, SC 29437
Facility's Phone: 877 721-9773

U.S. EPA ID Number
NOT REQUIRED

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1	Non Hazardous, Non regulated Rags with Paint	001	CM	16	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
1. Approved VEX SC109

BOX 3009

ROAM-RECH

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Jessica D. Webster		11	15	17

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
DAVID E Tuttle		11	15	17
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

COPY

ATTACHMENT 2

RAPID ASSESSMENT TOOL AIR MONITORING DATA (SCRIBE DATABASE)
(Electronic copy on compact disc)

ATTACHMENT 3

AIR TOXICS, LTD
ANALYTICAL DATA PACKAGE AND DATA VALIDATION REPORT
(Electronic copy on compact disc)

TETRA TECH

February 1, 2008

Mr. Jim Webster
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street SW, 11th Floor
Atlanta, Georgia 30303

Subject: **Circle Environmental No. 1 Site**
Technical Direction Document Number (No.) TTEMI-05-001-0047
Contract No. EP-W-05-054 (START III Region 4)
Full Data Validation Report
Air Toxics LTD. Work Order Nos. 0712491 and 0712517
Analytical Parameters: Target compound list (TCL) Volatile Organic Compounds (VOC) and TCL Semivolatile Organic Compounds (SVOC)

Laboratory Report No.	Samples	Field Duplicate Pairs	Field Quality Control Samples
0712491 and 0712517	A-01, A-02, and A-03	None	None

Dear Mr. Webster:

The Tetra Tech Superfund Technical Assessment and Response Team (START) conducted data validation of the analytical results for three air samples that were collected at the Circle Environmental No. 1 Site in Dawson, Georgia, on December 19, 2007. The samples were analyzed under laboratory work order Nos. 0712491 and 0712517 by Air Toxics LTD. (Air Toxics), of Folsom, California. The samples were analyzed for TCL VOCs by EPA Method TO-15 under work order No. 0712517 and TCL SVOCs by EPA Method TO-13A under work order No. 0712491.

Analytical data were evaluated in general accordance with all applicable data validation guidance documents, including the following: the U.S. Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Data Review (EPA July 2007). The analytical methods used by the fixed laboratories during this project provide guidance on procedures and method acceptance criteria that, in some areas, differ from the NFG. Where the methods and the NFG differ, the data validators followed the acceptance criteria in the methods. In addition, if laboratory-derived acceptance criteria were presented in the fixed laboratory data package, then these criteria were used to evaluate the data unless the criteria were considered inadequate.

Data were evaluated based on the following criteria:

- Data Completeness
- Sample Preservation, Sample Receipt, and Holding Times
- Gas Chromatography and Mass Spectrometry (GC/MS) Instrument Performance Checks
- Initial Calibration
- Continuing Calibration
- Calibration Verification
- Laboratory Blanks
- System Monitoring Compounds (Surrogates)

1955 Evergreen Blvd., Suite 300, Duluth, GA 30096
Tel 678.775.3080 Fax 678.775.3138
www.tetratech.com

- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Laboratory Duplicate Sample Analysis
- Field Duplicates
- Laboratory Control Samples (LCS)
- Dilution by Addition of Solvent
- Dilution by Re-extraction and Reanalysis
- Internal Standards
- Target Analyte Identification
- Analyte Quantitation and Reported Detection Limits
- System Performance and Instrument Stability

The following data validation approach was used; it should meet the needs of most data uses and requirements for limits on uncertainty for decision-making using the data. This approach consisted of a review of all of the data, including the raw data. This data validation effort constituted a full validation of the data and involved a 100 percent check against applicable acceptance criteria of all quality control (QC) parameter data, including the parameters listed above. In addition, all data that pertain to analyte identification, such as chromatograms and mass spectra, were checked completely (100 percent) to evaluate the accuracy of analyte identification. This effort also involved an in-depth quantitative check of a fraction of the data; this check involved recalculation of QC results (such as percent recoveries [%R] and relative percent difference [RPD] values) and target analyte results from the raw data. Results were recalculated at a frequency of 10 percent for the data that had been transcribed and generated by hand. Results for data calculated by software were recalculated at varying frequencies and to the extent necessary to confirm the adequacy of the software. If errors or discrepancies were encountered when any data were recalculated and checked, the extent of the data check was expanded, as necessary, to identify the full extent of the problem.

Enclosure 1 presents copies of the sample analytical results sheets from the laboratory data package, with hand-entered qualifications from the data validation effort. Enclosure 2 presents the same data validation-qualified analytical results in table format.

The following sections discuss the data package and provide an overall assessment of the data. This discussion concentrates on the irregularities associated with the various parameters.

DATA COMPLETENESS

The data packages for laboratory work order Nos. 0712491 and 0712517 were complete.

SAMPLE PRESERVATION, SAMPLE RECEIPT, AND HOLDING TIMES

There were no discrepancies observed in the sample preservation, sample receipt or method-specified holding times.

GC/MS INSTRUMENT PERFORMANCE CHECKS

All GC/MS instrument performance checks for the analyses of samples for VOCs and SVOCs met the acceptance criteria.

INITIAL CALIBRATION

The initial calibrations were analyzed at the proper frequencies and concentrations and met all requirements, with the following exception. In the VOC initial calibration performed on November 24, 2007, the percent relative standard deviation values for hexachlorobutadiene and 1,2,4-trichlorobenzene

were above the QC limit of 30 percent. Therefore, the non-detect results for hexachlorobutadiene and 1,2,4-trichlorobenzene were qualified as estimated (flagged "UJ") for all samples.

CONTINUING CALIBRATION

The continuing calibrations were analyzed at the proper frequencies and concentrations and met all requirements, with the following exception. In the VOC continuing calibration performed on December 31, 2007, percent difference values for 1,4-dichlorobenzene and hexachlorobutadiene were high and exceeded the QC limit of 25 percent. Therefore, the non-detect results for 1,4-dichlorobenzene and hexachlorobutadiene were qualified as estimated (flagged "UJ") for all samples.

CALIBRATION VERIFICATION

The second source calibration verifications for the organic analyses were analyzed at the proper frequencies and concentrations and met all requirements, with the following exception. In the VOC calibration verification performed on November 25, 2007, the recovery value for Freon 113 was biased high and exceeded the specified QC limits of 70 to 130 percent. No qualifications were warranted, because Freon 113 was not detected in the associated samples.

LABORATORY BLANKS

Method blanks were free of target analytes.

SYSTEM MONITORING COMPOUNDS (SURROGATES)

All surrogate recoveries were within the laboratory-specified control limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATES

MS/MSD analyses were not performed on the air samples. No qualifications were applied for this data omission.

LABORATORY DUPLICATE SAMPLE ANALYSIS

Laboratory duplicate sample analyses were performed on sample A-01 for both VOC and SVOC analyses. All RPDs were less than 15 percent with one exception. A low-level concentration of tetrachloroethene was detected in the laboratory duplicate, but not in the original sample. No qualifications were warranted for this irregularity.

FIELD DUPLICATES

No field duplicates were provided with the samples.

LABORATORY CONTROL SAMPLES

All LCS results were within the QC limits.

DILUTION BY ADDITION OF SOLVENT

No analyses required dilution by addition of solvent.

DILUTION BY RE-EXTRACTION AND REANALYSIS

No samples required dilution by re-extraction and reanalysis.

INTERNAL STANDARDS

For the VOC and SVOC analyses, the internal standard area counts and retention times in the samples were within QC limits established using the associated continuing calibration standard data.

TARGET ANALYTE IDENTIFICATION

The relative retention times (RRT) of the reported compounds in the VOC and SVOC analyses were within ±0.06 RRT units of the standard RRTs. For each detected analyte in the VOC and SVOC analyses, all ions present in the standard mass spectrum at a relative intensity greater than 10 percent were present in the sample spectrum and agreed within ±20 percent between the standard and sample spectra.

ANALYTE QUANTITATION AND REPORTED DETECTION LIMITS

Sample results were checked for proper dilution factors, volumes, masses, and adjustments for moisture content. Sample results and reporting limits were correctly calculated. No sample results less than the laboratory reporting limits (RL), but greater than the method detection limits (MDL), were reported.

SYSTEM PERFORMANCE AND INSTRUMENT STABILITY

No signs of degraded instrument performance were observed. Analytical systems were judged to have been within control and stable during the analyses.

OVERALL ASSESSMENT OF DATA

The overall quality of this data package was acceptable. No rejection of data was required for this data validation report. The data validation flags required due to estimation of data are detailed below. All data can be used as qualified for any purpose.

Sample Designation	Flag	Analysis	Parameter	Reason
A-01, A-02, A-03	UJ	VOCs	Hexachlorobutadiene; 1,2,4-Trichlorobenzene	Initial calibration exceedances
A-01, A-02, A-03	UJ	VOCs	1,4-Dichlorobenzene; Hexachlorobutadiene	Continuing calibration exceedances

Please call me at (678) 775-3104 if you have any questions regarding this data validation report.

Sincerely,

Jessica Vickers
START III Quality Assurance Manager

Enclosures (2)

cc: Katrina Jones, EPA Project Officer
Darryl Walker, EPA Alternate Project Officer
Angel Reed, Tetra Tech START III Document Control Coordinator

ENCLOSURE 1

FIXED LABORATORY ANALYTICAL RESULTS SHEETS WITH HAND-ENTERED DATA VALIDATION QUALIFIERS FOR AIR TOXICS, LTD. REPORT NOS. 0712491 AND 0712517

(12 Pages)

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712517-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123110**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.68**	**Date of Analysis:**	**12/31/07 04:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84 U	Not Detected	4.2 U	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	13	8.0	32
2-Propanol	3.4	16	8.2	41
Carbon Disulfide	0.84 U	Not Detected	2.6 U	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
Methylene Chloride	0.84	7.0	2.9	24
Methyl tert-butyl ether	0.84 U	Not Detected	3.0 U	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Heptane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	1.0	3.2	3.9
trans-1,3-Dichloropropene	0.84 U	Not Detected	3.8 U	Not Detected

NM 1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712517-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123110**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.68**	**Date of Analysis:**	**12/31/07 04:32 PM**

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
1,1,2-Trichloroethane	0.84	U	Not Detected	4.6	U	Not Detected
Tetrachloroethene	0.84		Not Detected	5.7		Not Detected
2-Hexanone	3.4		Not Detected	14		Not Detected
Dibromochloromethane	0.84		Not Detected	7.2		Not Detected
1,2-Dibromoethane (EDB)	0.84		Not Detected	6.4		Not Detected
Chlorobenzene	0.84		Not Detected	3.9		Not Detected
Ethyl Benzene	0.84		Not Detected	3.6		Not Detected
m,p-Xylene	0.84		Not Detected	3.6		Not Detected
o-Xylene	0.84		Not Detected	3.6		Not Detected
Styrene	0.84		Not Detected	3.6		Not Detected
Bromoform	0.84		Not Detected	8.7		Not Detected
Cumene	0.84		Not Detected	4.1		Not Detected
1,1,2,2-Tetrachloroethane	0.84		Not Detected	5.8		Not Detected
Propylbenzene	0.84		Not Detected	4.1		Not Detected
4-Ethyltoluene	0.84		Not Detected	4.1		Not Detected
1,3,5-Trimethylbenzene	0.84		Not Detected	4.1		Not Detected
1,2,4-Trimethylbenzene	0.84		1.1	4.1		5.6
1,3-Dichlorobenzene	0.84	U	Not Detected	5.0	U	Not Detected
1,4-Dichlorobenzene	0.84	UJ	Not Detected	5.0	UJ	Not Detected
alpha-Chlorotoluene	0.84	U	Not Detected	4.3	U	Not Detected
1,2-Dichlorobenzene	0.84	U	Not Detected	5.0	U	Not Detected
1,2,4-Trichlorobenzene	3.4	UJ	Not Detected	25	UJ	Not Detected
Hexachlorobutadiene	3.4	UJ	Not Detected	36	UJ	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	112	70-130

UM 1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712517-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123111**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**12/31/07 05:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86 U	Not Detected	4.2 U	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	14	8.1	34
2-Propanol	3.4	17	8.4	42
Carbon Disulfide	0.86 U	Not Detected	2.7 U	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
Methylene Chloride	0.86	4.4	3.0	15
Methyl tert-butyl ether	0.86 U	Not Detected	3.1 U	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	1.0	3.2	4.0
trans-1,3-Dichloropropene	0.86 U	Not Detected	3.9 U	Not Detected

UM 1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712517-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123111**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**12/31/07 05:06 PM**

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
1,1,2-Trichloroethane	0.86	U	Not Detected	4.7	U	Not Detected
Tetrachloroethene	0.86		0.92	5.8		6.3
2-Hexanone	3.4	U	Not Detected	14	U	Not Detected
Dibromochloromethane	0.86		Not Detected	7.3		Not Detected
1,2-Dibromoethane (EDB)	0.86		Not Detected	6.6		Not Detected
Chlorobenzene	0.86		Not Detected	3.9		Not Detected
Ethyl Benzene	0.86		Not Detected	3.7		Not Detected
m,p-Xylene	0.86		0.90	3.7		3.9
o-Xylene	0.86	U	Not Detected	3.7	U	Not Detected
Styrene	0.86		Not Detected	3.6		Not Detected
Bromoform	0.86		Not Detected	8.8		Not Detected
Cumene	0.86		Not Detected	4.2		Not Detected
1,1,2,2-Tetrachloroethane	0.86		Not Detected	5.9		Not Detected
Propylbenzene	0.86		Not Detected	4.2		Not Detected
4-Ethyltoluene	0.86		Not Detected	4.2		Not Detected
1,3,5-Trimethylbenzene	0.86		Not Detected	4.2		Not Detected
1,2,4-Trimethylbenzene	0.86		1.2	4.2		5.9
1,3-Dichlorobenzene	0.86	U	Not Detected	5.1	U	Not Detected
1,4-Dichlorobenzene	0.86	UJ	Not Detected	5.1	UJ	Not Detected
alpha-Chlorotoluene	0.86	U	Not Detected	4.4	U	Not Detected
1,2-Dichlorobenzene	0.86	U	Not Detected	5.1	U	Not Detected
1,2,4-Trichlorobenzene	3.4	UJ	Not Detected	25	UJ	Not Detected
Hexachlorobutadiene	3.4	UJ	Not Detected	36	UJ	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	110	70-130

LM 1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712517-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123112**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**2.23**	**Date of Analysis:**	**12/31/07 05:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1 U	Not Detected	5.5 U	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	4.5	Not Detected	9.2	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	4.5	Not Detected	8.4	Not Detected
Freon 113	1.1	Not Detected	8.5	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.5	Not Detected	10	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	1.1	Not Detected	3.5	Not Detected
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	1.1	6.8	3.9	24
Methyl tert-butyl ether	1.1 U	Not Detected	4.0 U	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.0	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	Not Detected	4.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected

1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712517-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123112**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**2.23**	**Date of Analysis:**	**12/31/07 05:46 PM**

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
1,1,2-Trichloroethane	1.1	U	Not Detected	6.1	U	Not Detected
Tetrachloroethene	1.1		Not Detected	7.6		Not Detected
2-Hexanone	4.5		Not Detected	18		Not Detected
Dibromochloromethane	1.1		Not Detected	9.5		Not Detected
1,2-Dibromoethane (EDB)	1.1		Not Detected	8.6		Not Detected
Chlorobenzene	1.1		Not Detected	5.1		Not Detected
Ethyl Benzene	1.1		Not Detected	4.8		Not Detected
m,p-Xylene	1.1		Not Detected	4.8		Not Detected
o-Xylene	1.1		Not Detected	4.8		Not Detected
Styrene	1.1		Not Detected	4.7		Not Detected
Bromoform	1.1		Not Detected	12		Not Detected
Cumene	1.1		Not Detected	5.5		Not Detected
1,1,2,2-Tetrachloroethane	1.1		Not Detected	7.6		Not Detected
Propylbenzene	1.1		Not Detected	5.5		Not Detected
4-Ethyltoluene	1.1		Not Detected	5.5		Not Detected
1,3,5-Trimethylbenzene	1.1		Not Detected	5.5		Not Detected
1,2,4-Trimethylbenzene	1.1		Not Detected	5.5		Not Detected
1,3-Dichlorobenzene	1.1		Not Detected	6.7		Not Detected
1,4-Dichlorobenzene	1.1	UJ	Not Detected	6.7	UJ	Not Detected
alpha-Chlorotoluene	1.1	U	Not Detected	5.8	U	Not Detected
1,2-Dichlorobenzene	1.1	U	Not Detected	6.7	U	Not Detected
1,2,4-Trichlorobenzene	4.5	UJ	Not Detected	33	UJ	Not Detected
Hexachlorobutadiene	4.5	UJ	Not Detected	48	UJ	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	111	70-130

KM 1-7-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712491-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010218**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/2/08 06:32 PM**

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
Phenol	0.50	U	Not Detected	1.9	U	Not Detected
bis(2-Chloroethyl) Ether	0.066		Not Detected	0.39		Not Detected
2-Chlorophenol	0.37		Not Detected	1.9		Not Detected
1,3-Dichlorobenzene	0.065		Not Detected	0.39		Not Detected
1,4-Dichlorobenzene	0.065		0.16	0.39		0.98
1,2-Dichlorobenzene	0.065	U	Not Detected	0.39	U	Not Detected
2-Methylphenol (o-Cresol)	0.44		Not Detected	1.9		Not Detected
bis(2-Chloroisopropyl) Ether	0.056		Not Detected	0.39		Not Detected
N-Nitroso-di-n-propylamine	0.073		Not Detected	0.39		Not Detected
4-Methylphenol/3-Methylphenol	0.44		Not Detected	1.9		Not Detected
Hexachloroethane	0.040		Not Detected	0.39		Not Detected
Nitrobenzene	0.077		Not Detected	0.39		Not Detected
Isophorone	0.069		3.0	0.39		17
2-Nitrophenol	0.34	U	Not Detected	1.9	U	Not Detected
2,4-Dimethylphenol	0.39		Not Detected	1.9		Not Detected
Benzoic Acid	3.1		Not Detected	16		Not Detected
bis(2-Chloroethoxy) Methane	0.055		Not Detected	0.39		Not Detected
2,4-Dichlorophenol	0.29		Not Detected	1.9		Not Detected
1,2,4-Trichlorobenzene	0.052		Not Detected	0.39		Not Detected
Naphthalene	0.074		0.12	0.39		0.63
4-Chloroaniline	0.75	U	Not Detected	3.9	U	Not Detected
Hexachlorobutadiene	0.036		Not Detected	0.39		Not Detected
4-Chloro-3-methylphenol	0.33		Not Detected	1.9		Not Detected
2-Methylnaphthalene	0.067		Not Detected	0.39		Not Detected
Hexachlorocyclopentadiene	0.70		Not Detected	7.8		Not Detected
2,4,6-Trichlorophenol	0.24		Not Detected	1.9		Not Detected
2,4,5-Trichlorophenol	0.24		Not Detected	1.9		Not Detected
2-Chloronaphthalene	0.058		Not Detected	0.39		Not Detected
2-Nitroaniline	0.69		Not Detected	3.9		Not Detected
Dimethylphthalate	0.24		Not Detected	1.9		Not Detected
Acenaphthylene	0.062		Not Detected	0.39		Not Detected
2,6-Dinitrotoluene	0.26		Not Detected	1.9		Not Detected
3-Nitroaniline	0.69		Not Detected	3.9		Not Detected
Acenaphthene	0.062		Not Detected	0.39		Not Detected
2,4-Dinitrophenol	1.0		Not Detected	7.8		Not Detected
4-Nitrophenol	1.4		Not Detected	7.8		Not Detected
2,4-Dinitrotoluene	0.26		Not Detected	1.9		Not Detected
Dibenzofuran	0.056		Not Detected	0.39		Not Detected
Diethylphthalate	0.43		Not Detected	3.9		Not Detected

1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712491-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010218**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 06:32 PM**	

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
Fluorene	0.057	U	Not Detected	0.39	U	Not Detected
4-Chlorophenyl-phenyl Ether	0.046		Not Detected	0.39		Not Detected
4-Nitroaniline	0.69		Not Detected	3.9		Not Detected
4,6-Dinitro-2-methylphenol	0.48		Not Detected	3.9		Not Detected
N-Nitrosodiphenylamine	0.48		Not Detected	3.9		Not Detected
4-Bromophenyl-phenyl Ether	0.038		Not Detected	0.39		Not Detected
Hexachlorobenzene	0.033		Not Detected	0.39		Not Detected
Pentachlorophenol	0.71		Not Detected	7.8		Not Detected
Phenanthrene	0.053		Not Detected	0.39		Not Detected
Anthracene	0.053		Not Detected	0.39		Not Detected
di-n-Butylphthalate	0.17		0.22	1.9		2.4
Fluoranthene	0.047	U	Not Detected	0.39	U	Not Detected
Pyrene	0.047		Not Detected	0.39		Not Detected
Butylbenzylphthalate	0.15		Not Detected	1.9		Not Detected
3,3'-Dichlorobenzidine	0.75		Not Detected	7.8		Not Detected
Chrysene	0.042		Not Detected	0.39		Not Detected
Benzo(a)anthracene	0.042		Not Detected	0.39		Not Detected
bis(2-Ethylhexyl)phthalate	0.12		Not Detected	1.9		Not Detected
Di-n-Octylphthalate	0.12		Not Detected	1.9		Not Detected
Benzo(b)fluoranthene	0.038		Not Detected	0.39		Not Detected
Benzo(k)fluoranthene	0.038		Not Detected	0.39		Not Detected
Benzo(a)pyrene	0.038		Not Detected	0.39		Not Detected
Indeno(1,2,3-c,d)pyrene	0.038		Not Detected	0.39		Not Detected
Dibenz(a,h)anthracene	0.034		Not Detected	0.39		Not Detected
Benzo(g,h,i)perylene	0.034		Not Detected	0.39		Not Detected

Air Sample Volume(L): 2570

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	76	50-150
Phenol-d5	79	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	71	50-150
Fluorene-d10	85	60-120
Pyrene-d10	79	60-120

1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712491-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010220**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/2/08 07:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.50	Not Detected	1.9	Not Detected
bis(2-Chloroethyl) Ether	0.065	Not Detected	0.38	Not Detected
2-Chlorophenol	0.36	Not Detected	1.9	Not Detected
1,3-Dichlorobenzene	0.064	Not Detected	0.38	Not Detected
1,4-Dichlorobenzene	0.064	0.16	0.38	0.97
1,2-Dichlorobenzene	0.064	Not Detected	0.38	Not Detected
2-Methylphenol (o-Cresol)	0.43	Not Detected	1.9	Not Detected
bis(2-Chloroisopropyl) Ether	0.055	Not Detected	0.38	Not Detected
N-Nitroso-di-n-propylamine	0.072	Not Detected	0.38	Not Detected
4-Methylphenol/3-Methylphenol	0.43	Not Detected	1.9	Not Detected
Hexachloroethane	0.039	Not Detected	0.38	Not Detected
Nitrobenzene	0.076	Not Detected	0.38	Not Detected
Isophorone	0.068	2.9	0.38	16
2-Nitrophenol	0.34	Not Detected	1.9	Not Detected
2,4-Dimethylphenol	0.38	Not Detected	1.9	Not Detected
Benzoic Acid	3.1	Not Detected	15	Not Detected
bis(2-Chloroethoxy) Methane	0.054	Not Detected	0.38	Not Detected
2,4-Dichlorophenol	0.29	Not Detected	1.9	Not Detected
1,2,4-Trichlorobenzene	0.052	Not Detected	0.38	Not Detected
Naphthalene	0.073	0.12	0.38	0.63
4-Chloroaniline	0.73	Not Detected	3.8	Not Detected
Hexachlorobutadiene	0.036	Not Detected	0.38	Not Detected
4-Chloro-3-methylphenol	0.33	Not Detected	1.9	Not Detected
2-Methylnaphthalene	0.066	Not Detected	0.38	Not Detected
Hexachlorocyclopentadiene	0.68	Not Detected	7.6	Not Detected
2,4,6-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2,4,5-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2-Chloronaphthalene	0.057	Not Detected	0.38	Not Detected
2-Nitroaniline	0.68	Not Detected	3.8	Not Detected
Dimethylphthalate	0.24	Not Detected	1.9	Not Detected
Acenaphthylene	0.061	Not Detected	0.38	Not Detected
2,6-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
3-Nitroaniline	0.68	Not Detected	3.8	Not Detected
Acenaphthene	0.061	Not Detected	0.38	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	7.6	Not Detected
4-Nitrophenol	1.3	Not Detected	7.6	Not Detected
2,4-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
Dibenzofuran	0.056	Not Detected	0.38	Not Detected
Diethylphthalate	0.42	Not Detected	3.8	Not Detected

AM 1-29-08

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712491-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010220**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/2/08 07:31 PM**

Compound	Rpt. Limit (ppbv)		Amount (ppbv)	Rpt. Limit (uG/m3)		Amount (uG/m3)
Fluorene	0.056	U	Not Detected	0.38	U	Not Detected
4-Chlorophenyl-phenyl Ether	0.046		Not Detected	0.38		Not Detected
4-Nitroaniline	0.68		Not Detected	3.8		Not Detected
4,6-Dinitro-2-methylphenol	0.47		Not Detected	3.8		Not Detected
N-Nitrosodiphenylamine	0.47		Not Detected	3.8		Not Detected
4-Bromophenyl-phenyl Ether	0.038		Not Detected	0.38		Not Detected
Hexachlorobenzene	0.033		Not Detected	0.38		Not Detected
Pentachlorophenol	0.70		Not Detected	7.6		Not Detected
Phenanthrene	0.052		Not Detected	0.38		Not Detected
Anthracene	0.052		Not Detected	0.38		Not Detected
di-n-Butylphthalate	0.17		0.20	1.9		2.3
Fluoranthene	0.046	U	Not Detected	0.38	U	Not Detected
Pyrene	0.046		Not Detected	0.38		Not Detected
Butylbenzylphthalate	0.15		Not Detected	1.9		Not Detected
3,3'-Dichlorobenzidine	0.74		Not Detected	7.6		Not Detected
Chrysene	0.041		Not Detected	0.38		Not Detected
Benzo(a)anthracene	0.041		Not Detected	0.38		Not Detected
bis(2-Ethylhexyl)phthalate	0.12		0.18	1.9		2.9
Di-n-Octylphthalate	0.12	U	Not Detected	1.9	U	Not Detected
Benzo(b)fluoranthene	0.037		Not Detected	0.38		Not Detected
Benzo(k)fluoranthene	0.037		Not Detected	0.38		Not Detected
Benzo(a)pyrene	0.037		Not Detected	0.38		Not Detected
Indeno(1,2,3-c,d)pyrene	0.037		Not Detected	0.38		Not Detected
Dibenz(a,h)anthracene	0.034		Not Detected	0.38		Not Detected
Benzo(g,h,i)perylene	0.034		Not Detected	0.38		Not Detected

Air Sample Volume(L): 2620

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	70	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	66	50-150
Fluorene-d10	84	60-120
Pyrene-d10	87	60-120

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712491-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010221**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/2/08 08:00 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.52	Not Detected	2.0	Not Detected
bis(2-Chloroethyl) Ether	0.068	Not Detected	0.40	Not Detected
2-Chlorophenol	0.38	Not Detected	2.0	Not Detected
1,3-Dichlorobenzene	0.066	Not Detected	0.40	Not Detected
1,4-Dichlorobenzene	0.066	0.16	0.40	0.94
1,2-Dichlorobenzene	0.066	Not Detected	0.40	Not Detected
2-Methylphenol (o-Cresol)	0.45	Not Detected	2.0	Not Detected
bis(2-Chloroisopropyl) Ether	0.057	Not Detected	0.40	Not Detected
N-Nitroso-di-n-propylamine	0.075	Not Detected	0.40	Not Detected
4-Methylphenol/3-Methylphenol	0.45	Not Detected	2.0	Not Detected
Hexachloroethane	0.041	Not Detected	0.40	Not Detected
Nitrobenzene	0.079	Not Detected	0.40	Not Detected
Isophorone	0.070	Not Detected	0.40	Not Detected
2-Nitrophenol	0.35	Not Detected	2.0	Not Detected
2,4-Dimethylphenol	0.40	Not Detected	2.0	Not Detected
Benzoic Acid	3.2	Not Detected	16	Not Detected
bis(2-Chloroethoxy) Methane	0.056	Not Detected	0.40	Not Detected
2,4-Dichlorophenol	0.30	Not Detected	2.0	Not Detected
1,2,4-Trichlorobenzene	0.054	Not Detected	0.40	Not Detected
Naphthalene	0.076	Not Detected	0.40	Not Detected
4-Chloroaniline	0.76	Not Detected	4.0	Not Detected
Hexachlorobutadiene	0.037	Not Detected	0.40	Not Detected
4-Chloro-3-methylphenol	0.34	Not Detected	2.0	Not Detected
2-Methylnaphthalene	0.068	Not Detected	0.40	Not Detected
Hexachlorocyclopentadiene	0.71	Not Detected	8.0	Not Detected
2,4,6-Trichlorophenol	0.25	Not Detected	2.0	Not Detected
2,4,5-Trichlorophenol	0.25	Not Detected	2.0	Not Detected
2-Chloronaphthalene	0.060	Not Detected	0.40	Not Detected
2-Nitroaniline	0.70	Not Detected	4.0	Not Detected
Dimethylphthalate	0.25	Not Detected	2.0	Not Detected
Acenaphthylene	0.064	Not Detected	0.40	Not Detected
2,6-Dinitrotoluene	0.27	Not Detected	2.0	Not Detected
3-Nitroaniline	0.70	Not Detected	4.0	Not Detected
Acenaphthene	0.063	Not Detected	0.40	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	8.0	Not Detected
4-Nitrophenol	1.4	Not Detected	8.0	Not Detected
2,4-Dinitrotoluene	0.27	Not Detected	2.0	Not Detected
Dibenzofuran	0.058	Not Detected	0.40	Not Detected
Diethylphthalate	0.44	Not Detected	4.0	Not Detected

UM 1-22-08

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712491-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010221**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 08:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.059 U	Not Detected	0.40 U	Not Detected
4-Chlorophenyl-phenyl Ether	0.048	Not Detected	0.40	Not Detected
4-Nitroaniline	0.70	Not Detected	4.0	Not Detected
4,6-Dinitro-2-methylphenol	0.49	Not Detected	4.0	Not Detected
N-Nitrosodiphenylamine	0.49	Not Detected	4.0	Not Detected
4-Bromophenyl-phenyl Ether	0.039	Not Detected	0.40	Not Detected
Hexachlorobenzene	0.034	Not Detected	0.40	Not Detected
Pentachlorophenol	0.73	Not Detected	8.0	Not Detected
Phenanthrene	0.055	Not Detected	0.40	Not Detected
Anthracene	0.055	Not Detected	0.40	Not Detected
di-n-Butylphthalate	0.18	Not Detected	2.0	Not Detected
Fluoranthene	0.048	Not Detected	0.40	Not Detected
Pyrene	0.048	Not Detected	0.40	Not Detected
Butylbenzylphthalate	0.16	Not Detected	2.0	Not Detected
3,3'-Dichlorobenzidine	0.77	Not Detected	8.0	Not Detected
Chrysene	0.043	Not Detected	0.40	Not Detected
Benzo(a)anthracene	0.043	Not Detected	0.40	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	Not Detected	2.0	Not Detected
Di-n-Octylphthalate	0.12	Not Detected	2.0	Not Detected
Benzo(b)fluoranthene	0.039	Not Detected	0.40	Not Detected
Benzo(k)fluoranthene	0.039	Not Detected	0.40	Not Detected
Benzo(a)pyrene	0.039	Not Detected	0.40	Not Detected
Indeno(1,2,3-c,d)pyrene	0.039	Not Detected	0.40	Not Detected
Dibenz(a,h)anthracene	0.035	Not Detected	0.40	Not Detected
Benzo(g,h,i)perylene	0.035	Not Detected	0.40	Not Detected

Air Sample Volume(L): 2510

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	70	50-150
Phenol-d5	75	50-150
Nitrobenzene-d5	76	50-150
2,4,6-Tribromophenol	61	50-150
Fluorene-d10	78	60-120
Pyrene-d10	80	60-120

1/9/08

ENCLOSURE 2

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS FOR AIR TOXICS, LTD. REPORT NOS. 0712491 AND 0712517

(3 Pages)

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR AIR TOXICS, LTD. REPORT NO. 0712491 AND 0712517

Sample Designation:	**A-01 (interior-west end)**		**A-02 (interior-east end)**		**A-03 (exterior)**	
Sample Collection Date:	**19-Dec-07**		**19-Dec-07**		**19-Dec-07**	
Volatile Organic Compounds	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
1,1,1-Trichloroethane	0.84 U	4.6 U	0.86 U	4.7 U	1.1 U	6.1 U
1,1,2,2-Tetrachloroethane	0.84 U	5.8 U	0.86 U	5.9 U	1.1 U	7.6 U
1,1,2-Trichloroethane	0.84 U	4.6 U	0.86 U	4.7 U	1.1 U	6.1 U
1,1-Dichloroethane	0.84 U	3.4 U	0.86 U	3.5 U	1.1 U	4.5 U
1,1-Dichloroethene	0.84 U	3.3 U	0.86 U	3.4 U	1.1 U	4.4 U
1,2,4-Trichlorobenzene	3.4 UJ	25 UJ	3.4 UJ	25 UJ	4.5 UJ	33 UJ
1,2,4-Trimethylbenzene	**1.1**	**5.6**	**1.2**	**5.9**	1.1 U	5.5 U
1,2-Dibromoethane (EDB)	0.84 U	6.4 U	0.86 U	6.6 U	1.1 U	8.6 U
1,2-Dichlorobenzene	0.84 U	5.0 U	0.86 U	5.1 U	1.1 U	6.7 U
1,2-Dichloroethane	0.84 U	3.4 U	0.86 U	3.5 U	1.1 U	4.5 U
1,2-Dichloropropane	0.84 U	3.9 U	0.86 U	4.0 U	1.1 U	5.2 U
1,3,5-Trimethylbenzene	0.84 U	4.1 U	0.86 U	4.2 U	1.1 U	5.5 U
1,3-Butadiene	0.84 U	1.8 U	0.86 U	1.9 U	1.1 U	2.5 U
1,3-Dichlorobenzene	0.84 U	5.0 U	0.86 U	5.1 U	1.1 U	6.7 U
1,4-Dichlorobenzene	0.84 UJ	5.0 UJ	0.86 UJ	5.1 UJ	1.1 UJ	6.7 UJ
1,4-Dioxane	3.4 U	12 U	3.4 U	12 U	4.5 U	16 U
2,2,4-Trimethylpentane	0.84 U	3.9 U	0.86 U	4.0 U	1.1 U	5.2 U
2-Butanone (Methyl ethyl ketone)	0.84 U	2.5 U	0.86 U	2.5 U	1.1 U	3.3 U
2-Hexanone	3.4 U	14 U	3.4 U	14 U	4.5 U	18 U
2-Propanol	**16**	**41**	**17**	**42**	4.5 U	11 U
3-Chloropropene	3.4 U	10 U	3.4 U	11 U	4.5 U	14 U
4-Ethyltoluene	0.84 U	4.1 U	0.86 U	4.2 U	1.1 U	5.5 U
4-Methyl-2-pentanone	0.84 U	3.4 U	0.86 U	3.5 U	1.1 U	4.6 U
Acetone	**13**	**32**	**14**	**34**	4.5 U	10 U
alpha-Chlorotoluene	0.84 U	4.3 U	0.86 U	4.4 U	1.1 U	5.8 U
Benzene	0.84 U	2.7 U	0.86 U	2.7 U	1.1 U	3.6 U
Bromodichloromethane	0.84 U	5.6 U	0.86 U	5.7 U	1.1 U	7.5 U
Bromoform	0.84 U	8.7 U	0.86 U	8.8 U	1.1 U	12 U
Bromomethane	0.84 U	3.3 U	0.86 U	3.3 U	1.1 U	4.3 U
Carbon Disulfide	0.84 U	2.6 U	0.86 U	2.7 U	1.1 U	3.5 U
Carbon Tetrachloride	0.84 U	5.3 U	0.86 U	5.4 U	1.1 U	7.0 U
Chlorobenzene	0.84 U	3.9 U	0.86 U	3.9 U	1.1 U	5.1 U
Chloroethane	0.84 U	2.2 U	0.86 U	2.2 U	1.1 U	2.9 U
Chloroform	0.84 U	4.1 U	0.86 U	4.2 U	1.1 U	5.4 U
Chloromethane	3.4 U	6.9 U	3.4 U	7.1 U	4.5 U	9.2 U
cis-1,2-Dichloroethene	0.84 U	3.3 U	0.86 U	3.4 U	1.1 U	4.4 U
cis-1,3-Dichloropropene	0.84 U	3.8 U	0.86 U	3.9 U	1.1 U	5.1 U
Cumene	0.84 U	4.1 U	0.86 U	4.2 U	1.1 U	5.5 U
Cyclohexane	0.84 U	2.9 U	0.86 U	2.9 U	1.1 U	3.8 U
Dibromochloromethane	0.84 U	7.2 U	0.86 U	7.3 U	1.1 U	9.5 U
Ethanol	3.4 U	6.3 U	3.4 U	6.4 U	4.5 U	8.4 U
Ethyl Benzene	0.84 U	3.6 U	0.86 U	3.7 U	1.1 U	4.8 U
Freon 11	0.84 U	4.7 U	0.86 U	4.8 U	1.1 U	6.3 U
Freon 113	0.84 U	6.4 U	0.86 U	6.6 U	1.1 U	8.5 U
Freon 114	0.84 U	5.9 U	0.86 U	6.0 U	1.1 U	7.8 U
Freon 12	0.84 U	4.2 U	0.86 U	4.2 U	1.1 U	5.5 U
Heptane	0.84 U	3.4 U	0.86 U	3.5 U	1.1 U	4.6 U
Hexachlorobutadiene	3.4 UJ	36 UJ	3.4 UJ	36 UJ	4.5 UJ	48 UJ
Hexane	0.84 U	3.0 U	0.86 U	3.0 U	1.1 U	3.9 U
m,p-Xylene	0.84 U	3.6 U	**0.90**	**3.9**	1.1 U	4.8 U
Methyl tert-butyl ether	0.84 U	3.0 U	0.86 U	3.1 U	1.1 U	4.0 U
Methylene Chloride	**7.0**	**24**	**4.4**	**15**	**6.8**	**24**
o-Xylene	0.84 U	3.6 U	0.86 U	3.7 U	1.1 U	4.8 U
Propylbenzene	0.84 U	4.1 U	0.86 U	4.2 U	1.1 U	5.5 U
Styrene	0.84 U	3.6 U	0.86 U	3.6 U	1.1 U	4.7 U
Tetrachloroethene	0.84 U	5.7 U	**0.92**	**6.3**	1.1 U	7.6 U

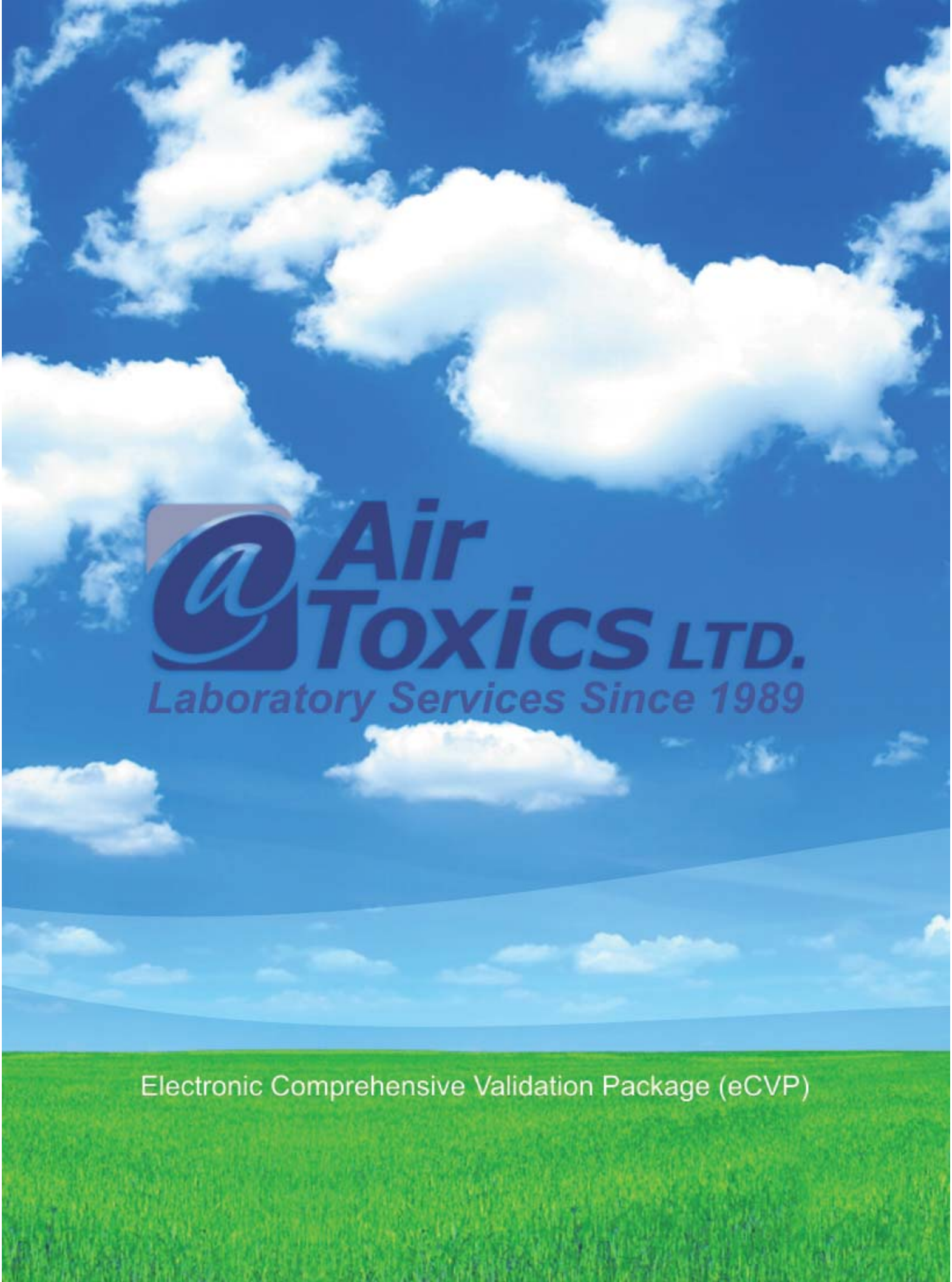
DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR AIR TOXICS, LTD. REPORT NO. 0712491 AND 0712517

Sample Designation:	**A-01 (interior-west end)**		**A-02 (interior-east end)**		**A-03 (exterior)**	
Sample Collection Date:	**19-Dec-07**		**19-Dec-07**		**19-Dec-07**	
Volatile Organic Compounds (cont'd)	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
Tetrahydrofuran	0.84 U	2.5 U	0.86 U	2.5 U	1.1 U	3.3 U
Toluene	**1.0**	**3.9**	**1.0**	**4.0**	1.1 U	4.2 U
trans-1,2-Dichloroethene	0.84 U	3.3 U	0.86 U	3.4 U	1.1 U	4.4 U
trans-1,3-Dichloropropene	0.84 U	3.8 U	0.86 U	3.9 U	1.1 U	5.1 U
Trichloroethene	0.84 U	4.5 U	0.86 U	4.6 U	1.1 U	6.0 U
Vinyl Chloride	0.84 U	2.1 U	0.86 U	2.2 U	1.1 U	2.8 U
Semivolatile Organic Compounds	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
1,2,4-Trichlorobenzene	0.052 U	0.39 U	0.052 U	0.38 U	0.054 U	0.40 U
1,2-Dichlorobenzene	0.065 U	0.39 U	0.064 U	0.38 U	0.066 U	0.40 U
1,3-Dichlorobenzene	0.065 U	0.39 U	0.064 U	0.38 U	0.066 U	0.40 U
1,4-Dichlorobenzene	**0.16**	**0.98**	**0.16**	**0.97**	**0.16**	**0.94**
2,4,5-Trichlorophenol	0.24 U	1.9 U	0.24 U	1.9 U	0.25 U	2.0 U
2,4,6-Trichlorophenol	0.24 U	1.9 U	0.24 U	1.9 U	0.25 U	2.0 U
2,4-Dichlorophenol	0.29 U	1.9 U	0.29 U	1.9 U	0.30 U	2.0 U
2,4-Dimethylphenol	0.39 U	1.9 U	0.38 U	1.9 U	0.40 U	2.0 U
2,4-Dinitrophenol	1.0 U	7.8 U	1.0 U	7.6 U	1.0 U	8.0 U
2,4-Dinitrotoluene	0.26 U	1.9 U	0.26 U	1.9 U	0.27 U	2.0 U
2,6-Dinitrotoluene	0.26 U	1.9 U	0.26 U	1.9 U	0.27 U	2.0 U
2-Chloronaphthalene	0.058 U	0.39 U	0.057 U	0.38 U	0.060 U	0.40 U
2-Chlorophenol	0.37 U	1.9 U	0.36 U	1.9 U	0.38 U	2.0 U
2-Methylnaphthalene	0.067 U	0.39 U	0.066 U	0.38 U	0.068 U	0.40 U
2-Methylphenol (o-Cresol)	0.44 U	1.9 U	0.43 U	1.9 U	0.45 U	2.0 U
2-Nitroaniline	0.69 U	3.9 U	0.68 U	3.8 U	0.70 U	4.0 U
2-Nitrophenol	0.34 U	1.9 U	0.34 U	1.9 U	0.35 U	2.0 U
3,3'-Dichlorobenzidine	0.75 U	7.8 U	0.74 U	7.6 U	0.77 U	8.0 U
3-Nitroaniline	0.69 U	3.9 U	0.68 U	3.8 U	0.70 U	4.0 U
4,6-Dinitro-2-methylphenol	0.48 U	3.9 U	0.47 U	3.8 U	0.49 U	4.0 U
4-Bromophenyl-phenyl Ether	0.038 U	0.39 U	0.038 U	0.38 U	0.039 U	0.40 U
4-Chloro-3-methylphenol	0.33 U	1.9 U	0.33 U	1.9 U	0.34 U	2.0 U
4-Chloroaniline	0.75 U	3.9 U	0.73 U	3.8 U	0.76 U	4.0 U
4-Chlorophenyl-phenyl Ether	0.046 U	0.39 U	0.046 U	0.38 U	0.048 U	0.40 U
4-Methylphenol/3-Methylphenol	0.44 U	1.9 U	0.43 U	1.9 U	0.45 U	2.0 U
4-Nitroaniline	0.69 U	3.9 U	0.68 U	3.8 U	0.70 U	4.0 U
4-Nitrophenol	1.4 U	7.8 U	1.3 U	7.6 U	1.4 U	8.0 U
Acenaphthene	0.062 U	0.39 U	0.061 U	0.38 U	0.063 U	0.40 U
Acenaphthylene	0.062 U	0.39 U	0.061 U	0.38 U	0.064 U	0.40 U
Anthracene	0.053 U	0.39 U	0.052 U	0.38 U	0.055 U	0.40 U
Benzo(a)anthracene	0.042 U	0.39 U	0.041 U	0.38 U	0.043 U	0.40 U
Benzo(a)pyrene	0.038 U	0.39 U	0.037 U	0.38 U	0.039 U	0.40 U
Benzo(b)fluoranthene	0.038 U	0.39 U	0.037 U	0.38 U	0.039 U	0.40 U
Benzo(g,h,i)perylene	0.034 U	0.39 U	0.034 U	0.38 U	0.035 U	0.40 U
Benzo(k)fluoranthene	0.038 U	0.39 U	0.037 U	0.38 U	0.039 U	0.40 U
Benzoic acid	3.1 U	16 U	3.1 U	15 U	3.2 U	16 U
bis(2-Chloroethoxy) Methane	0.055 U	0.39 U	0.054 U	0.38 U	0.056 U	0.40 U
bis(2-Chloroethyl) Ether	0.066 U	0.39 U	0.065 U	0.38 U	0.068 U	0.40 U
bis(2-Chloroisopropyl) Ether	0.056 U	0.39 U	0.055 U	0.38 U	0.057 U	0.40 U
bis(2-Ethylhexyl)phthalate	0.12 U	1.9 U	**0.18**	**2.9**	0.12 U	2.0 U
Butylbenzylphthalate	0.15 U	1.9 U	0.15 U	1.9 U	0.16 U	2.0 U
Chrysene	0.042 U	0.39 U	0.041 U	0.38 U	0.043 U	0.40 U
Dibenz(a,h)anthracene	0.034 U	0.39 U	0.034 U	0.38 U	0.035 U	0.40 U
Dibenzofuran	0.056 U	0.39 U	0.056 U	0.38 U	0.058 U	0.40 U
Diethylphthalate	0.43 U	3.9 U	0.42 U	3.8 U	0.44 U	4.0 U
Dimethylphthalate	0.24 U	1.9 U	0.24 U	1.9 U	0.25 U	2.0 U
Di-n-butylphthalate	**0.22**	**2.4**	**0.20**	**2.3**	0.18 U	2.0 U
Di-n-octylphthalate	0.12 U	1.9 U	0.12 U	1.9 U	0.12 U	2.0 U

DATA VALIDATION-QUALIFIED FIXED LABORATORY ANALYTICAL RESULTS
FOR AIR TOXICS, LTD. REPORT NO. 0712491 AND 0712517

Sample Designation:	**A-01 (interior-west end)**		**A-02 (interior-east end)**		**A-03 (exterior)**	
Sample Collection Date:	**19-Dec-07**		**19-Dec-07**		**19-Dec-07**	
Fluoranthene	0.047 U	0.39 U	0.046 U	0.38 U	0.048 U	0.40 U
Semivolatile Organic Compounds (cont'd)	ppbv	µg/m^3	ppbv	µg/m^3	ppbv	µg/m^3
Fluorene	0.057 U	0.39 U	0.056 U	0.38 U	0.059 U	0.40 U
Hexachlorobenzene	0.033 U	0.39 U	0.033 U	0.38 U	0.034 U	0.40 U
Hexachlorobutadiene	0.036 U	0.39 U	0.036 U	0.38 U	0.037 U	0.40 U
Hexachlorocyclopentadiene	0.70 U	7.8 U	0.68 U	7.6 U	0.71 U	8.0 U
Hexachloroethane	0.040 U	0.39 U	0.039 U	0.38 U	0.041 U	0.40 U
Indeno(1,2,3-c,d)pyrene	0.038 U	0.39 U	0.037 U	0.38 U	0.039 U	0.40 U
Isophorone	**3.0**	**17**	**2.9**	**16**	0.070 U	0.40 U
Naphthalene	**0.12**	**0.63**	**0.12**	**0.63**	0.076 U	0.40 U
Nitrobenzene	0.077 U	0.39 U	0.076 U	0.38 U	0.079 U	0.40 U
N-Nitroso-di-n-propylamine	0.073 U	0.39 U	0.072 U	0.38 U	0.075 U	0.40 U
N-Nitrosodiphenylamine	0.48 U	3.9 U	0.47 U	3.8 U	0.49 U	4.0 U
Pentachlorophenol	0.71 U	7.8 U	0.70 U	7.6 U	0.73 U	8.0 U
Phenanthrene	0.053 U	0.39 U	0.052 U	0.38 U	0.055 U	0.40 U
Phenol	0.50 U	1.9 U	0.50 U	1.9 U	0.52 U	2.0 U
Pyrene	0.047 U	0.39 U	0.046 U	0.38 U	0.048 U	0.40 U

Notes:
ppbv = Parts per million by volume
µg/m^3 = Micrograms per cubic meter
J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected at or above the associated value.
UJ = The analyte was analyzed for, but was not detected at or above the associated value, which is considered approximate due to deficiencies in one or more quality control criteria.


Air
Toxics LTD.
Laboratory Services Since 1989
Electronic Comprehensive Validation Package (eCVP)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-13A

INVENTORY SHEET

Work Order #: 0712491

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	55
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	56	64
b. Surrogate Recover Summary Form (If Applicable)	65	66
c. Internal Standard Summary Form (If Applicable)	67	68
d. Duplicate Results Summary Sheet	69	70
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	71	222
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	223	230
i. Second Source LCS(Summary + Raw Data)	231	248
j. Extraction Logs	249	249
k. Instrument Run Logs/Software Verification	250	250
l. GC/MS Tune (Results + Raw Data)	251	260
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	261	262
b. Chain-of-Custody Records	263	263
c. Sample Log-In Sheet	264	264
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	265	265
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	266	268
c. Manual Calculations	--	--
d. Canister Dilution Factors	--	--
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	269	270
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	271	271

Comments:

Completed by:

Kara McKiernan Kara McKiernan / Document Control 1/16/08

(Signature) (Print Name & Title) (Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0712491

Work Order Summary

CLIENT:	Ms. Jessica Vickers Tetra Tech EM, Inc. 1955 Evergreen Blvd. Bldg. 200, Suite 300 Duluth, GA 30096	**BILL TO:**	Ms. Jessica Vickers Tetra Tech EM, Inc. 1955 Evergreen Blvd. Bldg. 200, Suite 300 Duluth, GA 30096
PHONE:	678-775-3080	**P.O. #**	
FAX:		**PROJECT #**	Tetra Tech-Circle Environmental #1
DATE RECEIVED:	12/22/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	01/08/2008		

FRACTION #	NAME	TEST
01A	A-01 (interior-west end)	Modified TO-13A
01AA	A-01 (interior-west end) Lab Duplicate	Modified TO-13A
02A	A-02 (interior-east end)	Modified TO-13A
03A	A-03 (exterior)	Modified TO-13A
04A	Lab Blank	Modified TO-13A
05A	LCS	Modified TO-13A

CERTIFIED BY: Linda D. Fruman DATE: 01/08/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-13A
Tetra Tech EM, Inc.
Workorder# 0712491

Three PUF/XAD Cartridge-Low Volume samples were received on December 22, 2007. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD Cartridge-Low Volume samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

Method modifications taken to run these samples include:

Requirement	*TO-13A*	*ATL Modifications*
Extraction Solvent	10% ether in hexane for PUF; DCM for XAD sorbent. Final extract in hexane.	DCM for PUF/XAD cartridge and XAD sorbent. Final extract in DCM.
Glassware Cleaning	Muffle furnace is utilized.	Solvent cleaning procedure is used.
Extraction technique	Soxhlet extraction	Soxhlet extraction or pressurized fluid extraction (PFE).
Calibration range	0.10 to 2.5 ug/mL	1.0 ug/mL to 160 ug/mL
Field surrogates	Deuterated PAHs are spiked on media prior to sampling.	Performed by client request only.
Solvent Process Blank	Required each analytical batch.	Not performed; each solvent lot is certified prior to use.
Method Blank	<Method Detection Limit	<Reporting Limit

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Sampling volume was supplied by the client. A sample volume of 2,700 L was assumed for all QC samples.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
E - Exceeds instrument calibration range.
Q - Exceeds quality control limits.
S - Saturated peak.
J - Estimated value.
B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
U - Compound analyzed for but not detected above the reporting limit.

0002

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
A-01 (interior-west end)	0712491-01A	12/19/2007	12/22/2007	12/26/2007	7	1/ 2/2008	7	Good
A-01 (interior-west end) La	0712491-01AA	12/19/2007	12/22/2007	12/26/2007	7	1/ 2/2008	7	Good
A-02 (interior-east end)	0712491-02A	12/19/2007	12/22/2007	12/26/2007	7	1/ 2/2008	7	Good
A-03 (exterior)	0712491-03A	12/19/2007	12/22/2007	12/26/2007	7	1/ 2/2008	7	Good
Lab Blank	0712491-04A	NA	NA	12/26/2007	NA	1/ 2/2008	7	Good
LCS	0712491-05A	NA	NA	12/26/2007	NA	1/ 2/2008	7	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712491-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,4-Dichlorobenzene	0.065	0.16	0.39	0.98
Isophorone	0.069	3.0	0.39	17
Naphthalene	0.074	0.12	0.39	0.63
di-n-Butylphthalate	0.17	0.22	1.9	2.4

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Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712491-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010218**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 06:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.50	Not Detected	1.9	Not Detected
bis(2-Chloroethyl) Ether	0.066	Not Detected	0.39	Not Detected
2-Chlorophenol	0.37	Not Detected	1.9	Not Detected
1,3-Dichlorobenzene	0.065	Not Detected	0.39	Not Detected
1,4-Dichlorobenzene	0.065	0.16	0.39	0.98
1,2-Dichlorobenzene	0.065	Not Detected	0.39	Not Detected
2-Methylphenol (o-Cresol)	0.44	Not Detected	1.9	Not Detected
bis(2-Chloroisopropyl) Ether	0.056	Not Detected	0.39	Not Detected
N-Nitroso-di-n-propylamine	0.073	Not Detected	0.39	Not Detected
4-Methylphenol/3-Methylphenol	0.44	Not Detected	1.9	Not Detected
Hexachloroethane	0.040	Not Detected	0.39	Not Detected
Nitrobenzene	0.077	Not Detected	0.39	Not Detected
Isophorone	0.069	3.0	0.39	17
2-Nitrophenol	0.34	Not Detected	1.9	Not Detected
2,4-Dimethylphenol	0.39	Not Detected	1.9	Not Detected
Benzoic Acid	3.1	Not Detected	16	Not Detected
bis(2-Chloroethoxy) Methane	0.055	Not Detected	0.39	Not Detected
2,4-Dichlorophenol	0.29	Not Detected	1.9	Not Detected
1,2,4-Trichlorobenzene	0.052	Not Detected	0.39	Not Detected
Naphthalene	0.074	0.12	0.39	0.63
4-Chloroaniline	0.75	Not Detected	3.9	Not Detected
Hexachlorobutadiene	0.036	Not Detected	0.39	Not Detected
4-Chloro-3-methylphenol	0.33	Not Detected	1.9	Not Detected
2-Methylnaphthalene	0.067	Not Detected	0.39	Not Detected
Hexachlorocyclopentadiene	0.70	Not Detected	7.8	Not Detected
2,4,6-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2,4,5-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2-Chloronaphthalene	0.058	Not Detected	0.39	Not Detected
2-Nitroaniline	0.69	Not Detected	3.9	Not Detected
Dimethylphthalate	0.24	Not Detected	1.9	Not Detected
Acenaphthylene	0.062	Not Detected	0.39	Not Detected
2,6-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
3-Nitroaniline	0.69	Not Detected	3.9	Not Detected
Acenaphthene	0.062	Not Detected	0.39	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	7.8	Not Detected
4-Nitrophenol	1.4	Not Detected	7.8	Not Detected
2,4-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
Dibenzofuran	0.056	Not Detected	0.39	Not Detected
Diethylphthalate	0.43	Not Detected	3.9	Not Detected

0007

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712491-01A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010218**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 06:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.057	Not Detected	0.39	Not Detected
4-Chlorophenyl-phenyl Ether	0.046	Not Detected	0.39	Not Detected
4-Nitroaniline	0.69	Not Detected	3.9	Not Detected
4,6-Dinitro-2-methylphenol	0.48	Not Detected	3.9	Not Detected
N-Nitrosodiphenylamine	0.48	Not Detected	3.9	Not Detected
4-Bromophenyl-phenyl Ether	0.038	Not Detected	0.39	Not Detected
Hexachlorobenzene	0.033	Not Detected	0.39	Not Detected
Pentachlorophenol	0.71	Not Detected	7.8	Not Detected
Phenanthrene	0.053	Not Detected	0.39	Not Detected
Anthracene	0.053	Not Detected	0.39	Not Detected
di-n-Butylphthalate	0.17	0.22	1.9	2.4
Fluoranthene	0.047	Not Detected	0.39	Not Detected
Pyrene	0.047	Not Detected	0.39	Not Detected
Butylbenzylphthalate	0.15	Not Detected	1.9	Not Detected
3,3'-Dichlorobenzidine	0.75	Not Detected	7.8	Not Detected
Chrysene	0.042	Not Detected	0.39	Not Detected
Benzo(a)anthracene	0.042	Not Detected	0.39	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	Not Detected	1.9	Not Detected
Di-n-Octylphthalate	0.12	Not Detected	1.9	Not Detected
Benzo(b)fluoranthene	0.038	Not Detected	0.39	Not Detected
Benzo(k)fluoranthene	0.038	Not Detected	0.39	Not Detected
Benzo(a)pyrene	0.038	Not Detected	0.39	Not Detected
Indeno(1,2,3-c,d)pyrene	0.038	Not Detected	0.39	Not Detected
Dibenz(a,h)anthracene	0.034	Not Detected	0.39	Not Detected
Benzo(g,h,i)perylene	0.034	Not Detected	0.39	Not Detected

Air Sample Volume(L): 2570

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	76	50-150
Phenol-d5	79	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	71	50-150
Fluorene-d10	85	60-120
Pyrene-d10	79	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010218.d
Lab Smp Id: 0712491-01A
Inj Date : 02-JAN-2008 18:32
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-01A;
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO13.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$	1 2-Fluorophenol	112	3.196	3.196	(0.685)	224077	38.1213	38.12
$	2 Phenol-d5	99	4.293	4.293	(0.920)	294743	39.5255	39.52
	3 Phenol*	94	Compound Not Detected.					
	4 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	5 2-Chlorophenol	128	Compound Not Detected.					
	6 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	7 1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	256212	40.0000	
	9 1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	16477	2.52065	2.521
	11 1,2-Dichlorobenzene	146	Compound Not Detected.					
	12 2-Methylphenol	108	Compound Not Detected.					
	13 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
	14 4-Methylphenol	108	Compound Not Detected.					
	15 N-Nitrosodipropylamine**	70	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT REL RT	RESPONSE	(ng)	(ug)
	16 Hexachloroethane	117	Compound Not Detected.				
$	17 Nitrobenzene-d5	82	5.421	5.421 (0.860)	290783	40.1369	40.14
	18 Nitrobenzene	77	Compound Not Detected.				
	19 Isophorone	82	5.742	5.752 (0.911)	539275	43.0827	43.08
	20 2-Nitrophenol*	139	Compound Not Detected.				
	21 2,4-Dimethylphenol	122	Compound Not Detected.				
	23 bis(2-Chloroethoxy)methane	93	Compound Not Detected.				
	24 Benzoic Acid	122	Compound Not Detected.				
	25 2,4-Dichlorophenol*	162	Compound Not Detected.				
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.				
*	27 Naphthalene-d8	136	6.301	6.301 (1.000)	672402	40.0000	
	28 Naphthalene	128	6.332	6.332 (1.005)	31456	1.62864	1.629
	29 4-Chloroaniline	127	Compound Not Detected.				
	30 Hexachlorobutadiene*	225	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol*	107	Compound Not Detected.				
	33 2-Methylnaphthalene	142	Compound Not Detected.				
	145 1-Methylnaphthalene	142	Compound Not Detected.				
	35 Hexachlorocyclopentadiene**	237	Compound Not Detected.				
	36 2,4,6-Trichlorophenol*	196	Compound Not Detected.				
	37 2,4,5-Trichlorophenol	196	Compound Not Detected.				
	39 2-Chloronaphthalene	162	Compound Not Detected.				
	40 2-Nitroaniline	65	Compound Not Detected.				
	42 Dimethylphthalate	163	Compound Not Detected.				
	45 Acenaphthylene	152	Compound Not Detected.				
	44 2,6-Dinitrotoluene	165	Compound Not Detected.				
	46 3-Nitroaniline	138	Compound Not Detected.				
*	47 Acenaphthene-d10	164	8.516	8.516 (1.000)	392275	40.0000	
	48 Acenaphthene*	154	Compound Not Detected.				
	49 2,4-Dinitrophenol**	184	Compound Not Detected.				
	50 4-Nitrophenol**	109	Compound Not Detected.				
	51 Dibenzofuran	168	Compound Not Detected.				
	52 2,4-Dinitrotoluene	165	Compound Not Detected.				
$	147 Fluorene-d10	176	9.137	9.137 (1.073)	455474	42.3241	42.32
	56 Diethylphthalate	149	Compound Not Detected.				
	57 Fluorene	166	Compound Not Detected.				
	58 4-Chlorophenyl phenyl ether	204	Compound Not Detected.				
	59 4-Nitroaniline	138	Compound Not Detected.				
	60 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.				
	61 N-nitrosodiphenylamine*	169	Compound Not Detected.				
$	62 2,4,6-Tribromophenol	330	9.489	9.489 (1.114)	59808	35.5111	35.51
	65 4-Bromophenyl phenyl ether	248	Compound Not Detected.				
	66 Hexachlorobenzene	284	Compound Not Detected.				
	68 Pentachlorophenol*	266	Compound Not Detected.				
*	71 Phenanthrene-d10	188	10.296	10.296 (1.000)	683492	40.0000	
	72 Phenanthrene	178	Compound Not Detected.				
	73 Anthracene	178	Compound Not Detected.				
	78 Di-n-butylphthalate	149	11.145	11.145 (1.082)	137206	6.29860	6.298
	80 Fluoranthene*	202	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$ 148 Pyrene-d10	212	12.045	12.045	(0.863)	624924	39.6299	39.63
81 Pyrene	202	Compound Not Detected.					
85 Butyl benzyl phthalate	149	Compound Not Detected.					
88 Benzo(a)Anthracene	228	Compound Not Detected.					
* 90 Chrysene-d12	240	13.949	13.950	(1.000)	630224	40.0000	
89 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
91 Chrysene	228	Compound Not Detected.					
93 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
94 Di-n-octyl phthalate*	149	Compound Not Detected.					
95 Benzo(b)fluoranthene	252	Compound Not Detected.					
96 Benzo(k)fluoranthene	252	Compound Not Detected.					
98 Benzo(a)pyrene*	252	Compound Not Detected.					
* 99 Perylene-d12	264	16.475	16.475	(1.000)	439304	40.0000	
103 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
104 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
105 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010218.d
Lab Smp Id: 0712491-01A
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	256212	-6.96
27 Naphthalene-d8	642799	321400	1285598	672402	4.61
47 Acenaphthene-d10	331958	165979	663916	392275	18.17
71 Phenanthrene-d10	574512	287256	1149024	683492	18.97
90 Chrysene-d12	505378	252689	1010756	630224	24.70
99 Perylene-d12	377169	188584	754338	439304	16.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 08-Jan-2008 11:20

Air Toxics Ltd.

RECOVERY REPORT

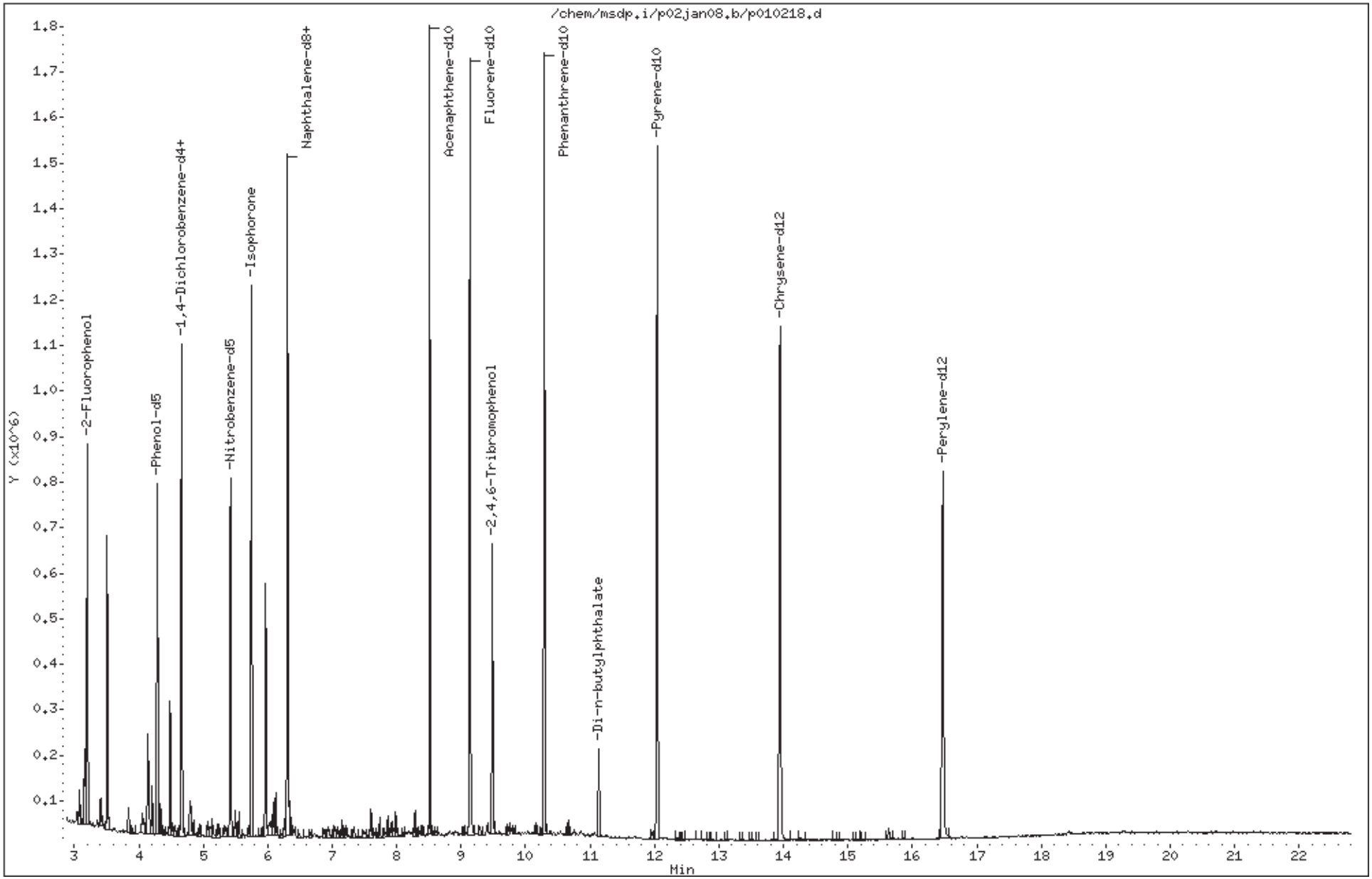
Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-01A
Level: LOW Operator: LP
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PAH100.spk Quant Type: ISTD
Sublist File: TO13.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

	SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	50.00	38.12	76.24	50-150
$ 2	Phenol-d5	50.00	39.52	79.05	50-150
$ 17	Nitrobenzene-d5	50.00	40.14	80.27	50-150
$ 147	Fluorene-d10	50.00	42.32	84.65	60-120
$ 62	2,4,6-Tribromophen	50.00	35.51	71.02	50-150
$ 148	Pyrene-d10	50.00	39.63	79.26	60-120

0014

Data File: /chem/msdp.i/p02jan08.b/p010218.d
Date : 02-JAN-2008 18:32
Client ID:
Sample Info: ;0712491-01A;
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Data File: /chem/msdp.i/p02jan08.b/p010218.d

Date : 02-JAN-2008 18:32

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01A;

Volume Injected (uL): 1.0

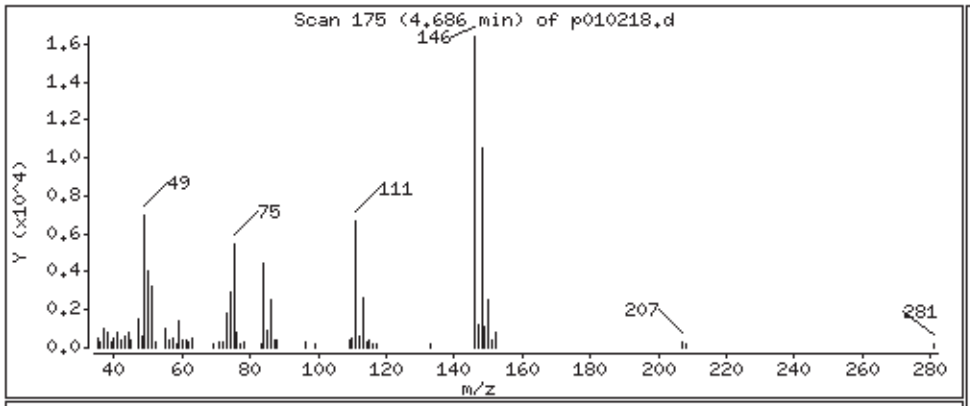
Operator: LP

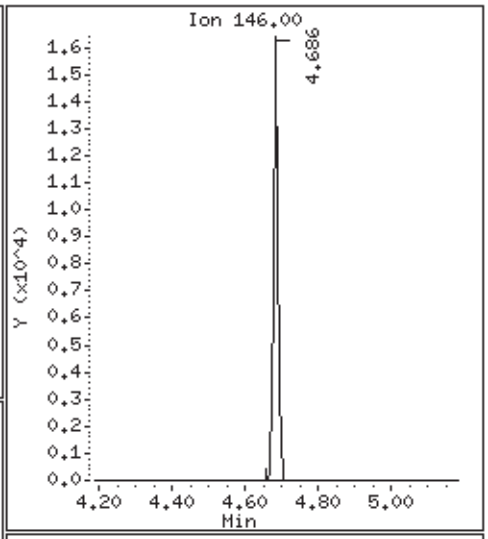
Column phase: DB-5.625

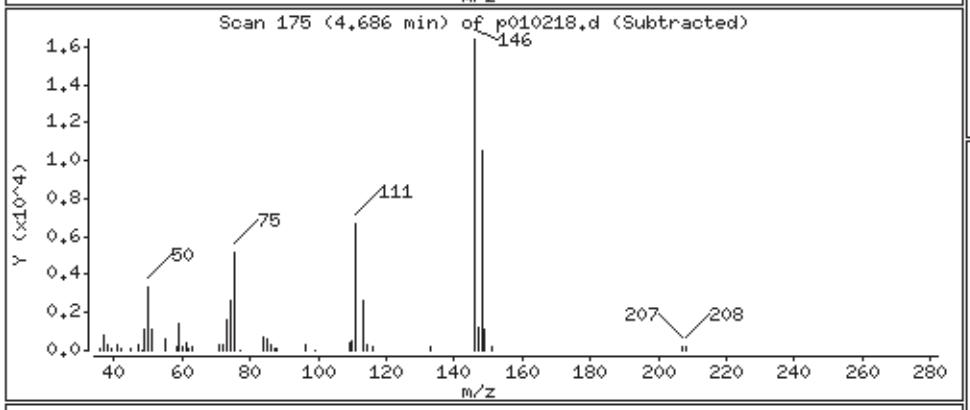
Column diameter: 0.25

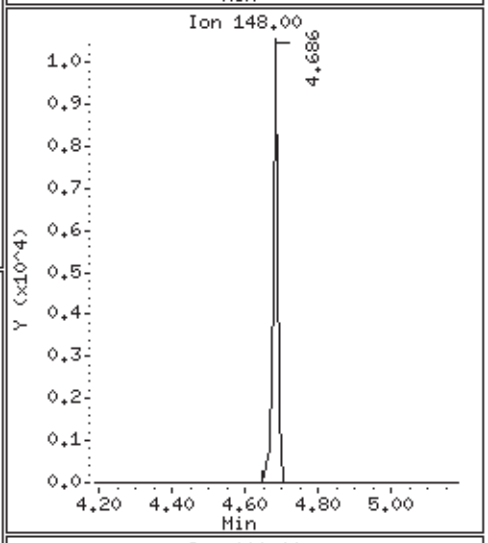
9 1,4-Dichlorobenzene*

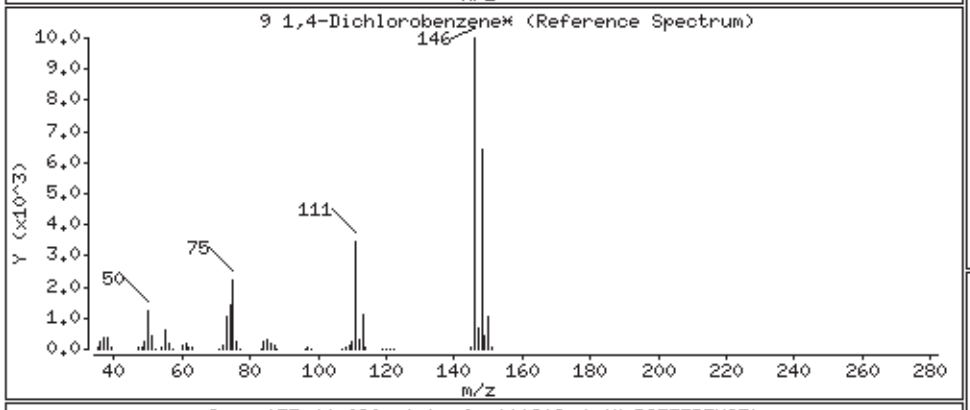
Concentration: 2.521 ug

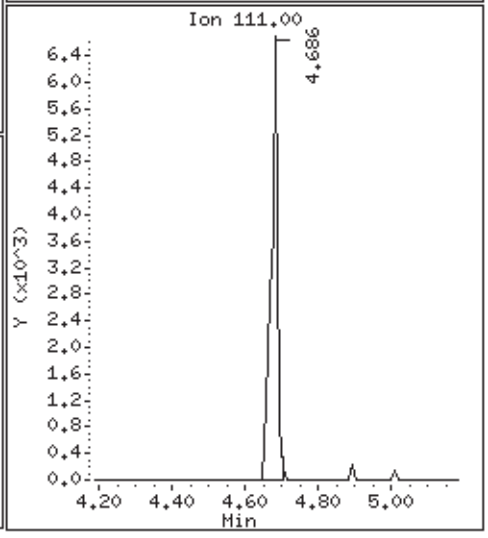


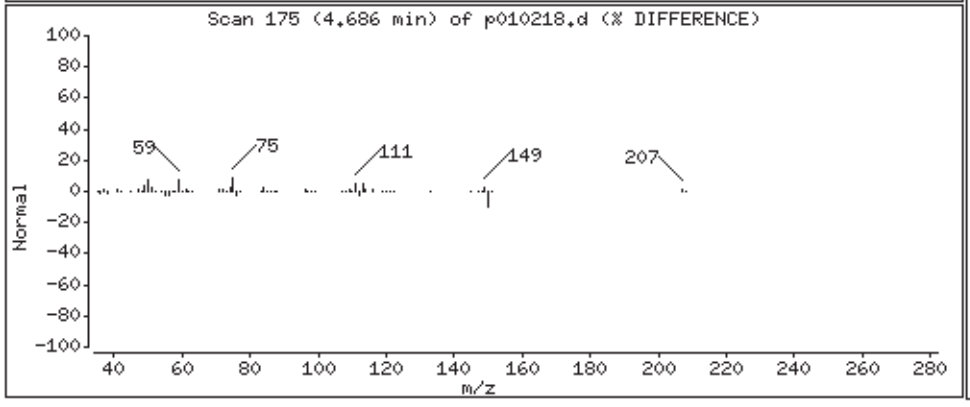












Data File: /chem/msdp.i/p02jan08.b/p010218.d

Date : 02-JAN-2008 18:32

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01A;

Volume Injected (uL): 1.0

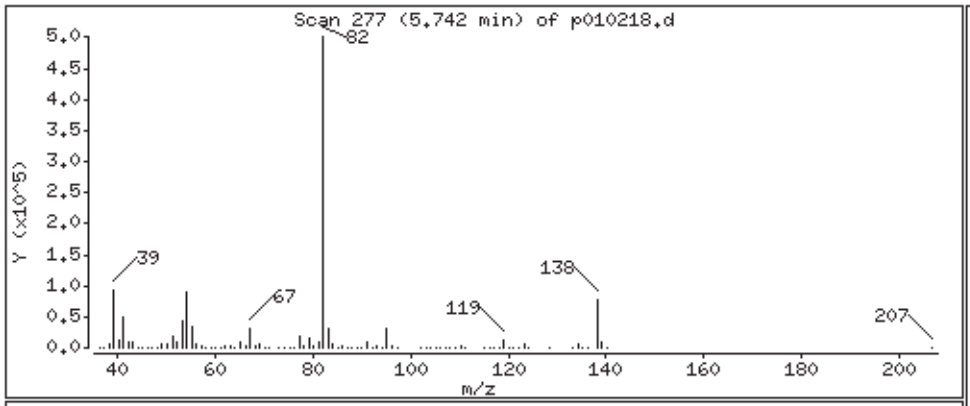
Operator: LP

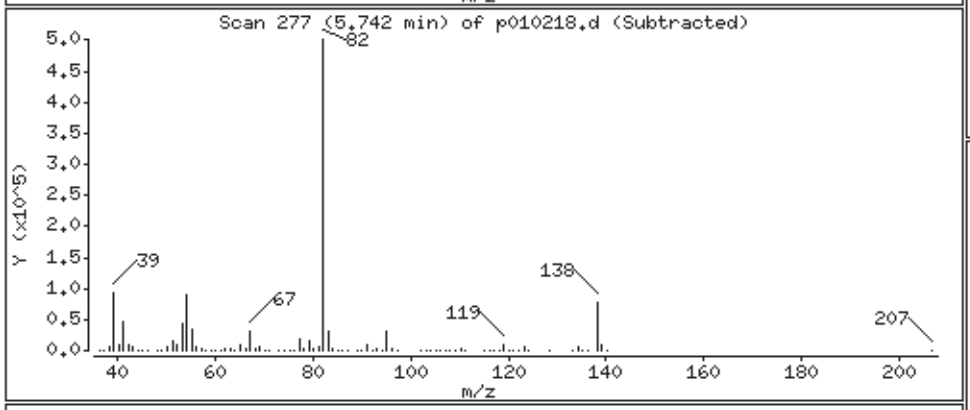
Column phase: DB-5.625

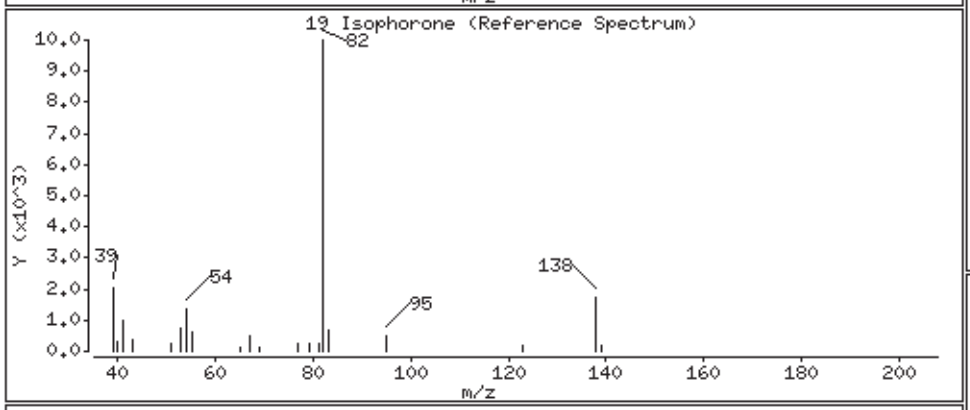
Column diameter: 0.25

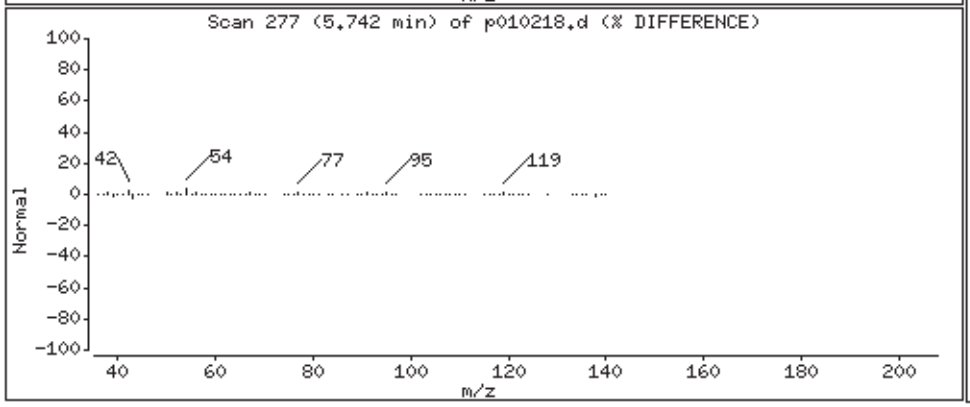
19 Isophorone

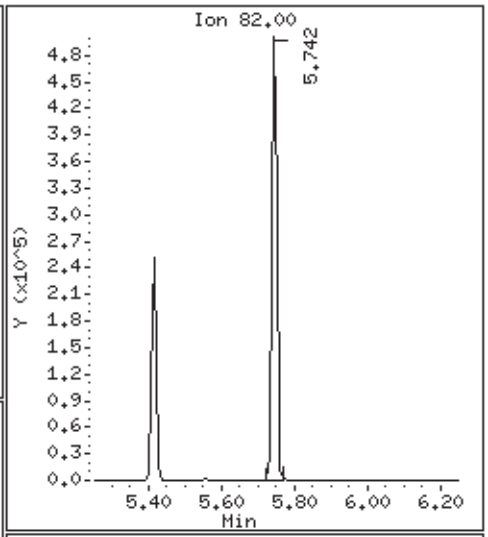
Concentration: 43.08 ug

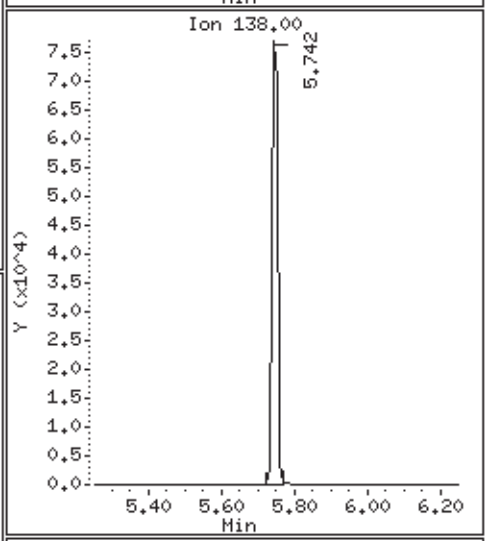


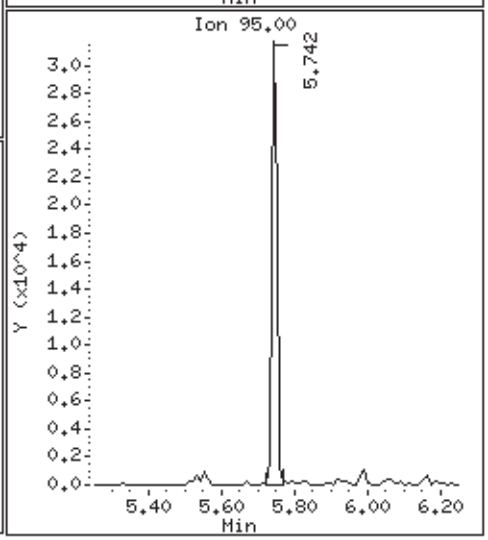












Data File: /chem/msdp.i/p02jan08.b/p010218.d

Date : 02-JAN-2008 18:32

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01A;

Volume Injected (uL): 1.0

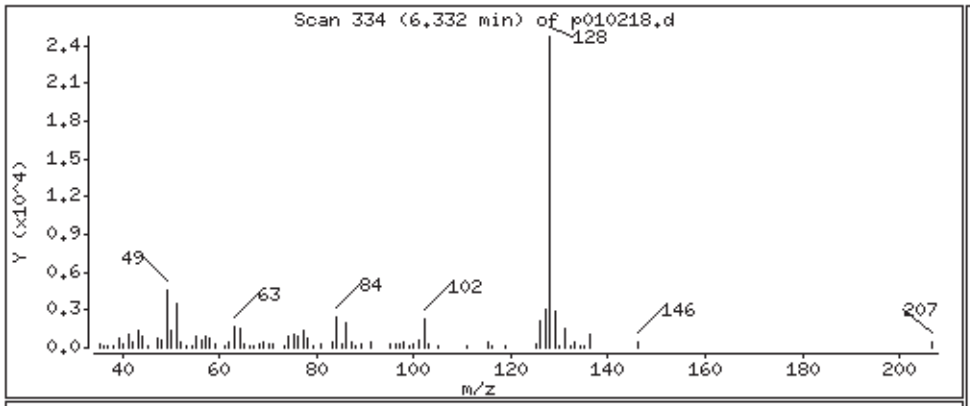
Operator: LP

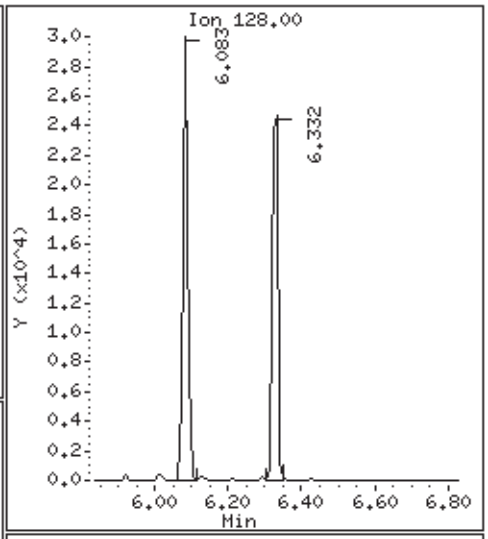
Column phase: DB-5.625

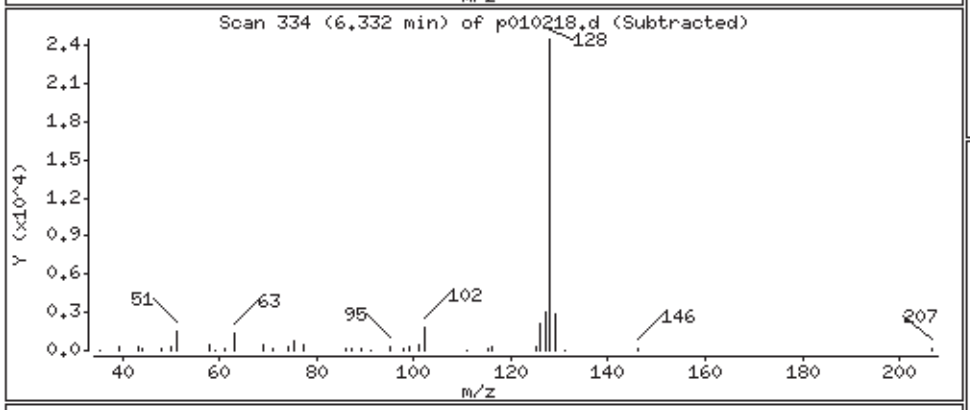
Column diameter: 0.25

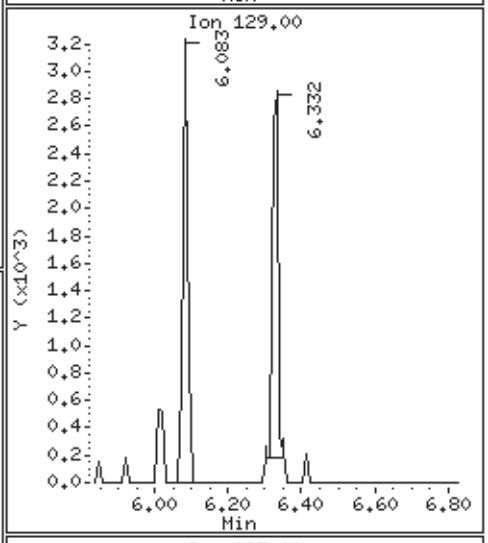
28 Naphthalene

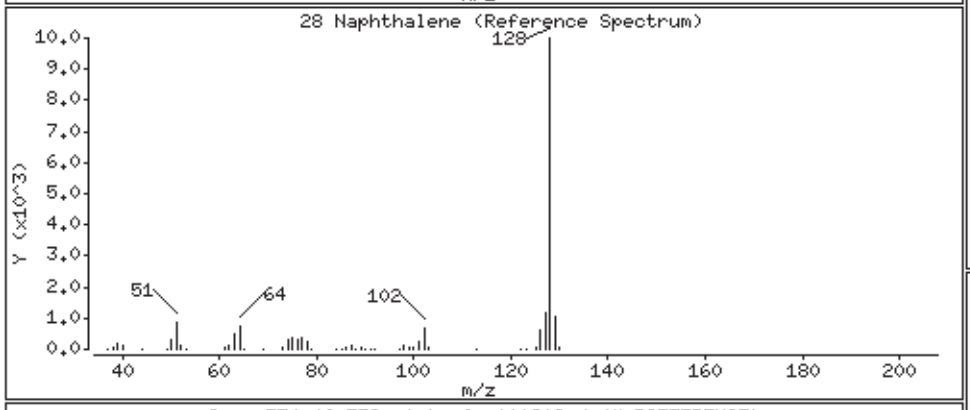
Concentration: 1.629 ug

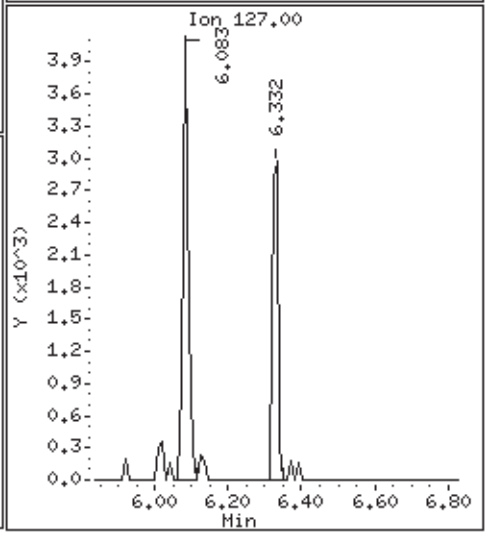


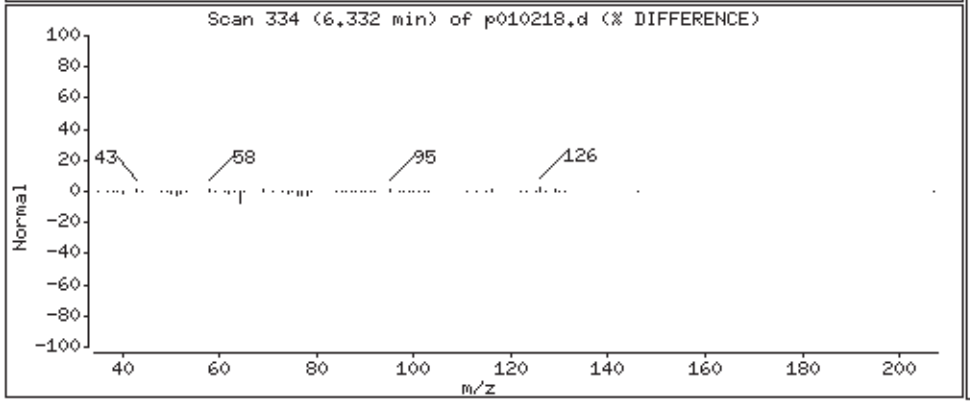












Data File: /chem/msdp.i/p02jan08.b/p010218.d

Date : 02-JAN-2008 18:32

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01A;

Volume Injected (uL): 1.0

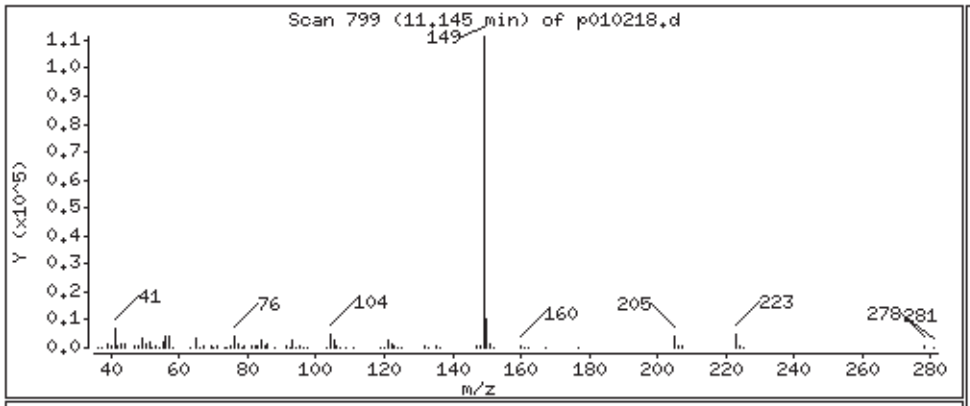
Operator: LP

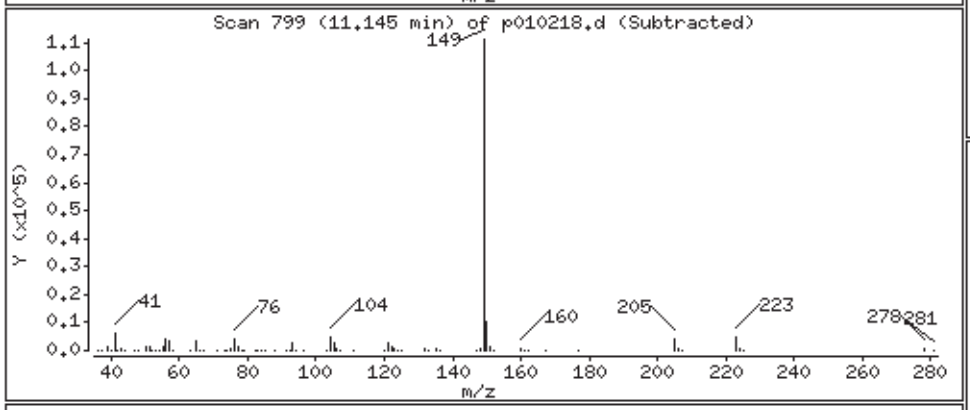
Column phase: DB-5.625

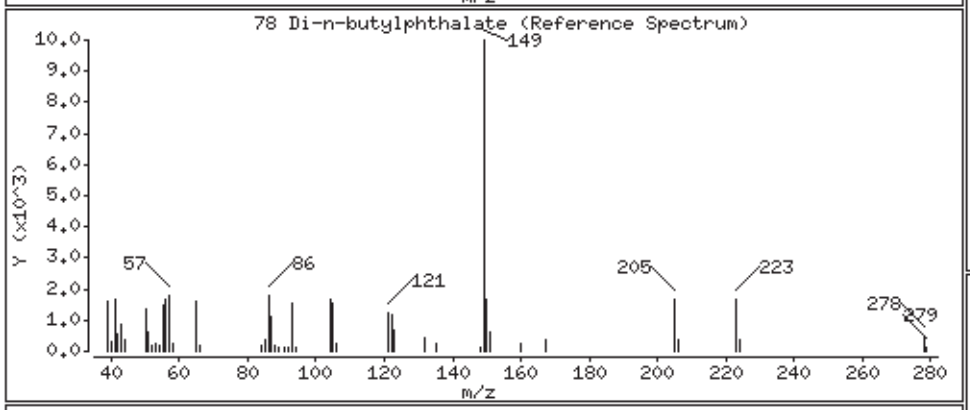
Column diameter: 0.25

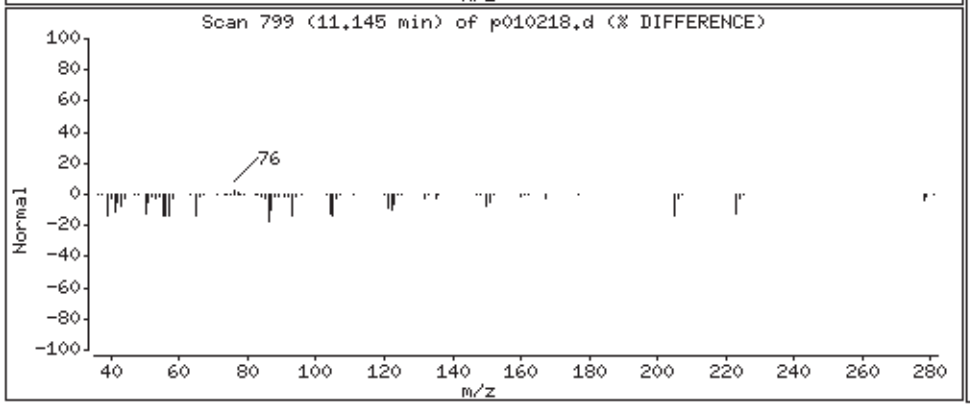
78 Di-n-butylphthalate

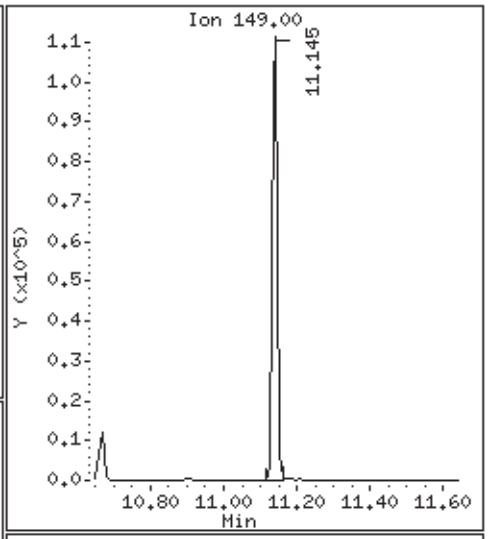
Concentration: 6.298 ug

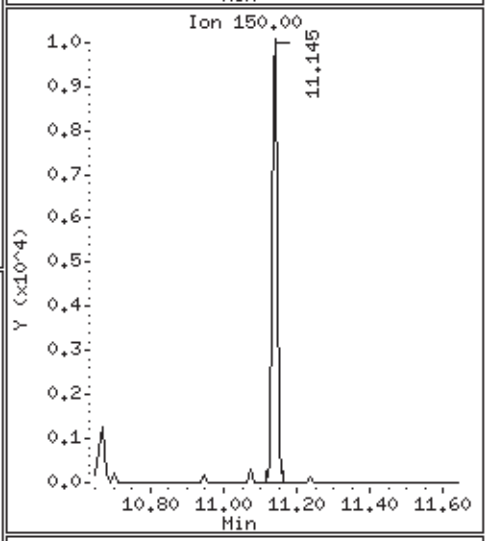


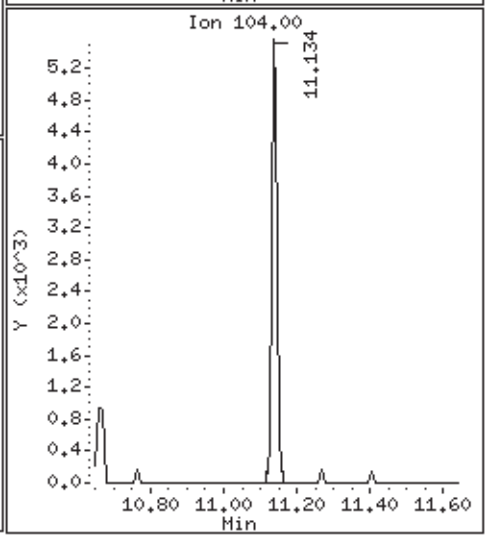












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712491-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,4-Dichlorobenzene	0.065	0.16	0.39	0.97
Isophorone	0.069	3.0	0.39	17
Naphthalene	0.074	0.12	0.39	0.62
di-n-Butylphthalate	0.17	0.21	1.9	2.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712491-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010219**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/2/08 07:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.50	Not Detected	1.9	Not Detected
bis(2-Chloroethyl) Ether	0.066	Not Detected	0.39	Not Detected
2-Chlorophenol	0.37	Not Detected	1.9	Not Detected
1,3-Dichlorobenzene	0.065	Not Detected	0.39	Not Detected
1,4-Dichlorobenzene	0.065	0.16	0.39	0.97
1,2-Dichlorobenzene	0.065	Not Detected	0.39	Not Detected
2-Methylphenol (o-Cresol)	0.44	Not Detected	1.9	Not Detected
bis(2-Chloroisopropyl) Ether	0.056	Not Detected	0.39	Not Detected
N-Nitroso-di-n-propylamine	0.073	Not Detected	0.39	Not Detected
4-Methylphenol/3-Methylphenol	0.44	Not Detected	1.9	Not Detected
Hexachloroethane	0.040	Not Detected	0.39	Not Detected
Nitrobenzene	0.077	Not Detected	0.39	Not Detected
Isophorone	0.069	3.0	0.39	17
2-Nitrophenol	0.34	Not Detected	1.9	Not Detected
2,4-Dimethylphenol	0.39	Not Detected	1.9	Not Detected
Benzoic Acid	3.1	Not Detected	16	Not Detected
bis(2-Chloroethoxy) Methane	0.055	Not Detected	0.39	Not Detected
2,4-Dichlorophenol	0.29	Not Detected	1.9	Not Detected
1,2,4-Trichlorobenzene	0.052	Not Detected	0.39	Not Detected
Naphthalene	0.074	0.12	0.39	0.62
4-Chloroaniline	0.75	Not Detected	3.9	Not Detected
Hexachlorobutadiene	0.036	Not Detected	0.39	Not Detected
4-Chloro-3-methylphenol	0.33	Not Detected	1.9	Not Detected
2-Methylnaphthalene	0.067	Not Detected	0.39	Not Detected
Hexachlorocyclopentadiene	0.70	Not Detected	7.8	Not Detected
2,4,6-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2,4,5-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2-Chloronaphthalene	0.058	Not Detected	0.39	Not Detected
2-Nitroaniline	0.69	Not Detected	3.9	Not Detected
Dimethylphthalate	0.24	Not Detected	1.9	Not Detected
Acenaphthylene	0.062	Not Detected	0.39	Not Detected
2,6-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
3-Nitroaniline	0.69	Not Detected	3.9	Not Detected
Acenaphthene	0.062	Not Detected	0.39	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	7.8	Not Detected
4-Nitrophenol	1.4	Not Detected	7.8	Not Detected
2,4-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
Dibenzofuran	0.056	Not Detected	0.39	Not Detected
Diethylphthalate	0.43	Not Detected	3.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712491-01AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010219**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 07:02 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.057	Not Detected	0.39	Not Detected
4-Chlorophenyl-phenyl Ether	0.046	Not Detected	0.39	Not Detected
4-Nitroaniline	0.69	Not Detected	3.9	Not Detected
4,6-Dinitro-2-methylphenol	0.48	Not Detected	3.9	Not Detected
N-Nitrosodiphenylamine	0.48	Not Detected	3.9	Not Detected
4-Bromophenyl-phenyl Ether	0.038	Not Detected	0.39	Not Detected
Hexachlorobenzene	0.033	Not Detected	0.39	Not Detected
Pentachlorophenol	0.71	Not Detected	7.8	Not Detected
Phenanthrene	0.053	Not Detected	0.39	Not Detected
Anthracene	0.053	Not Detected	0.39	Not Detected
di-n-Butylphthalate	0.17	0.21	1.9	2.4
Fluoranthene	0.047	Not Detected	0.39	Not Detected
Pyrene	0.047	Not Detected	0.39	Not Detected
Butylbenzylphthalate	0.15	Not Detected	1.9	Not Detected
3,3'-Dichlorobenzidine	0.75	Not Detected	7.8	Not Detected
Chrysene	0.042	Not Detected	0.39	Not Detected
Benzo(a)anthracene	0.042	Not Detected	0.39	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	Not Detected	1.9	Not Detected
Di-n-Octylphthalate	0.12	Not Detected	1.9	Not Detected
Benzo(b)fluoranthene	0.038	Not Detected	0.39	Not Detected
Benzo(k)fluoranthene	0.038	Not Detected	0.39	Not Detected
Benzo(a)pyrene	0.038	Not Detected	0.39	Not Detected
Indeno(1,2,3-c,d)pyrene	0.038	Not Detected	0.39	Not Detected
Dibenz(a,h)anthracene	0.034	Not Detected	0.39	Not Detected
Benzo(g,h,i)perylene	0.034	Not Detected	0.39	Not Detected

Air Sample Volume(L): 2570

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	77	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	74	50-150
Fluorene-d10	84	60-120
Pyrene-d10	83	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010219.d
Lab Smp Id: 0712491-01AA
Inj Date : 02-JAN-2008 19:02
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-01AA;
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO13.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$	1 2-Fluorophenol	112	3.196	3.196	(0.685)	230997	38.7150	38.71
$	2 Phenol-d5	99	4.293	4.293	(0.920)	304695	40.2534	40.25
	3 Phenol*	94	Compound Not Detected.					
	4 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	5 2-Chlorophenol	128	Compound Not Detected.					
	6 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	7 1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	260074	40.0000	
	9 1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	16616	2.50417	2.504
	11 1,2-Dichlorobenzene	146	Compound Not Detected.					
	12 2-Methylphenol	108	Compound Not Detected.					
	13 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
	14 4-Methylphenol	108	Compound Not Detected.					
	15 N-Nitrosodipropylamine**	70	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT REL RT	RESPONSE	(ng)	(ug)
	16 Hexachloroethane	117	Compound Not Detected.				
$	17 Nitrobenzene-d5	82	5.421	5.421 (0.860)	295836	39.7989	39.80
	18 Nitrobenzene	77	Compound Not Detected.				
	19 Isophorone	82	5.742	5.752 (0.911)	556538	43.3344	43.33
	20 2-Nitrophenol*	139	Compound Not Detected.				
	21 2,4-Dimethylphenol	122	Compound Not Detected.				
	23 bis(2-Chloroethoxy)methane	93	Compound Not Detected.				
	24 Benzoic Acid	122	Compound Not Detected.				
	25 2,4-Dichlorophenol*	162	Compound Not Detected.				
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.				
*	27 Naphthalene-d8	136	6.301	6.301 (1.000)	689896	40.0000	
	28 Naphthalene	128	6.332	6.332 (1.005)	31535	1.59133	1.591
	29 4-Chloroaniline	127	Compound Not Detected.				
	30 Hexachlorobutadiene*	225	Compound Not Detected.				
	32 4-Chloro-3-Methylphenol*	107	Compound Not Detected.				
	33 2-Methylnaphthalene	142	Compound Not Detected.				
	145 1-Methylnaphthalene	142	Compound Not Detected.				
	35 Hexachlorocyclopentadiene**	237	Compound Not Detected.				
	36 2,4,6-Trichlorophenol*	196	Compound Not Detected.				
	37 2,4,5-Trichlorophenol	196	Compound Not Detected.				
	39 2-Chloronaphthalene	162	Compound Not Detected.				
	40 2-Nitroaniline	65	Compound Not Detected.				
	42 Dimethylphthalate	163	Compound Not Detected.				
	45 Acenaphthylene	152	Compound Not Detected.				
	44 2,6-Dinitrotoluene	165	Compound Not Detected.				
	46 3-Nitroaniline	138	Compound Not Detected.				
*	47 Acenaphthene-d10	164	8.516	8.516 (1.000)	396953	40.0000	
	48 Acenaphthene*	154	Compound Not Detected.				
	49 2,4-Dinitrophenol**	184	Compound Not Detected.				
	50 4-Nitrophenol**	109	Compound Not Detected.				
	51 Dibenzofuran	168	Compound Not Detected.				
	52 2,4-Dinitrotoluene	165	Compound Not Detected.				
$	147 Fluorene-d10	176	9.137	9.137 (1.073)	459072	42.1557	42.16
	56 Diethylphthalate	149	Compound Not Detected.				
	57 Fluorene	166	Compound Not Detected.				
	58 4-Chlorophenyl phenyl ether	204	Compound Not Detected.				
	59 4-Nitroaniline	138	Compound Not Detected.				
	60 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.				
	61 N-nitrosodiphenylamine*	169	Compound Not Detected.				
$	62 2,4,6-Tribromophenol	330	9.488	9.489 (1.114)	62886	36.8987	36.90
	65 4-Bromophenyl phenyl ether	248	Compound Not Detected.				
	66 Hexachlorobenzene	284	Compound Not Detected.				
	68 Pentachlorophenol*	266	Compound Not Detected.				
*	71 Phenanthrene-d10	188	10.296	10.296 (1.000)	683866	40.0000	
	72 Phenanthrene	178	Compound Not Detected.				
	73 Anthracene	178	Compound Not Detected.				
	78 Di-n-butylphthalate	149	11.145	11.145 (1.082)	132256	6.06804	6.068
	80 Fluoranthene*	202	Compound Not Detected.				

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$ 148 Pyrene-d10	212	12.045	12.045	(0.863)	652398	41.7231	41.72
81 Pyrene	202	Compound Not Detected.					
85 Butyl benzyl phthalate	149	Compound Not Detected.					
88 Benzo(a)Anthracene	228	Compound Not Detected.					
* 90 Chrysene-d12	240	13.949	13.950	(1.000)	624924	40.0000	
89 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
91 Chrysene	228	Compound Not Detected.					
93 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
94 Di-n-octyl phthalate*	149	Compound Not Detected.					
95 Benzo(b)fluoranthene	252	Compound Not Detected.					
96 Benzo(k)fluoranthene	252	Compound Not Detected.					
98 Benzo(a)pyrene*	252	Compound Not Detected.					
* 99 Perylene-d12	264	16.475	16.475	(1.000)	437932	40.0000	
103 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
104 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
105 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010219.d
Lab Smp Id: 0712491-01AA
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	260074	-5.56
27 Naphthalene-d8	642799	321400	1285598	689896	7.33
47 Acenaphthene-d10	331958	165979	663916	396953	19.58
71 Phenanthrene-d10	574512	287256	1149024	683866	19.03
90 Chrysene-d12	505378	252689	1010756	624924	23.65
99 Perylene-d12	377169	188584	754338	437932	16.11

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

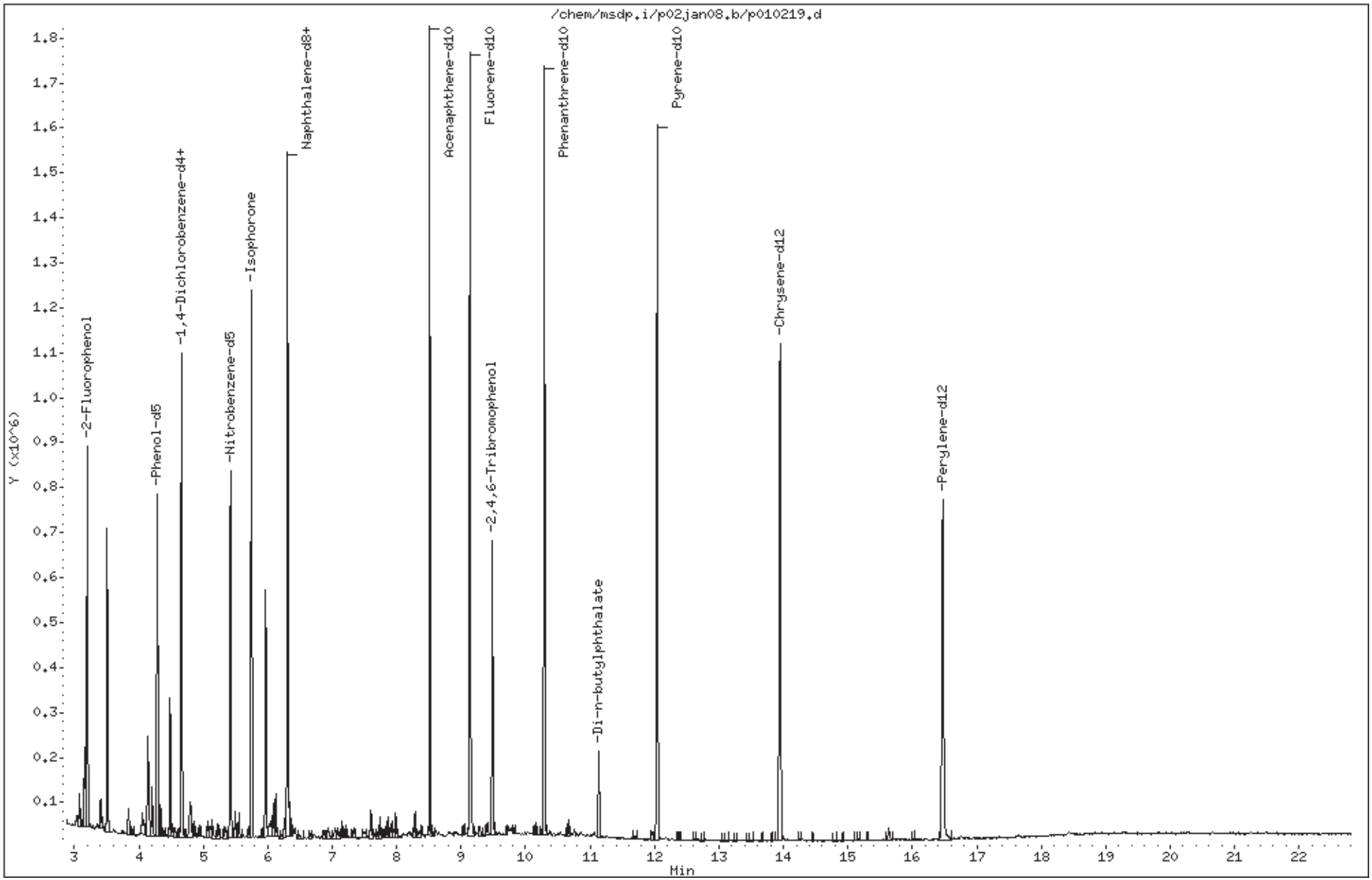
Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-01AA
Level: LOW Operator: LP
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PAH100.spk Quant Type: ISTD
Sublist File: TO13.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	50.00	38.71	77.43	50-150
$ 2 Phenol-d5	50.00	40.25	80.51	50-150
$ 17 Nitrobenzene-d5	50.00	39.80	79.60	50-150
$ 147 Fluorene-d10	50.00	42.16	84.31	60-120
$ 62 2,4,6-Tribromophen	50.00	36.90	73.80	50-150
$ 148 Pyrene-d10	50.00	41.72	83.45	60-120

0027

Data File: /chem/msdp.i/p02jan08.b/p010219.d
Date : 02-JAN-2008 19:02
Client ID:
Sample Info: ;0712491-01AA;
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Data File: /chem/msdp.i/p02jan08.b/p010219.d

Date : 02-JAN-2008 19:02

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01AA;

Volume Injected (uL): 1.0

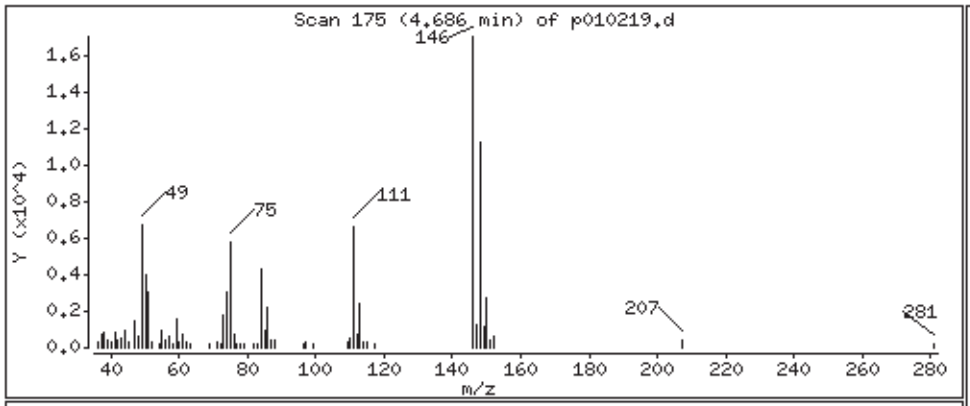
Operator: LP

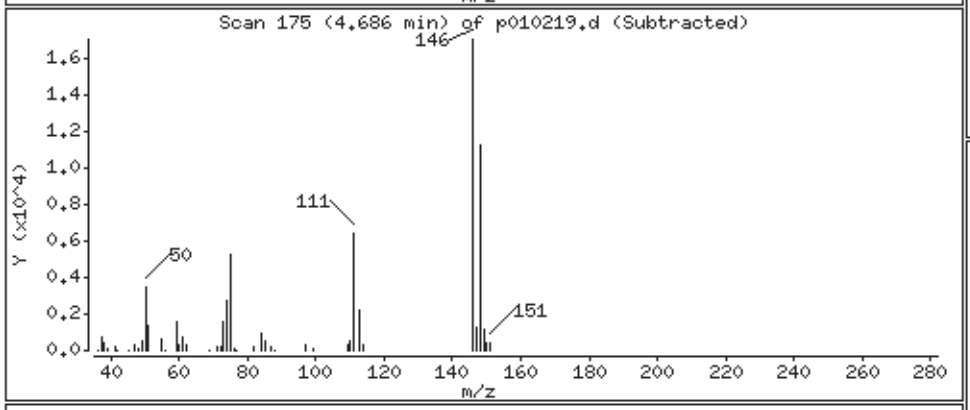
Column phase: DB-5.625

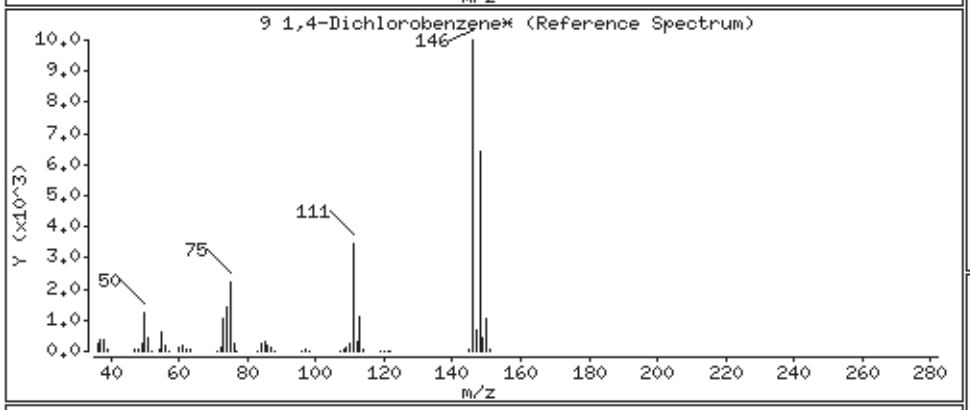
Column diameter: 0.25

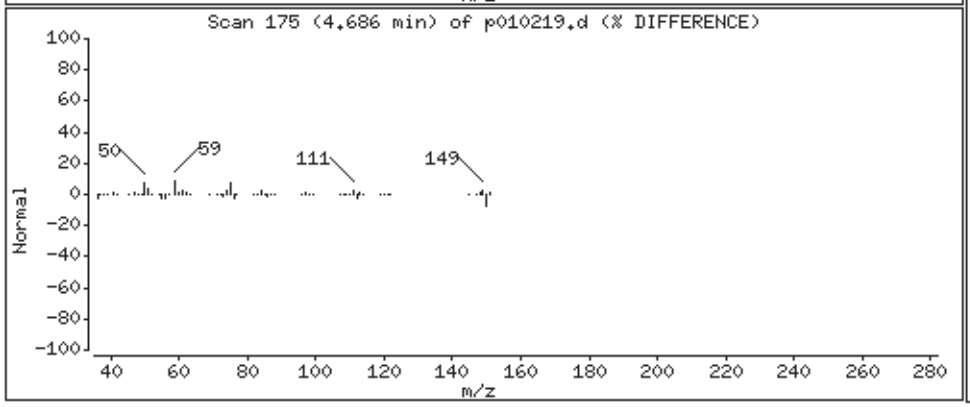
9 1,4-Dichlorobenzene*

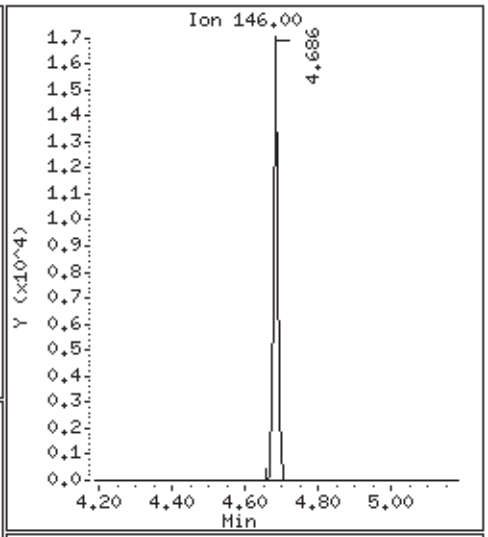
Concentration: 2.504 ug

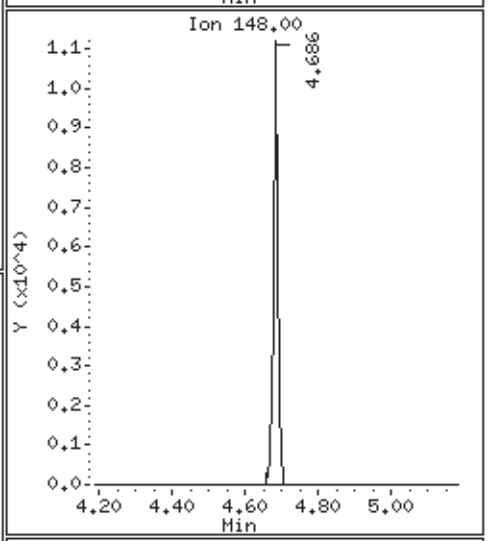


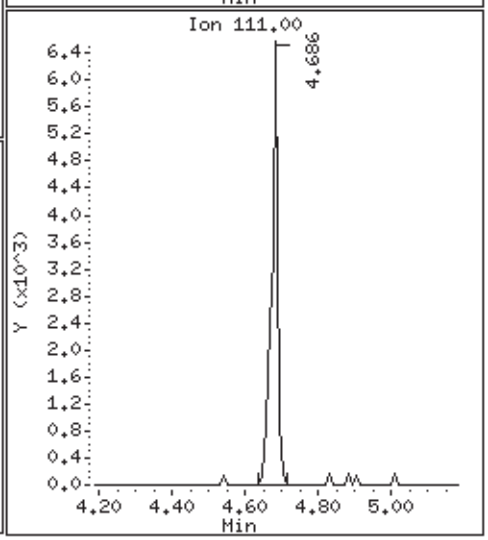












Data File: /chem/msdp.i/p02jan08.b/p010219.d

Date : 02-JAN-2008 19:02

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01AA;

Volume Injected (uL): 1.0

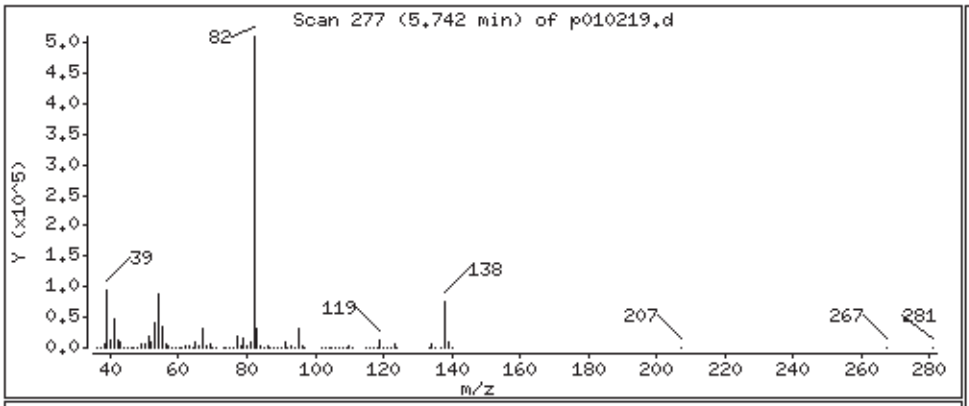
Operator: LP

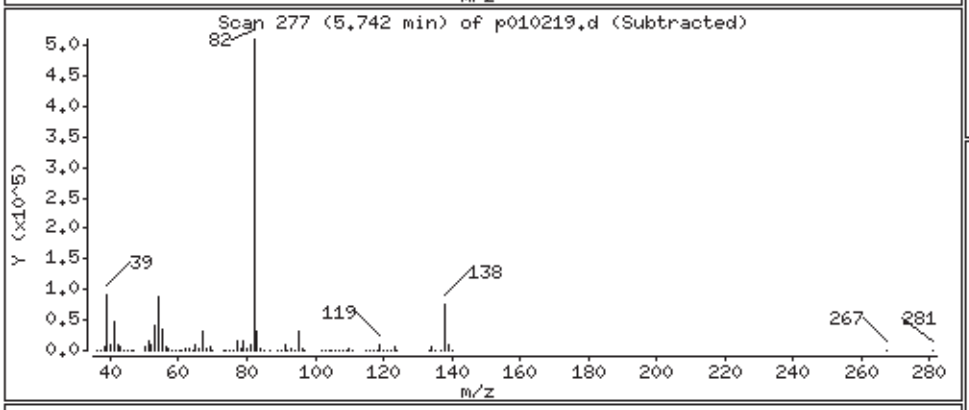
Column phase: DB-5.625

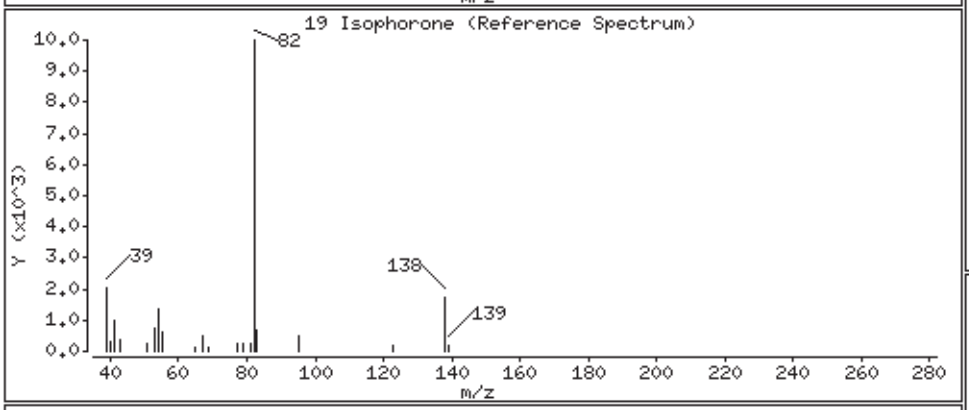
Column diameter: 0.25

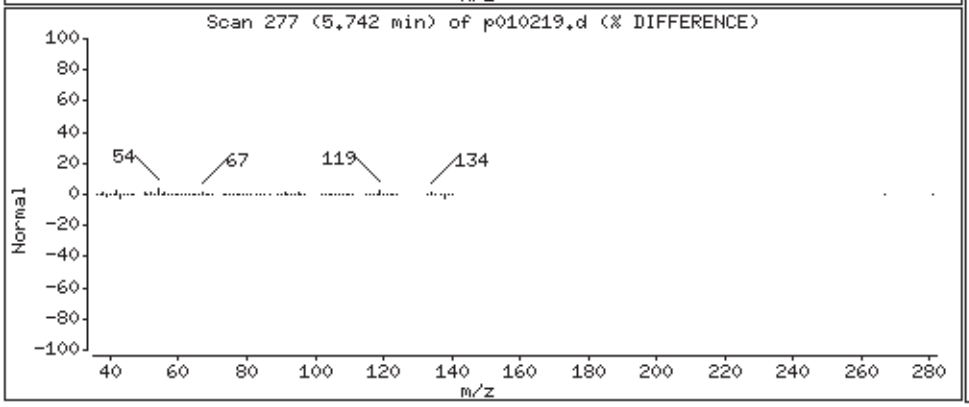
19 Isophorone

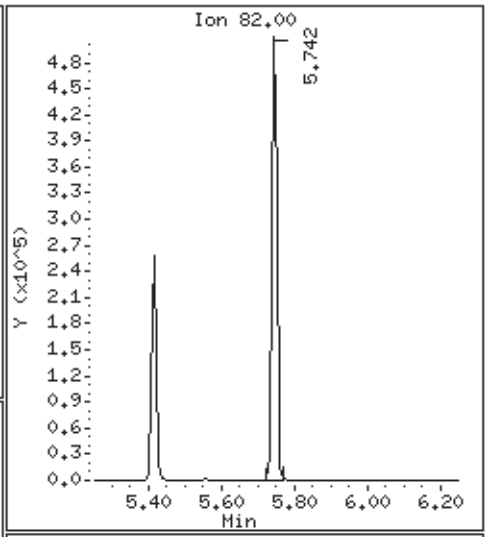
Concentration: 43.33 ug

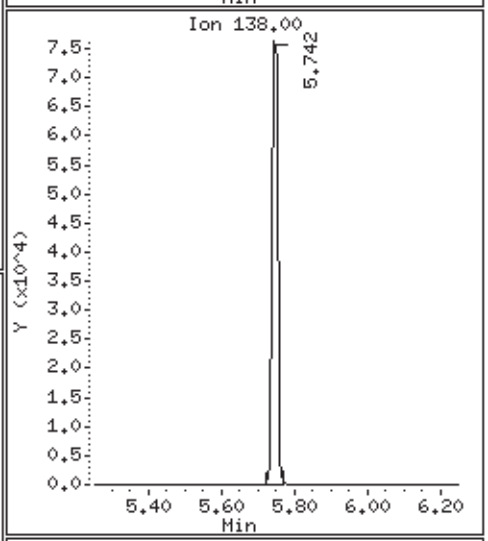


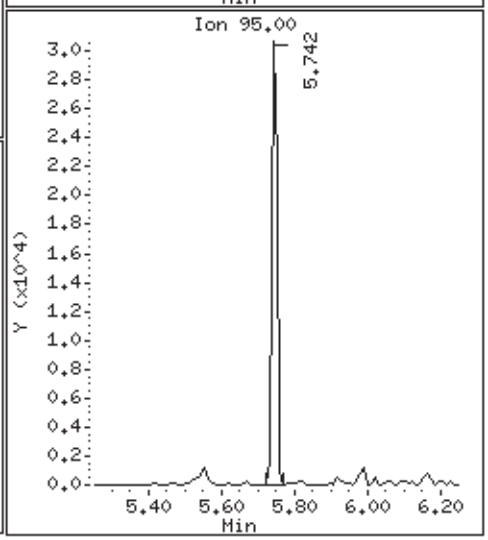












Data File: /chem/msdp.i/p02jan08.b/p010219.d

Date : 02-JAN-2008 19:02

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01AA;

Volume Injected (uL): 1.0

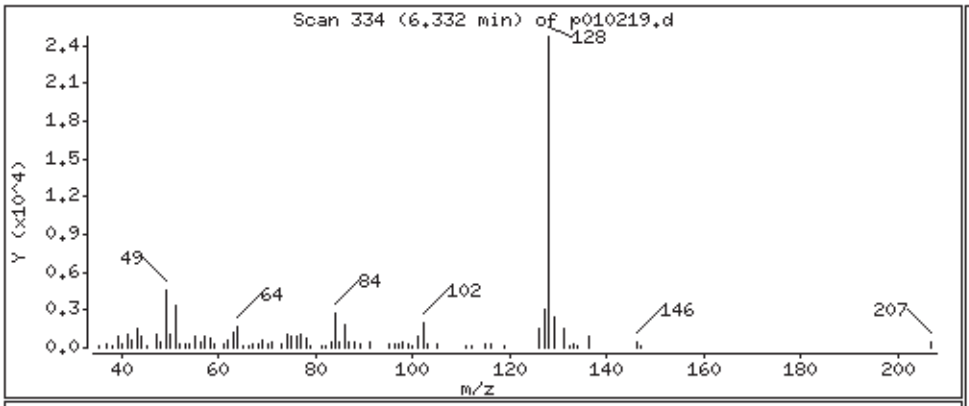
Operator: LP

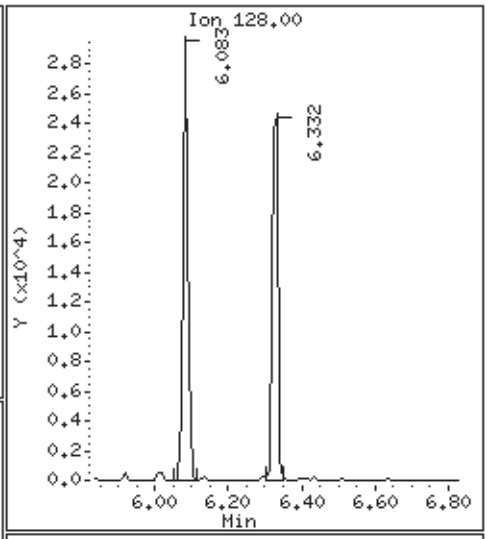
Column phase: DB-5.625

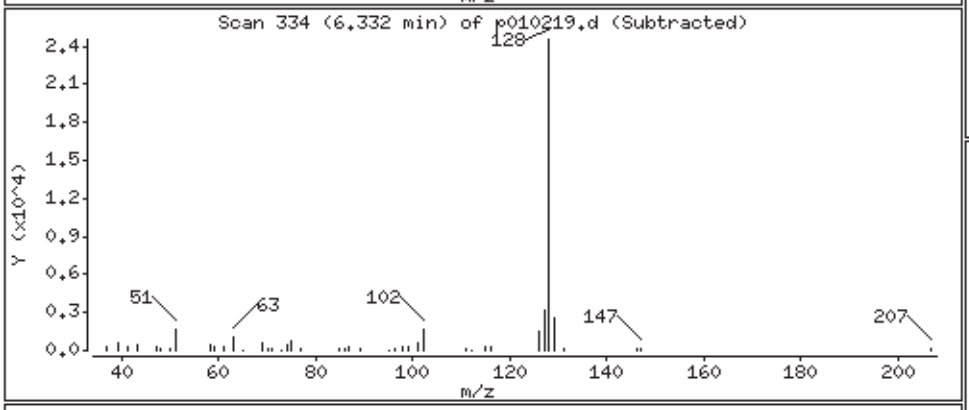
Column diameter: 0.25

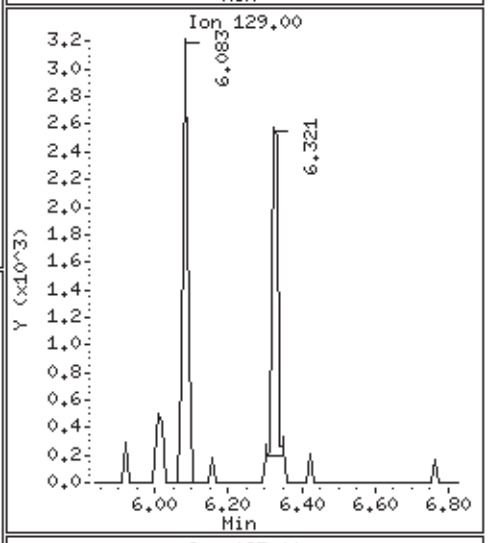
28 Naphthalene

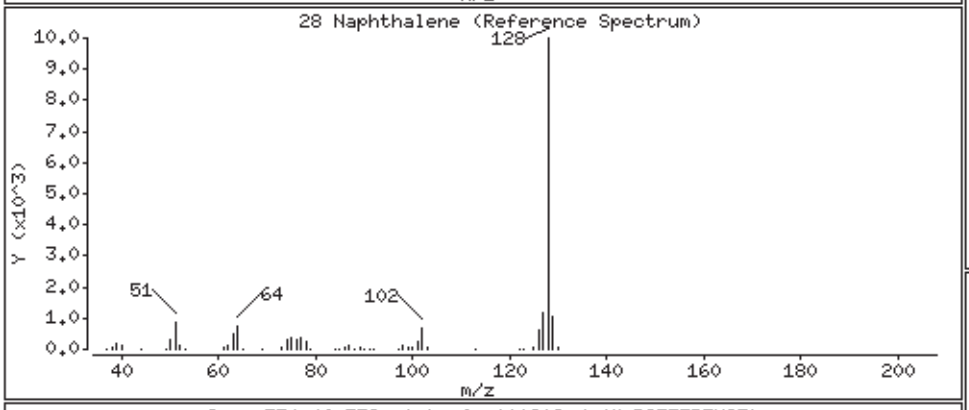
Concentration: 1.591 ug

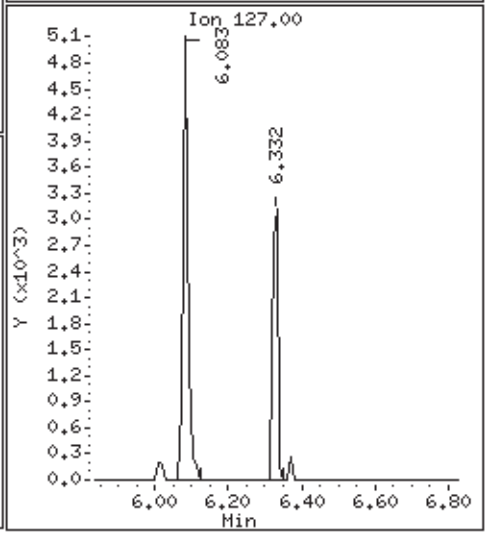


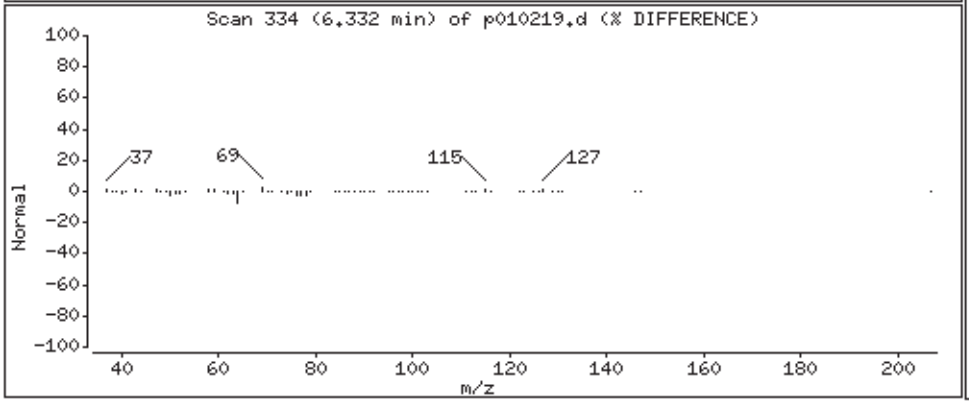












Data File: /chem/msdp.i/p02jan08.b/p010219.d

Date : 02-JAN-2008 19:02

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-01AA;

Volume Injected (uL): 1.0

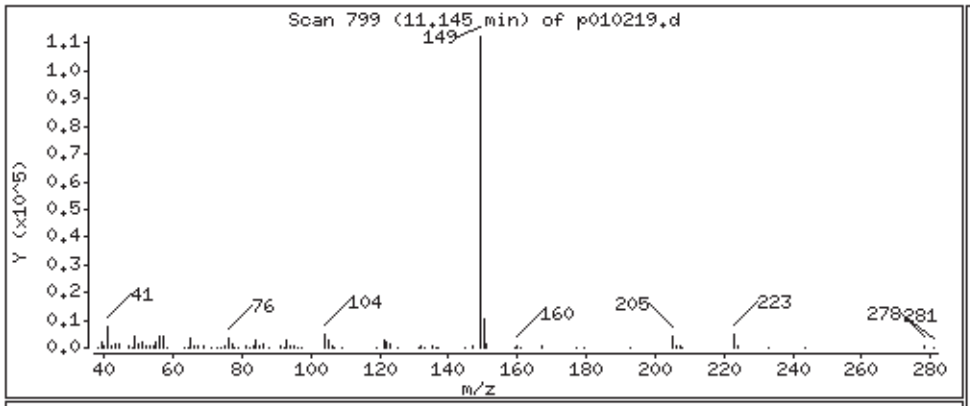
Operator: LP

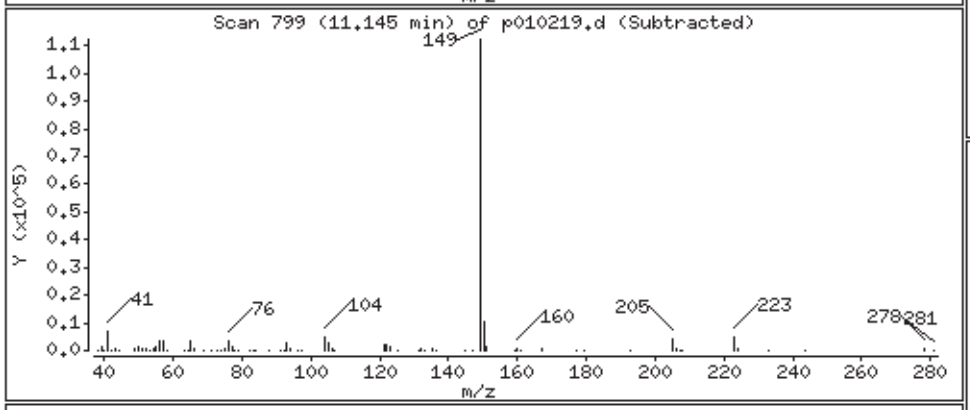
Column phase: DB-5.625

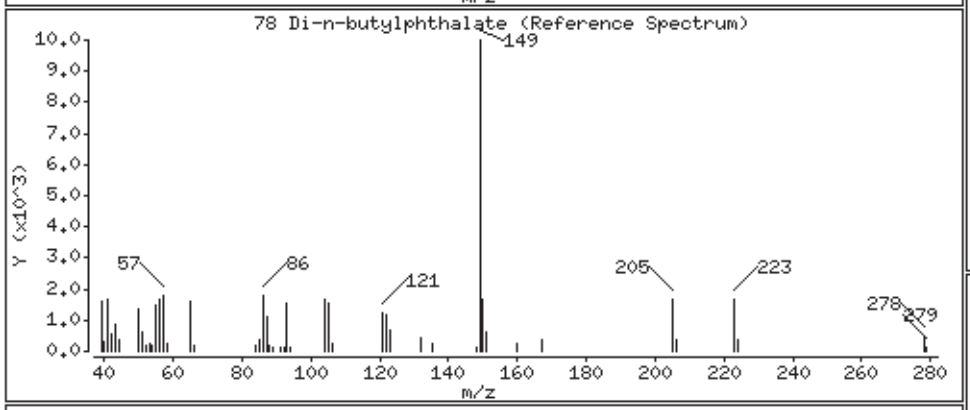
Column diameter: 0.25

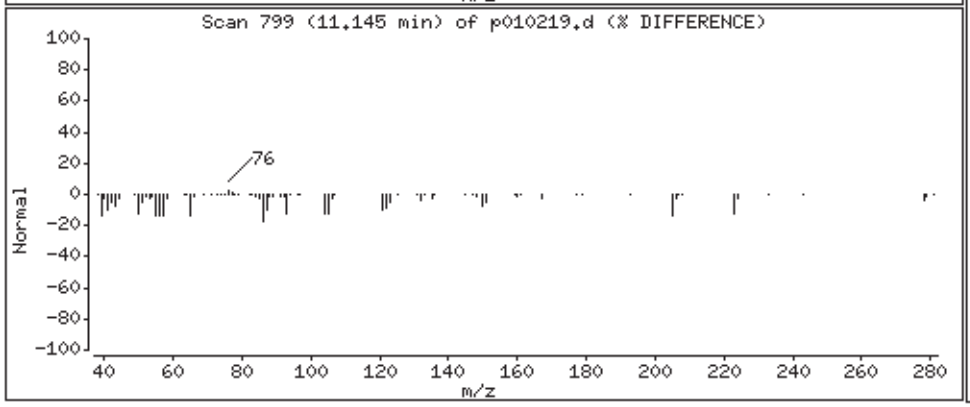
78 Di-n-butylphthalate

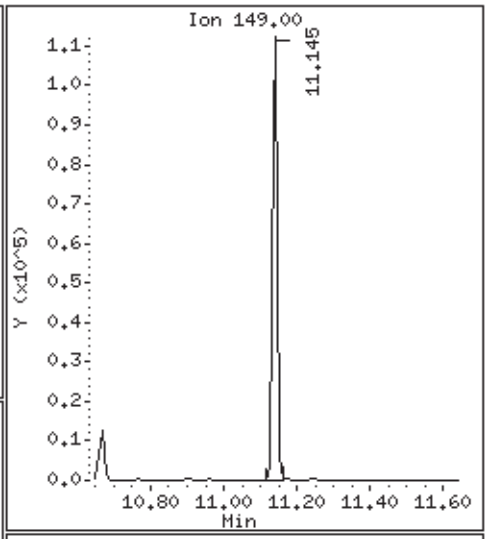
Concentration: 6.068 ug

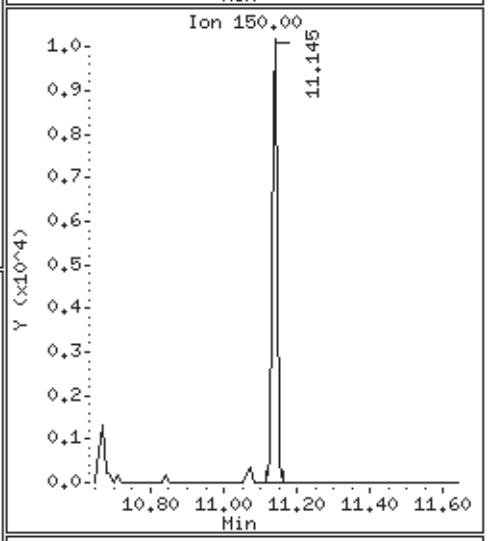


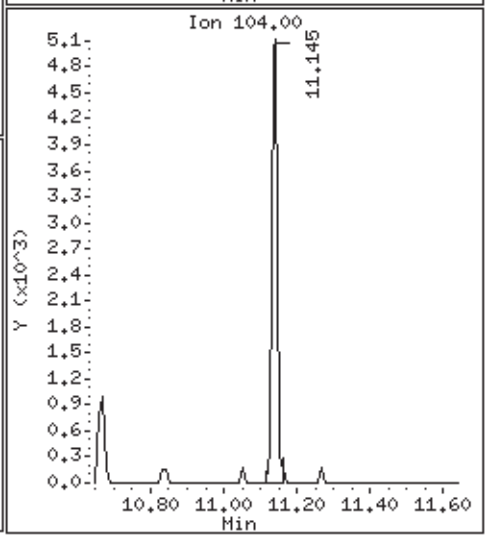












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712491-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,4-Dichlorobenzene	0.064	0.16	0.38	0.97
Isophorone	0.068	2.9	0.38	16
Naphthalene	0.073	0.12	0.38	0.63
di-n-Butylphthalate	0.17	0.20	1.9	2.3
bis(2-Ethylhexyl)phthalate	0.12	0.18	1.9	2.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712491-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010220**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 07:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.50	Not Detected	1.9	Not Detected
bis(2-Chloroethyl) Ether	0.065	Not Detected	0.38	Not Detected
2-Chlorophenol	0.36	Not Detected	1.9	Not Detected
1,3-Dichlorobenzene	0.064	Not Detected	0.38	Not Detected
1,4-Dichlorobenzene	0.064	0.16	0.38	0.97
1,2-Dichlorobenzene	0.064	Not Detected	0.38	Not Detected
2-Methylphenol (o-Cresol)	0.43	Not Detected	1.9	Not Detected
bis(2-Chloroisopropyl) Ether	0.055	Not Detected	0.38	Not Detected
N-Nitroso-di-n-propylamine	0.072	Not Detected	0.38	Not Detected
4-Methylphenol/3-Methylphenol	0.43	Not Detected	1.9	Not Detected
Hexachloroethane	0.039	Not Detected	0.38	Not Detected
Nitrobenzene	0.076	Not Detected	0.38	Not Detected
Isophorone	0.068	2.9	0.38	16
2-Nitrophenol	0.34	Not Detected	1.9	Not Detected
2,4-Dimethylphenol	0.38	Not Detected	1.9	Not Detected
Benzoic Acid	3.1	Not Detected	15	Not Detected
bis(2-Chloroethoxy) Methane	0.054	Not Detected	0.38	Not Detected
2,4-Dichlorophenol	0.29	Not Detected	1.9	Not Detected
1,2,4-Trichlorobenzene	0.052	Not Detected	0.38	Not Detected
Naphthalene	0.073	0.12	0.38	0.63
4-Chloroaniline	0.73	Not Detected	3.8	Not Detected
Hexachlorobutadiene	0.036	Not Detected	0.38	Not Detected
4-Chloro-3-methylphenol	0.33	Not Detected	1.9	Not Detected
2-Methylnaphthalene	0.066	Not Detected	0.38	Not Detected
Hexachlorocyclopentadiene	0.68	Not Detected	7.6	Not Detected
2,4,6-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2,4,5-Trichlorophenol	0.24	Not Detected	1.9	Not Detected
2-Chloronaphthalene	0.057	Not Detected	0.38	Not Detected
2-Nitroaniline	0.68	Not Detected	3.8	Not Detected
Dimethylphthalate	0.24	Not Detected	1.9	Not Detected
Acenaphthylene	0.061	Not Detected	0.38	Not Detected
2,6-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
3-Nitroaniline	0.68	Not Detected	3.8	Not Detected
Acenaphthene	0.061	Not Detected	0.38	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	7.6	Not Detected
4-Nitrophenol	1.3	Not Detected	7.6	Not Detected
2,4-Dinitrotoluene	0.26	Not Detected	1.9	Not Detected
Dibenzofuran	0.056	Not Detected	0.38	Not Detected
Diethylphthalate	0.42	Not Detected	3.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712491-02A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010220**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 07:31 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.056	Not Detected	0.38	Not Detected
4-Chlorophenyl-phenyl Ether	0.046	Not Detected	0.38	Not Detected
4-Nitroaniline	0.68	Not Detected	3.8	Not Detected
4,6-Dinitro-2-methylphenol	0.47	Not Detected	3.8	Not Detected
N-Nitrosodiphenylamine	0.47	Not Detected	3.8	Not Detected
4-Bromophenyl-phenyl Ether	0.038	Not Detected	0.38	Not Detected
Hexachlorobenzene	0.033	Not Detected	0.38	Not Detected
Pentachlorophenol	0.70	Not Detected	7.6	Not Detected
Phenanthrene	0.052	Not Detected	0.38	Not Detected
Anthracene	0.052	Not Detected	0.38	Not Detected
di-n-Butylphthalate	0.17	0.20	1.9	2.3
Fluoranthene	0.046	Not Detected	0.38	Not Detected
Pyrene	0.046	Not Detected	0.38	Not Detected
Butylbenzylphthalate	0.15	Not Detected	1.9	Not Detected
3,3'-Dichlorobenzidine	0.74	Not Detected	7.6	Not Detected
Chrysene	0.041	Not Detected	0.38	Not Detected
Benzo(a)anthracene	0.041	Not Detected	0.38	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	0.18	1.9	2.9
Di-n-Octylphthalate	0.12	Not Detected	1.9	Not Detected
Benzo(b)fluoranthene	0.037	Not Detected	0.38	Not Detected
Benzo(k)fluoranthene	0.037	Not Detected	0.38	Not Detected
Benzo(a)pyrene	0.037	Not Detected	0.38	Not Detected
Indeno(1,2,3-c,d)pyrene	0.037	Not Detected	0.38	Not Detected
Dibenz(a,h)anthracene	0.034	Not Detected	0.38	Not Detected
Benzo(g,h,i)perylene	0.034	Not Detected	0.38	Not Detected

Air Sample Volume(L): 2620

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	70	50-150
Phenol-d5	80	50-150
Nitrobenzene-d5	78	50-150
2,4,6-Tribromophenol	66	50-150
Fluorene-d10	84	60-120
Pyrene-d10	87	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010220.d
Lab Smp Id: 0712491-02A
Inj Date : 02-JAN-2008 19:31
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-02A;
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO13.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$	1 2-Fluorophenol	112	3.196	3.196	(0.685)	195254	34.9784	34.98
$	2 Phenol-d5	99	4.293	4.293	(0.920)	283905	40.0902	40.09
	3 Phenol*	94	Compound Not Detected.					
	4 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	5 2-Chlorophenol	128	Compound Not Detected.					
	6 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	7 1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	243315	40.0000	
	9 1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	15753	2.53763	2.538
	11 1,2-Dichlorobenzene	146	Compound Not Detected.					
	12 2-Methylphenol	108	Compound Not Detected.					
	13 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
	14 4-Methylphenol	108	Compound Not Detected.					
	15 N-Nitrosodipropylamine**	70	Compound Not Detected.					

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug)
	16 Hexachloroethane	117	Compound Not Detected.					
$	17 Nitrobenzene-d5	82	5.421	5.421	(0.860)	268650	39.0935	39.09
	18 Nitrobenzene	77	Compound Not Detected.					
	19 Isophorone	82	5.742	5.752	(0.911)	513257	43.2284	43.23
	20 2-Nitrophenol*	139	Compound Not Detected.					
	21 2,4-Dimethylphenol	122	Compound Not Detected.					
	23 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic Acid	122	Compound Not Detected.					
	25 2,4-Dichlorophenol*	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	6.301	6.301	(1.000)	637803	40.0000	
	28 Naphthalene	128	6.332	6.332	(1.005)	30385	1.65853	1.658(H)
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene*	225	Compound Not Detected.					
	32 4-Chloro-3-Methylphenol*	107	Compound Not Detected.					
	33 2-Methylnaphthalene	142	Compound Not Detected.					
	145 1-Methylnaphthalene	142	Compound Not Detected.					
	35 Hexachlorocyclopentadiene**	237	Compound Not Detected.					
	36 2,4,6-Trichlorophenol*	196	Compound Not Detected.					
	37 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	39 2-Chloronaphthalene	162	Compound Not Detected.					
	40 2-Nitroaniline	65	Compound Not Detected.					
	42 Dimethylphthalate	163	Compound Not Detected.					
	45 Acenaphthylene	152	Compound Not Detected.					
	44 2,6-Dinitrotoluene	165	Compound Not Detected.					
	46 3-Nitroaniline	138	Compound Not Detected.					
*	47 Acenaphthene-d10	164	8.516	8.516	(1.000)	356566	40.0000	
	48 Acenaphthene*	154	Compound Not Detected.					
	49 2,4-Dinitrophenol**	184	Compound Not Detected.					
	50 4-Nitrophenol**	109	Compound Not Detected.					
	51 Dibenzofuran	168	Compound Not Detected.					
	52 2,4-Dinitrotoluene	165	Compound Not Detected.					
$	147 Fluorene-d10	176	9.137	9.137	(1.073)	412653	42.1852	42.18
	56 Diethylphthalate	149	Compound Not Detected.					
	57 Fluorene	166	Compound Not Detected.					
	58 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
	59 4-Nitroaniline	138	Compound Not Detected.					
	60 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	61 N-nitrosodiphenylamine*	169	Compound Not Detected.					
$	62 2,4,6-Tribromophenol	330	9.489	9.489	(1.114)	50807	33.1879	33.19
	65 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
	66 Hexachlorobenzene	284	Compound Not Detected.					
	68 Pentachlorophenol*	266	Compound Not Detected.					
*	71 Phenanthrene-d10	188	10.296	10.296	(1.000)	588273	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
	73 Anthracene	178	Compound Not Detected.					
	78 Di-n-butylphthalate	149	11.145	11.145	(1.082)	112575	6.00437	6.004
	80 Fluoranthene*	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$ 148 Pyrene-d10	212	12.045	12.045	(0.864)	549731	43.3201	43.32
81 Pyrene	202	Compound Not Detected.					
85 Butyl benzyl phthalate	149	Compound Not Detected.					
88 Benzo(a)Anthracene	228	Compound Not Detected.					
* 90 Chrysene-d12	240	13.939	13.950	(1.000)	507168	40.0000	
89 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
91 Chrysene	228	Compound Not Detected.					
93 bis(2-ethylhexyl)Phthalate	149	14.270	14.270	(1.024)	86589	7.67973	7.680
94 Di-n-octyl phthalate*	149	Compound Not Detected.					
95 Benzo(b)fluoranthene	252	Compound Not Detected.					
96 Benzo(k)fluoranthene	252	Compound Not Detected.					
98 Benzo(a)pyrene*	252	Compound Not Detected.					
* 99 Perylene-d12	264	16.475	16.475	(1.000)	353077	40.0000	
103 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
104 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
105 Benzo(g,h,i)perylene	276	Compound Not Detected.					

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010220.d
Lab Smp Id: 0712491-02A
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	243315	-11.65
27 Naphthalene-d8	642799	321400	1285598	637803	-0.78
47 Acenaphthene-d10	331958	165979	663916	356566	7.41
71 Phenanthrene-d10	574512	287256	1149024	588273	2.40
90 Chrysene-d12	505378	252689	1010756	507168	0.35
99 Perylene-d12	377169	188584	754338	353077	-6.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.94	-0.07
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 08-Jan-2008 11:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-02A
Level: LOW Operator: LP
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PAH100.spk Quant Type: ISTD
Sublist File: TO13.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	50.00	34.98	69.96	50-150
$ 2 Phenol-d5	50.00	40.09	80.18	50-150
$ 17 Nitrobenzene-d5	50.00	39.09	78.19	50-150
$ 147 Fluorene-d10	50.00	42.18	84.37	60-120
$ 62 2,4,6-Tribromophen	50.00	33.19	66.38	50-150
$ 148 Pyrene-d10	50.00	43.32	86.64	60-120

Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

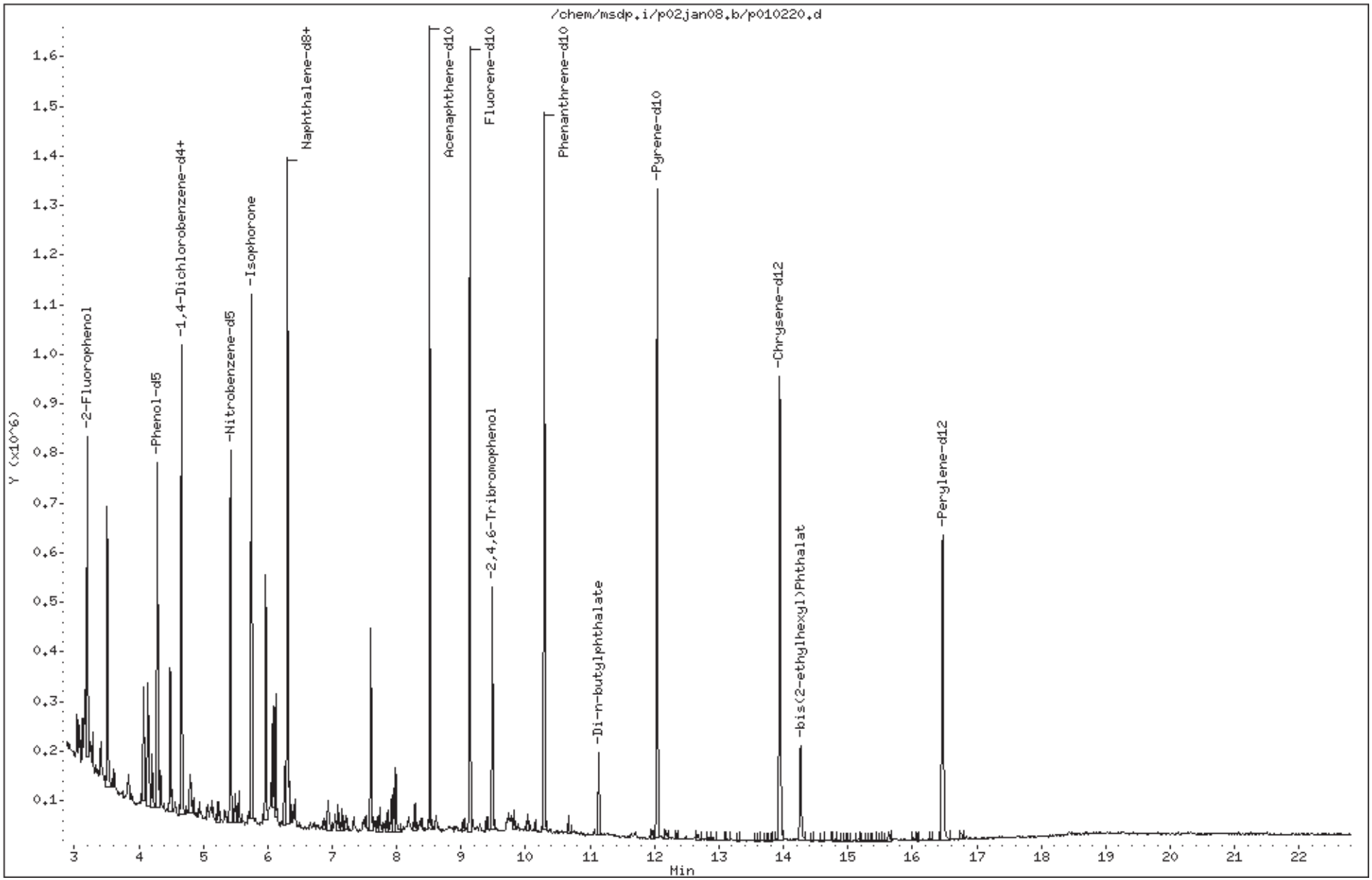
Column phase: DB-5.625

Instrument: msdp.i

Operator: LP

Column diameter: 0.25

0040



Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

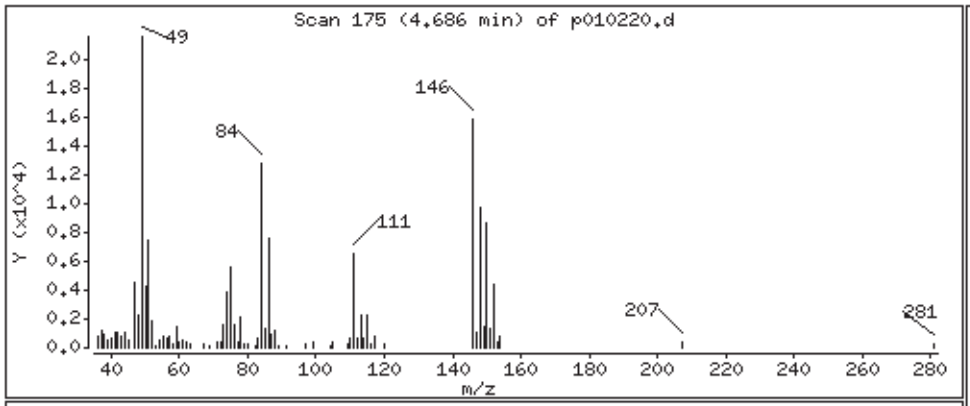
Operator: LP

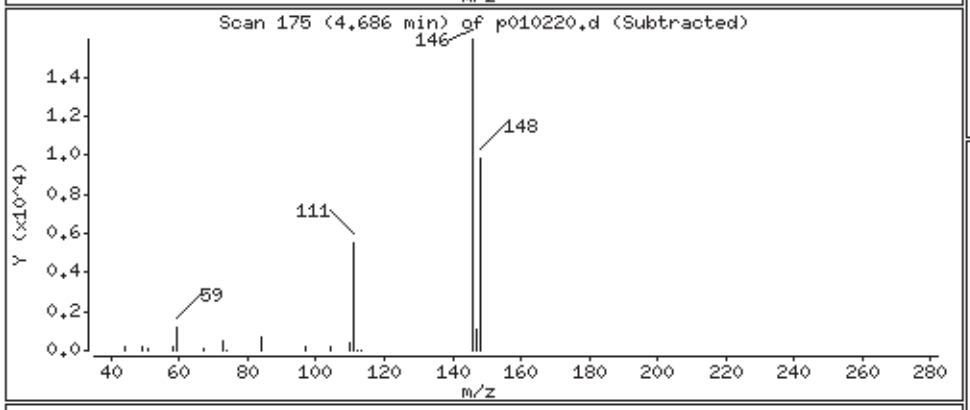
Column phase: DB-5.625

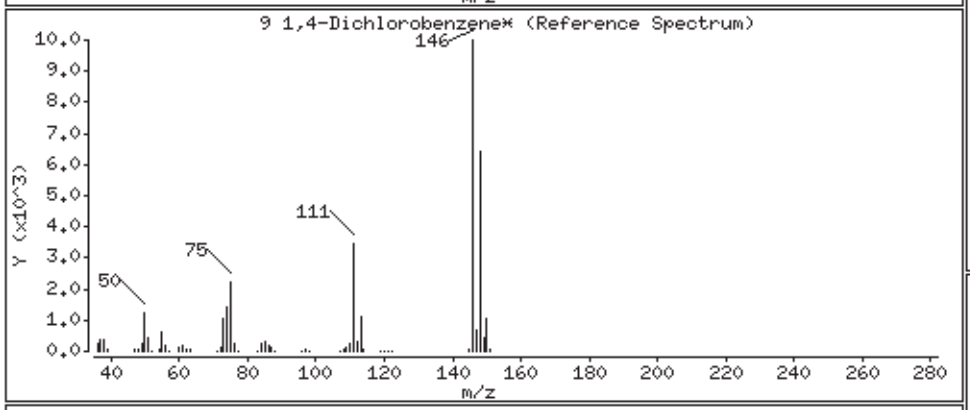
Column diameter: 0.25

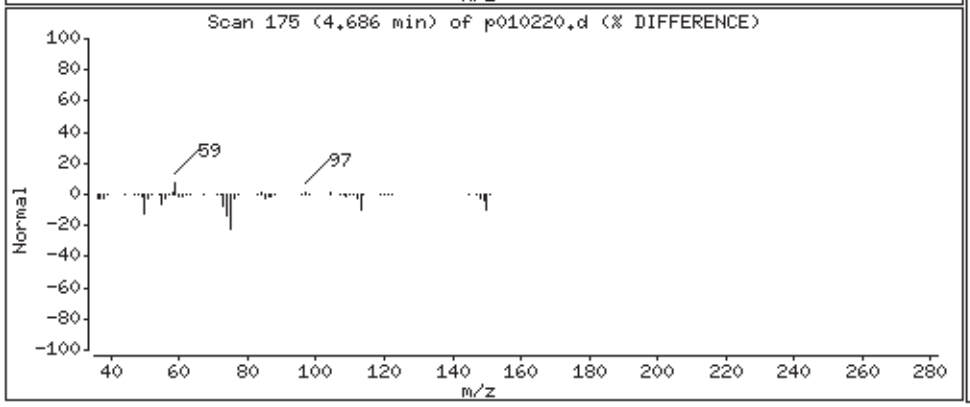
9 1,4-Dichlorobenzene*

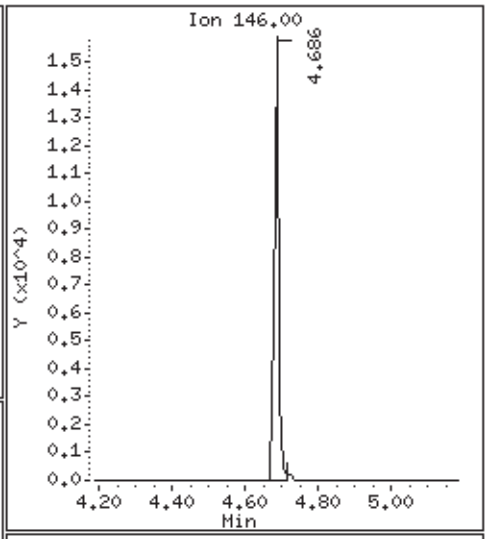
Concentration: 2.538 ug

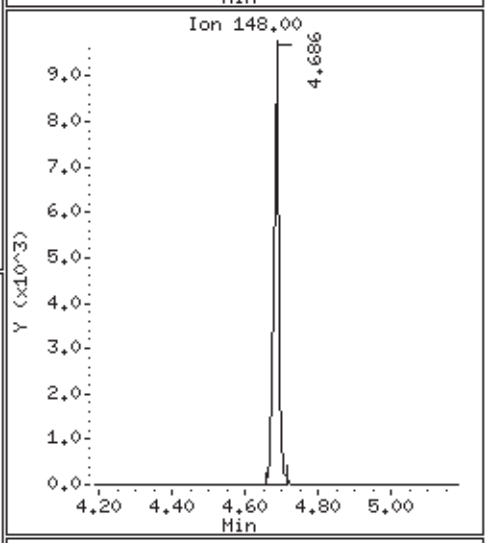


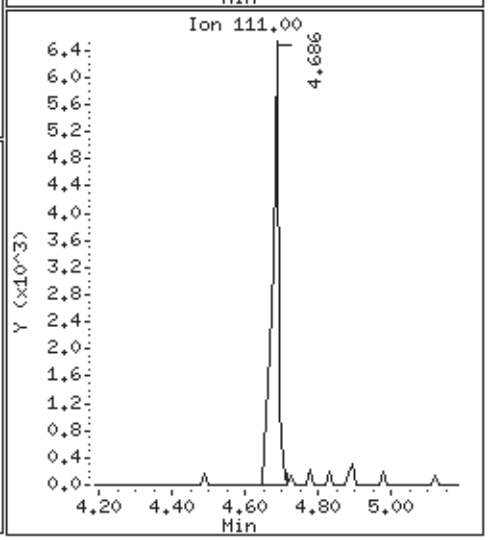












Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

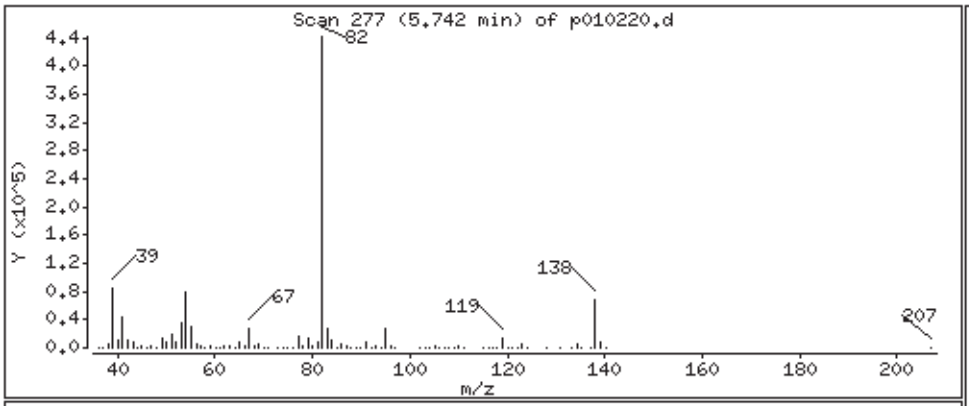
Operator: LP

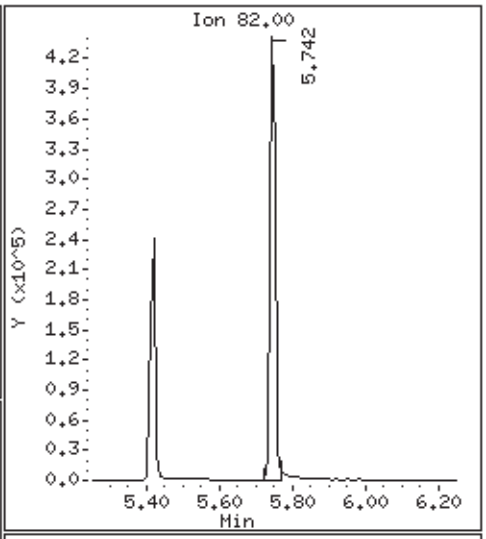
Column phase: DB-5.625

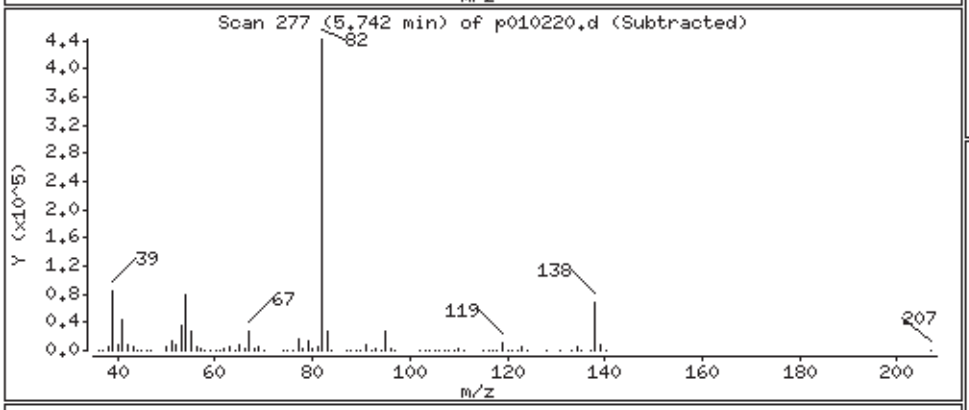
Column diameter: 0.25

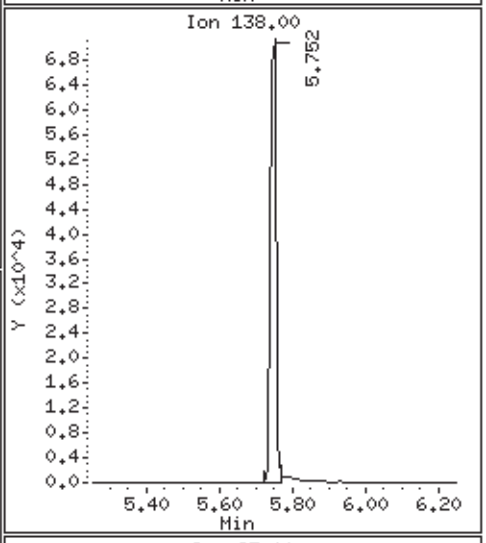
19 Isophorone

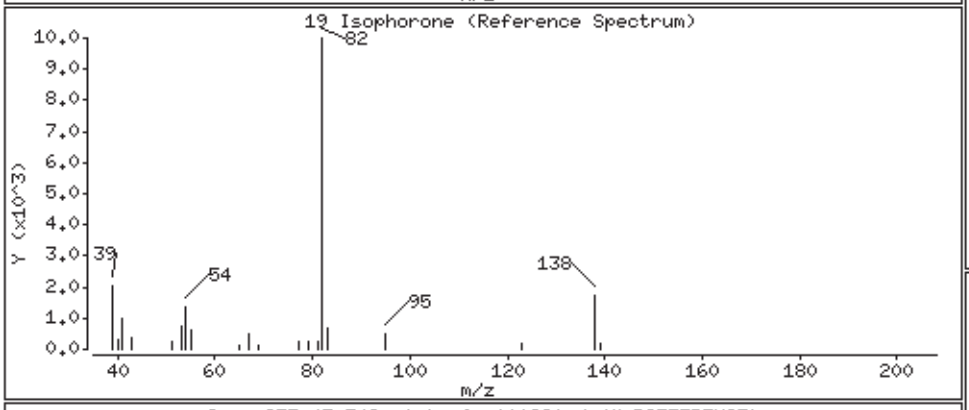
Concentration: 43.23 ug

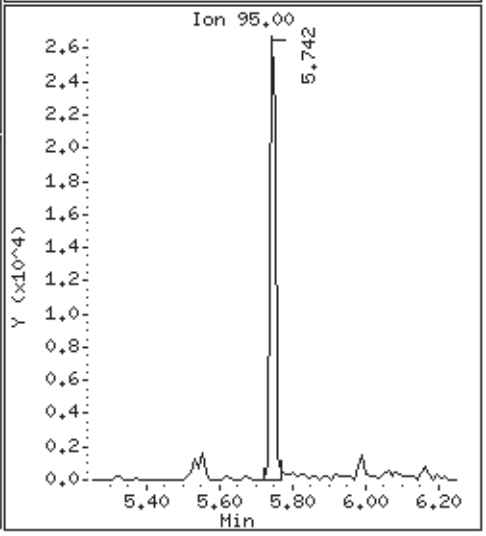


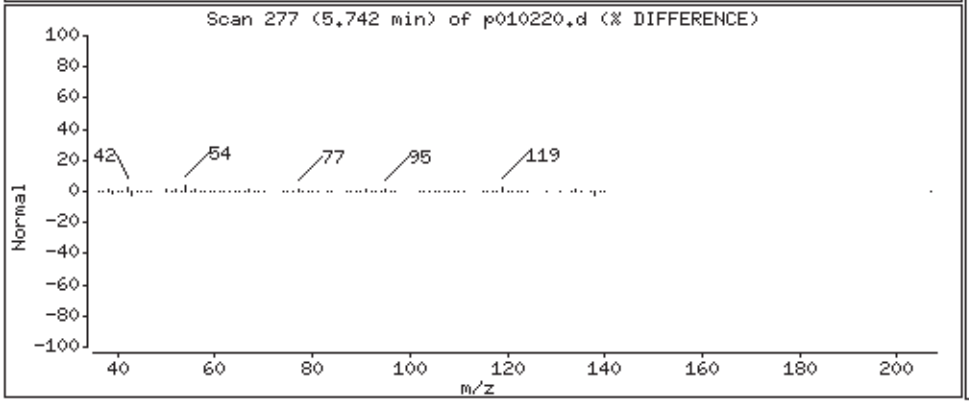












Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

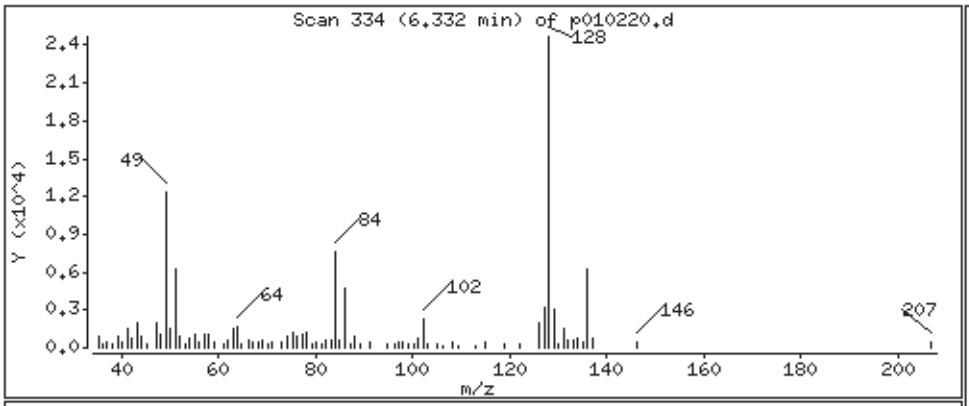
Operator: LP

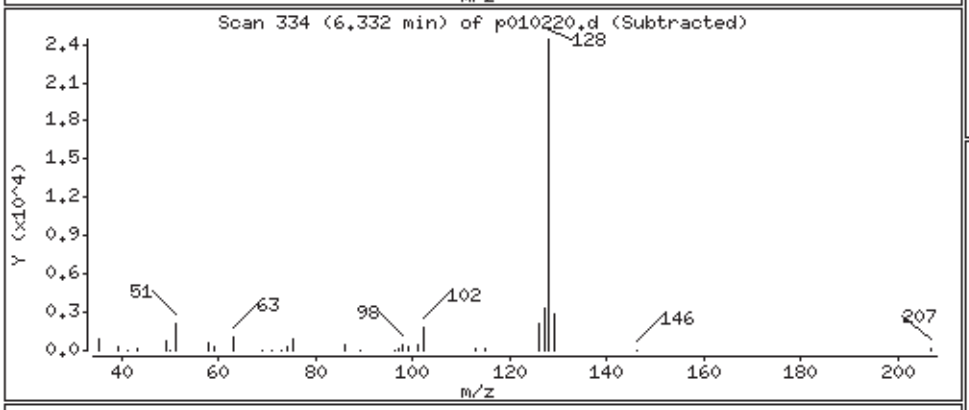
Column phase: DB-5.625

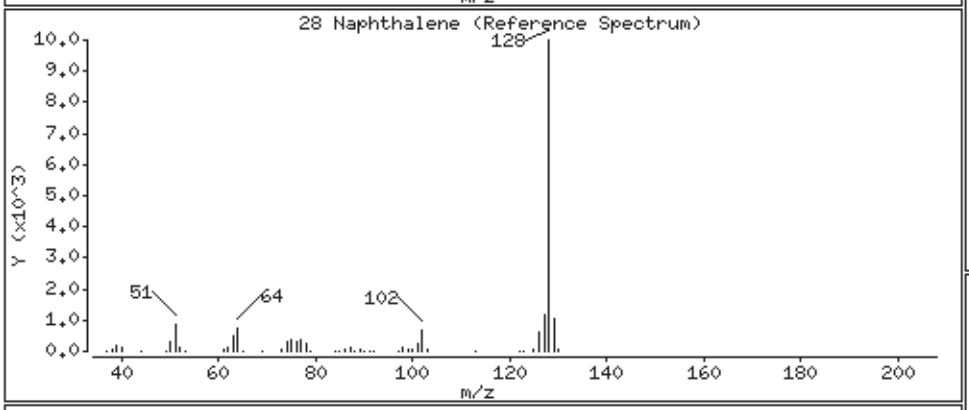
Column diameter: 0.25

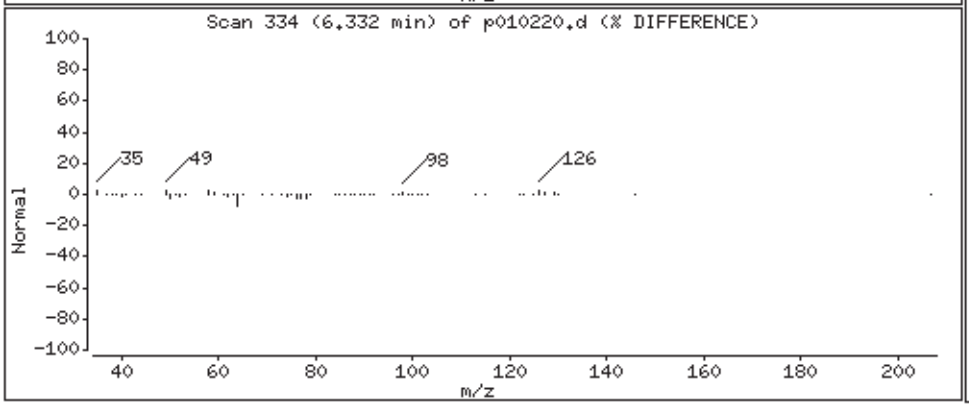
28 Naphthalene

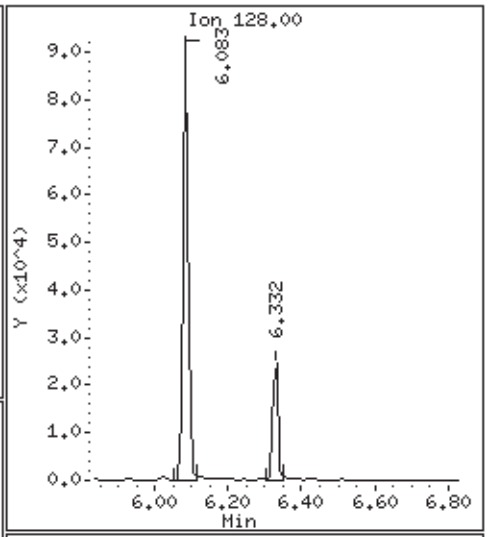
Concentration: 1.658 ug

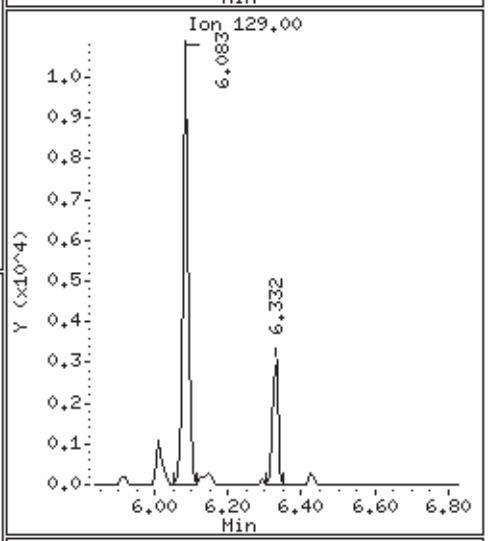


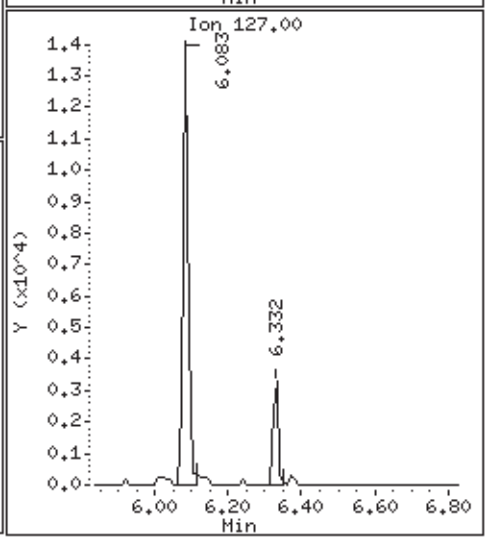












Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

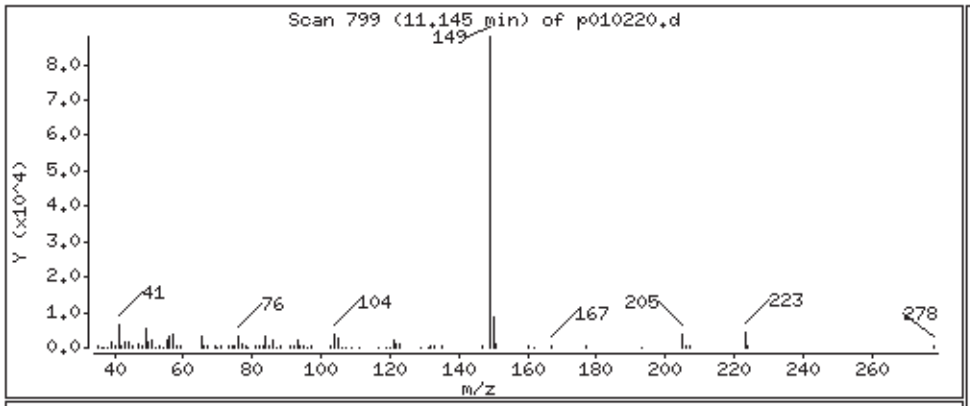
Operator: LP

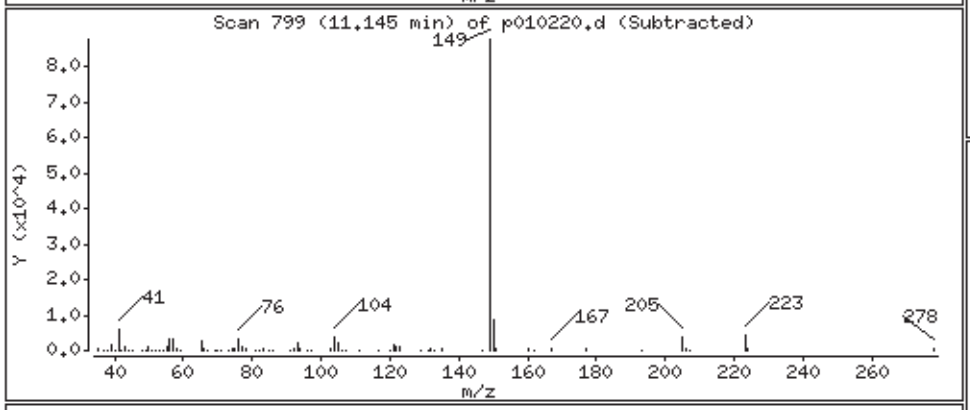
Column phase: DB-5.625

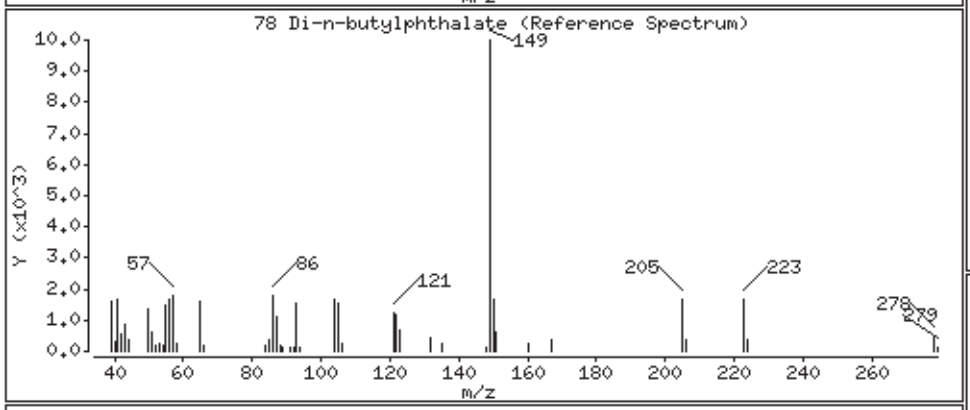
Column diameter: 0.25

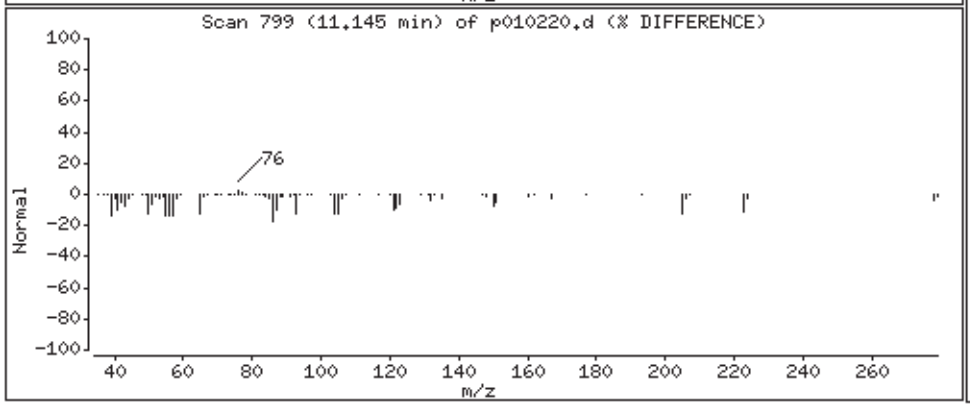
78 Di-n-butylphthalate

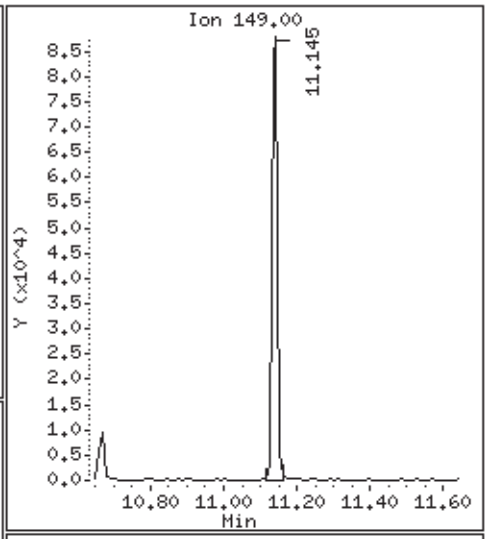
Concentration: 6.004 ug

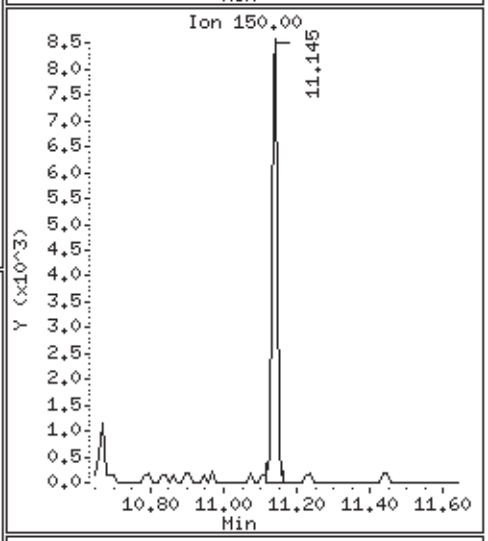


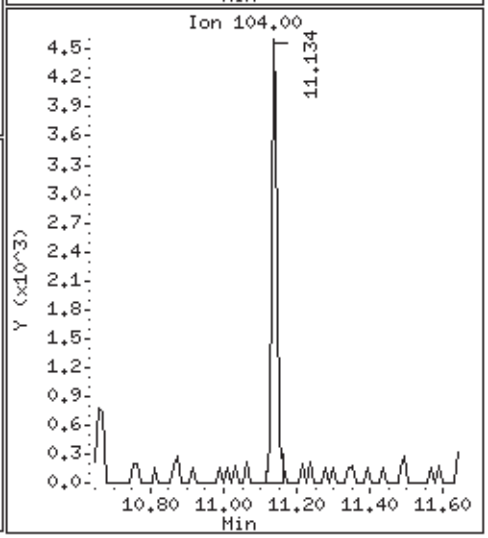












Data File: /chem/msdp.i/p02jan08.b/p010220.d

Date : 02-JAN-2008 19:31

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-02A;

Volume Injected (uL): 1.0

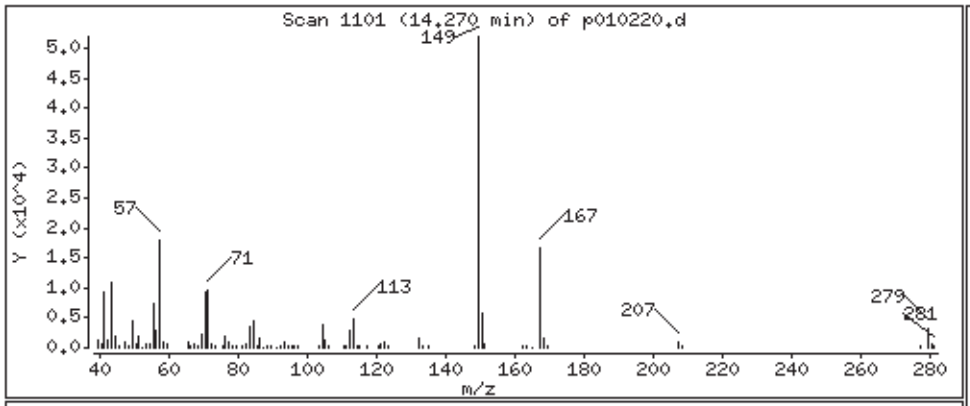
Operator: LP

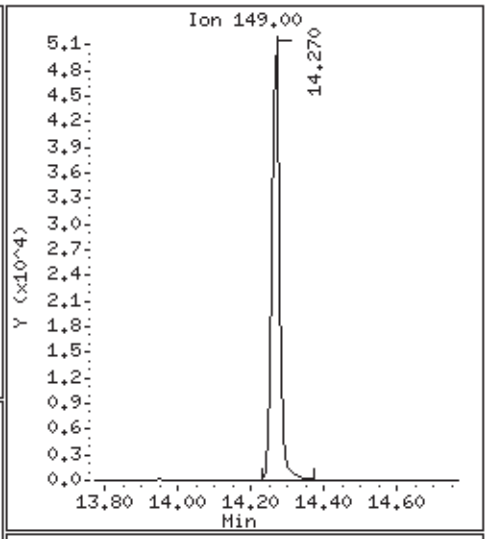
Column phase: DB-5.625

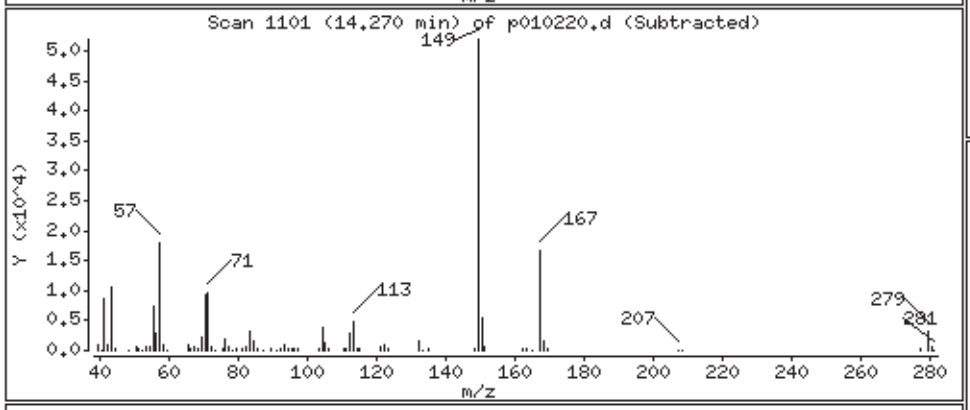
Column diameter: 0.25

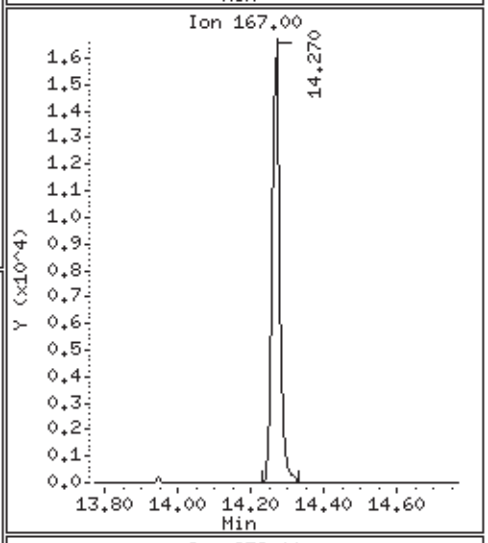
93 bis(2-ethylhexyl)Phthalate

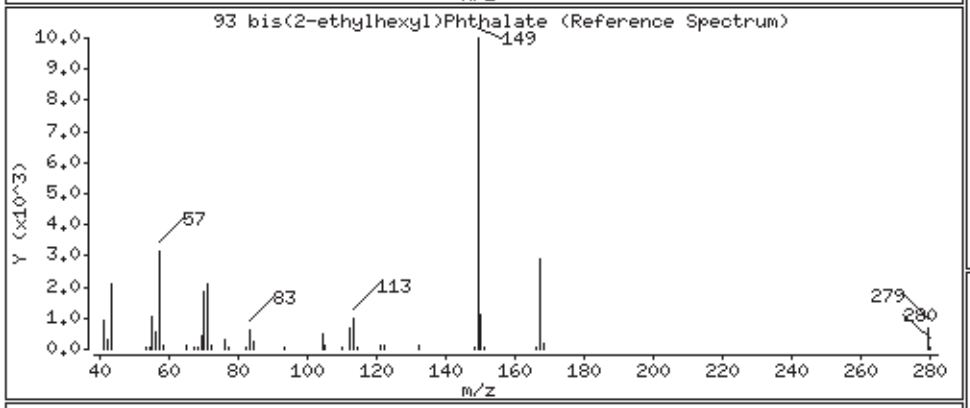
Concentration: 7.680 ug

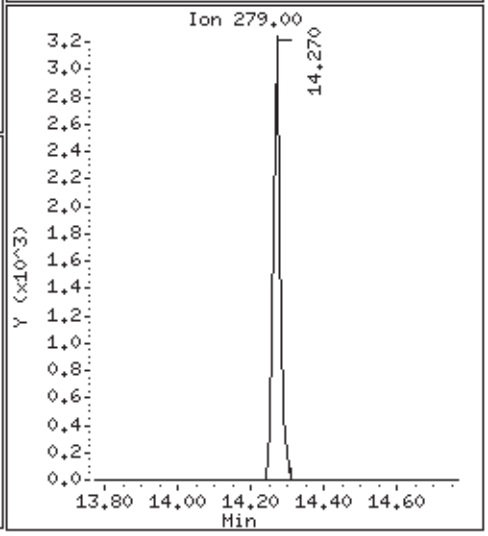


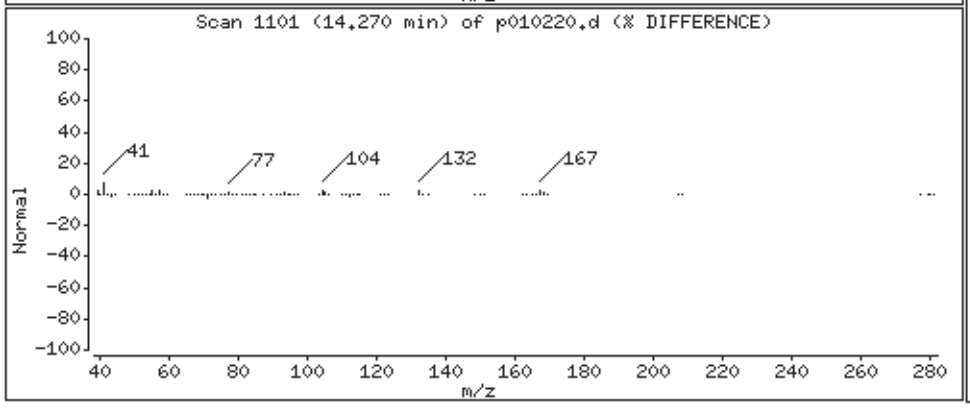












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: A-03 (exterior)

Lab ID#: 0712491-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,4-Dichlorobenzene	0.066	0.16	0.40	0.94

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712491-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010221**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 08:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.52	Not Detected	2.0	Not Detected
bis(2-Chloroethyl) Ether	0.068	Not Detected	0.40	Not Detected
2-Chlorophenol	0.38	Not Detected	2.0	Not Detected
1,3-Dichlorobenzene	0.066	Not Detected	0.40	Not Detected
1,4-Dichlorobenzene	0.066	0.16	0.40	0.94
1,2-Dichlorobenzene	0.066	Not Detected	0.40	Not Detected
2-Methylphenol (o-Cresol)	0.45	Not Detected	2.0	Not Detected
bis(2-Chloroisopropyl) Ether	0.057	Not Detected	0.40	Not Detected
N-Nitroso-di-n-propylamine	0.075	Not Detected	0.40	Not Detected
4-Methylphenol/3-Methylphenol	0.45	Not Detected	2.0	Not Detected
Hexachloroethane	0.041	Not Detected	0.40	Not Detected
Nitrobenzene	0.079	Not Detected	0.40	Not Detected
Isophorone	0.070	Not Detected	0.40	Not Detected
2-Nitrophenol	0.35	Not Detected	2.0	Not Detected
2,4-Dimethylphenol	0.40	Not Detected	2.0	Not Detected
Benzoic Acid	3.2	Not Detected	16	Not Detected
bis(2-Chloroethoxy) Methane	0.056	Not Detected	0.40	Not Detected
2,4-Dichlorophenol	0.30	Not Detected	2.0	Not Detected
1,2,4-Trichlorobenzene	0.054	Not Detected	0.40	Not Detected
Naphthalene	0.076	Not Detected	0.40	Not Detected
4-Chloroaniline	0.76	Not Detected	4.0	Not Detected
Hexachlorobutadiene	0.037	Not Detected	0.40	Not Detected
4-Chloro-3-methylphenol	0.34	Not Detected	2.0	Not Detected
2-Methylnaphthalene	0.068	Not Detected	0.40	Not Detected
Hexachlorocyclopentadiene	0.71	Not Detected	8.0	Not Detected
2,4,6-Trichlorophenol	0.25	Not Detected	2.0	Not Detected
2,4,5-Trichlorophenol	0.25	Not Detected	2.0	Not Detected
2-Chloronaphthalene	0.060	Not Detected	0.40	Not Detected
2-Nitroaniline	0.70	Not Detected	4.0	Not Detected
Dimethylphthalate	0.25	Not Detected	2.0	Not Detected
Acenaphthylene	0.064	Not Detected	0.40	Not Detected
2,6-Dinitrotoluene	0.27	Not Detected	2.0	Not Detected
3-Nitroaniline	0.70	Not Detected	4.0	Not Detected
Acenaphthene	0.063	Not Detected	0.40	Not Detected
2,4-Dinitrophenol	1.0	Not Detected	8.0	Not Detected
4-Nitrophenol	1.4	Not Detected	8.0	Not Detected
2,4-Dinitrotoluene	0.27	Not Detected	2.0	Not Detected
Dibenzofuran	0.058	Not Detected	0.40	Not Detected
Diethylphthalate	0.44	Not Detected	4.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712491-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010221**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 08:00 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.059	Not Detected	0.40	Not Detected
4-Chlorophenyl-phenyl Ether	0.048	Not Detected	0.40	Not Detected
4-Nitroaniline	0.70	Not Detected	4.0	Not Detected
4,6-Dinitro-2-methylphenol	0.49	Not Detected	4.0	Not Detected
N-Nitrosodiphenylamine	0.49	Not Detected	4.0	Not Detected
4-Bromophenyl-phenyl Ether	0.039	Not Detected	0.40	Not Detected
Hexachlorobenzene	0.034	Not Detected	0.40	Not Detected
Pentachlorophenol	0.73	Not Detected	8.0	Not Detected
Phenanthrene	0.055	Not Detected	0.40	Not Detected
Anthracene	0.055	Not Detected	0.40	Not Detected
di-n-Butylphthalate	0.18	Not Detected	2.0	Not Detected
Fluoranthene	0.048	Not Detected	0.40	Not Detected
Pyrene	0.048	Not Detected	0.40	Not Detected
Butylbenzylphthalate	0.16	Not Detected	2.0	Not Detected
3,3'-Dichlorobenzidine	0.77	Not Detected	8.0	Not Detected
Chrysene	0.043	Not Detected	0.40	Not Detected
Benzo(a)anthracene	0.043	Not Detected	0.40	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	Not Detected	2.0	Not Detected
Di-n-Octylphthalate	0.12	Not Detected	2.0	Not Detected
Benzo(b)fluoranthene	0.039	Not Detected	0.40	Not Detected
Benzo(k)fluoranthene	0.039	Not Detected	0.40	Not Detected
Benzo(a)pyrene	0.039	Not Detected	0.40	Not Detected
Indeno(1,2,3-c,d)pyrene	0.039	Not Detected	0.40	Not Detected
Dibenz(a,h)anthracene	0.035	Not Detected	0.40	Not Detected
Benzo(g,h,i)perylene	0.035	Not Detected	0.40	Not Detected

Air Sample Volume(L): 2510

Extraction Date:12/26/07

Container Type: PUF/XAD Cartridge-Low Volume

Surrogates	%Recovery	Method Limits
2-Fluorophenol	70	50-150
Phenol-d5	75	50-150
Nitrobenzene-d5	76	50-150
2,4,6-Tribromophenol	61	50-150
Fluorene-d10	78	60-120
Pyrene-d10	80	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010221.d
Lab Smp Id: 0712491-03A
Inj Date : 02-JAN-2008 20:00
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-03A;
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO13.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$	1 2-Fluorophenol	112	3.195	3.196	(0.685)	209548	35.0961	35.10
$	2 Phenol-d5	99	4.293	4.293	(0.920)	285871	37.7407	37.74
	3 Phenol*	94	Compound Not Detected.					
	4 bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	5 2-Chlorophenol	128	Compound Not Detected.					
	6 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	7 1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	260252	40.0000	
	9 1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	15661	2.35863	2.359
	11 1,2-Dichlorobenzene	146	Compound Not Detected.					
	12 2-Methylphenol	108	Compound Not Detected.					
	13 bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
	14 4-Methylphenol	108	Compound Not Detected.					
	15 N-Nitrosodipropylamine**	70	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
	16 Hexachloroethane	117	Compound Not Detected.					
$	17 Nitrobenzene-d5	82	5.421	5.421	(0.860)	278443	38.2249	38.22
	18 Nitrobenzene	77	Compound Not Detected.					
	19 Isophorone	82	Compound Not Detected.					
	20 2-Nitrophenol*	139	Compound Not Detected.					
	21 2,4-Dimethylphenol	122	Compound Not Detected.					
	23 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic Acid	122	Compound Not Detected.					
	25 2,4-Dichlorophenol*	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	6.301	6.301	(1.000)	676073	40.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene*	225	Compound Not Detected.					
	32 4-Chloro-3-Methylphenol*	107	Compound Not Detected.					
	33 2-Methylnaphthalene	142	Compound Not Detected.					
	145 1-Methylnaphthalene	142	Compound Not Detected.					
	35 Hexachlorocyclopentadiene**	237	Compound Not Detected.					
	36 2,4,6-Trichlorophenol*	196	Compound Not Detected.					
	37 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	39 2-Chloronaphthalene	162	Compound Not Detected.					
	40 2-Nitroaniline	65	Compound Not Detected.					
	42 Dimethylphthalate	163	Compound Not Detected.					
	45 Acenaphthylene	152	Compound Not Detected.					
	44 2,6-Dinitrotoluene	165	Compound Not Detected.					
	46 3-Nitroaniline	138	Compound Not Detected.					
*	47 Acenaphthene-d10	164	8.515	8.516	(1.000)	393497	40.0000	
	48 Acenaphthene*	154	Compound Not Detected.					
	49 2,4-Dinitrophenol**	184	Compound Not Detected.					
	50 4-Nitrophenol**	109	Compound Not Detected.					
	51 Dibenzofuran	168	Compound Not Detected.					
	52 2,4-Dinitrotoluene	165	Compound Not Detected.					
$	147 Fluorene-d10	176	9.136	9.137	(1.073)	418327	38.7516	38.75
	56 Diethylphthalate	149	Compound Not Detected.					
	57 Fluorene	166	Compound Not Detected.					
	58 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
	59 4-Nitroaniline	138	Compound Not Detected.					
	60 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	61 N-nitrosodiphenylamine*	169	Compound Not Detected.					
$	62 2,4,6-Tribromophenol	330	9.488	9.489	(1.114)	51536	30.5046	30.50
	65 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
	66 Hexachlorobenzene	284	Compound Not Detected.					
	68 Pentachlorophenol*	266	Compound Not Detected.					
*	71 Phenanthrene-d10	188	10.296	10.296	(1.000)	659653	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
	73 Anthracene	178	Compound Not Detected.					
	78 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
80 Fluoranthene*	202	Compound Not Detected.					
$ 148 Pyrene-d10	212	12.045	12.045	(0.863)	586753	39.8446	39.84
81 Pyrene	202	Compound Not Detected.					
85 Butyl benzyl phthalate	149	Compound Not Detected.					
88 Benzo(a)Anthracene	228	Compound Not Detected.					
* 90 Chrysene-d12	240	13.949	13.950	(1.000)	588541	40.0000	
89 3 3'-Dichlorobenzidine	252	Compound Not Detected.					
91 Chrysene	228	Compound Not Detected.					
93 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
94 Di-n-octyl phthalate*	149	Compound Not Detected.					
95 Benzo(b)fluoranthene	252	Compound Not Detected.					
96 Benzo(k)fluoranthene	252	Compound Not Detected.					
98 Benzo(a)pyrene*	252	Compound Not Detected.					
* 99 Perylene-d12	264	16.475	16.475	(1.000)	399840	40.0000	
103 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
104 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
105 Benzo(g,h,i)perylene	276	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010221.d
Lab Smp Id: 0712491-03A
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	260252	-5.50
27 Naphthalene-d8	642799	321400	1285598	676073	5.18
47 Acenaphthene-d10	331958	165979	663916	393497	18.54
71 Phenanthrene-d10	574512	287256	1149024	659653	14.82
90 Chrysene-d12	505378	252689	1010756	588541	16.46
99 Perylene-d12	377169	188584	754338	399840	6.01

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 08-Jan-2008 11:23

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-03A
Level: LOW Operator: LP
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PAH100.spk Quant Type: ISTD
Sublist File: TO13.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	50.00	35.10	70.19	50-150
$ 2 Phenol-d5	50.00	37.74	75.48	50-150
$ 17 Nitrobenzene-d5	50.00	38.22	76.45	50-150
$ 147 Fluorene-d10	50.00	38.75	77.50	60-120
$ 62 2,4,6-Tribromophen	50.00	30.50	61.01	50-150
$ 148 Pyrene-d10	50.00	39.84	79.69	60-120

Data File: /chem/msdp.i/p02jan08.b/p010221.d

Date : 02-JAN-2008 20:00

Client ID:

Sample Info: ;0712491-03A;

Volume Injected (uL): 1.0

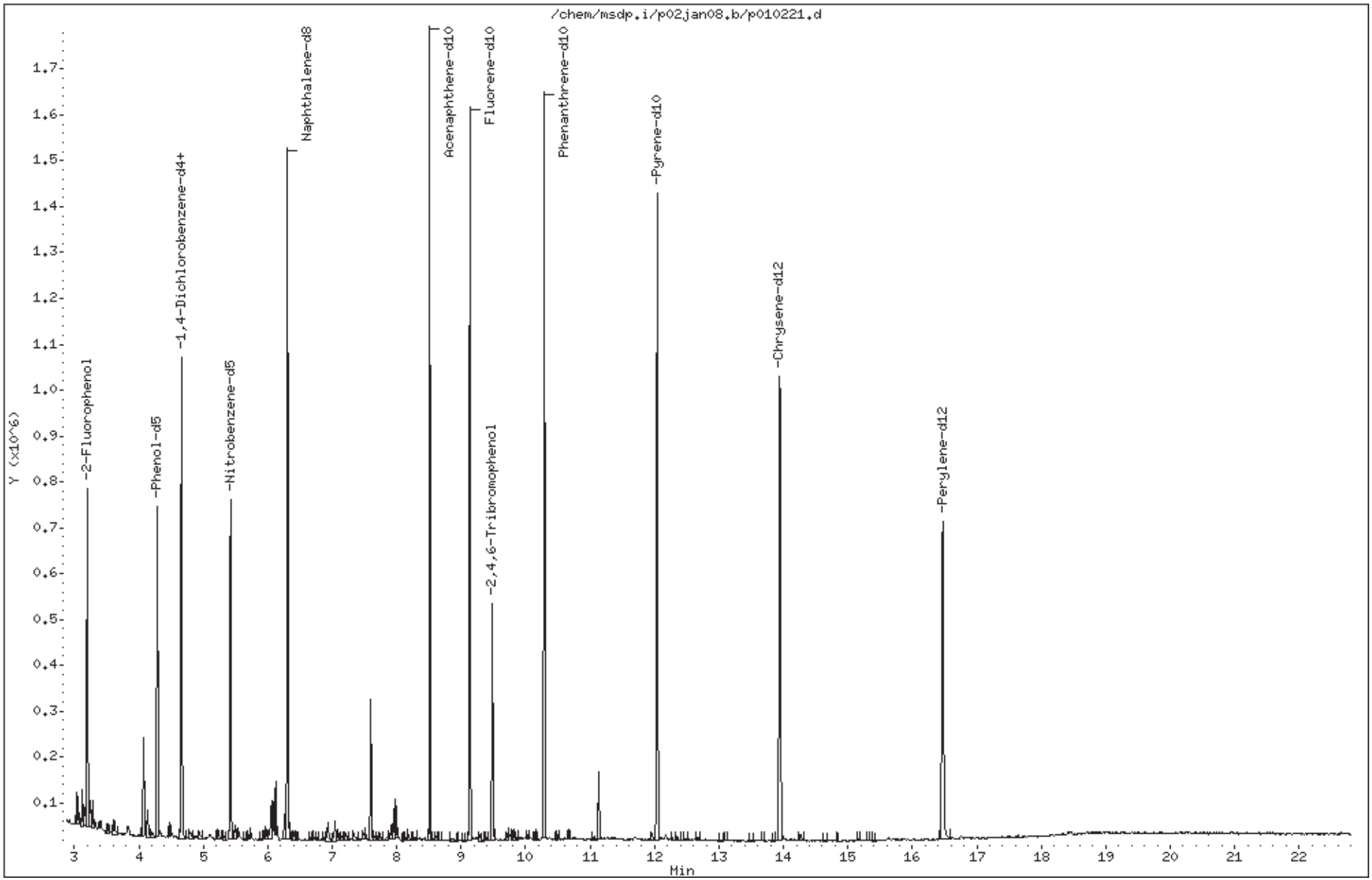
Column phase: DB-5.625

Instrument: msdp.i

Operator: LP

Column diameter: 0.25

0054



Data File: /chem/msdp.i/p02jan08.b/p010221.d

Date : 02-JAN-2008 20:00

Client ID:

Instrument: msdp.i

Sample Info: ;0712491-03A;

Volume Injected (uL): 1.0

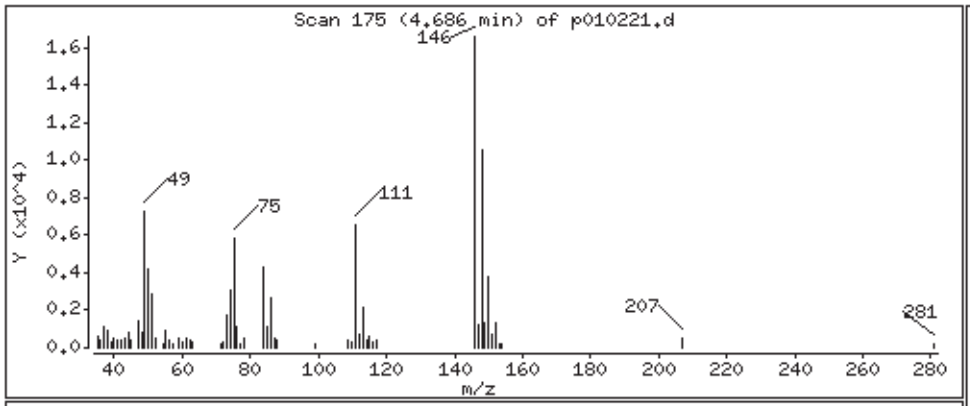
Operator: LP

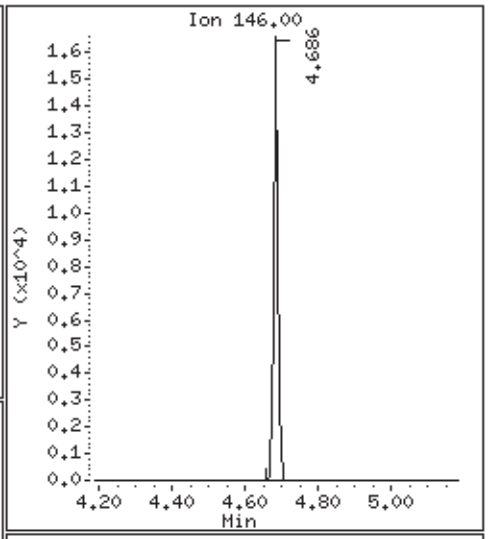
Column phase: DB-5.625

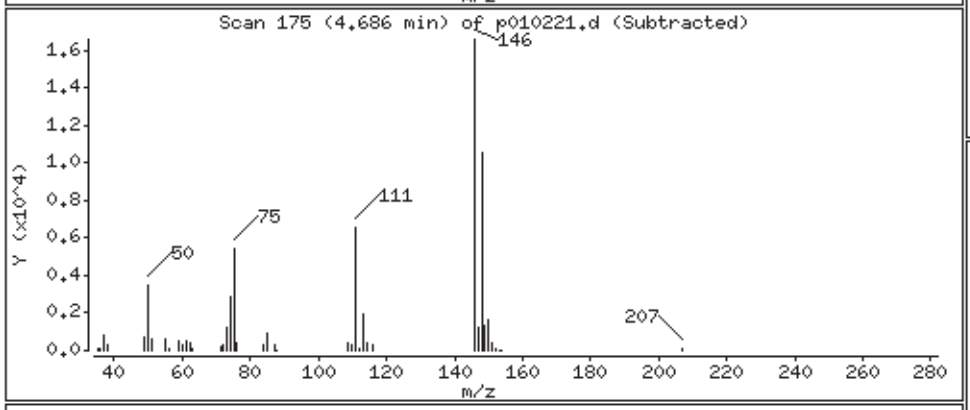
Column diameter: 0.25

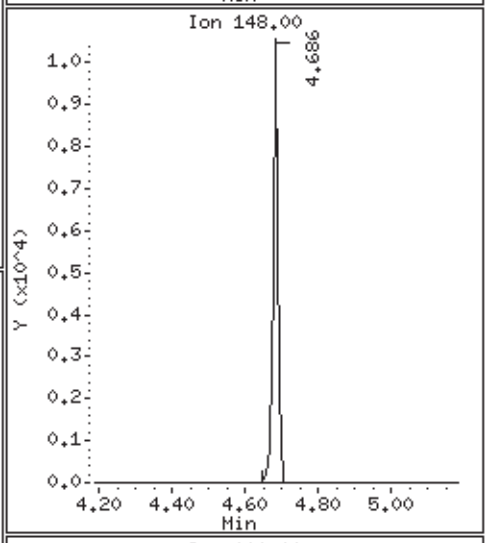
9 1,4-Dichlorobenzene*

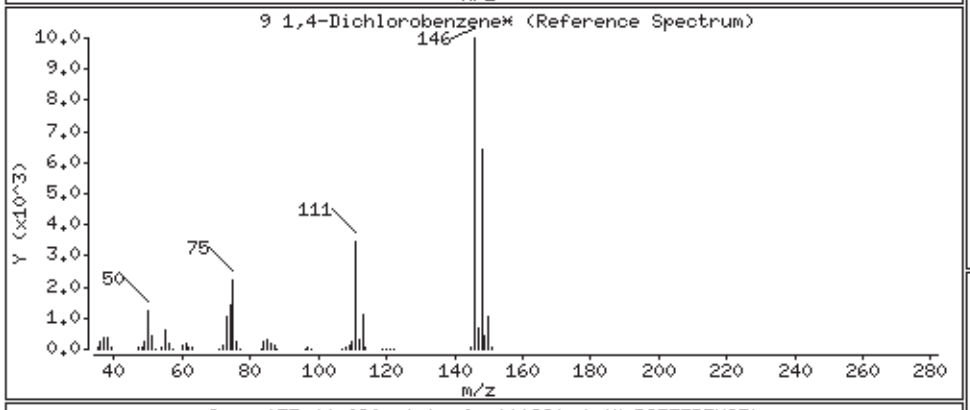
Concentration: 2.359 ug

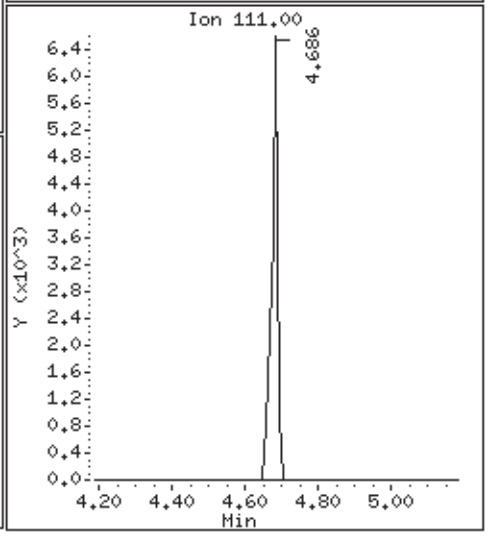


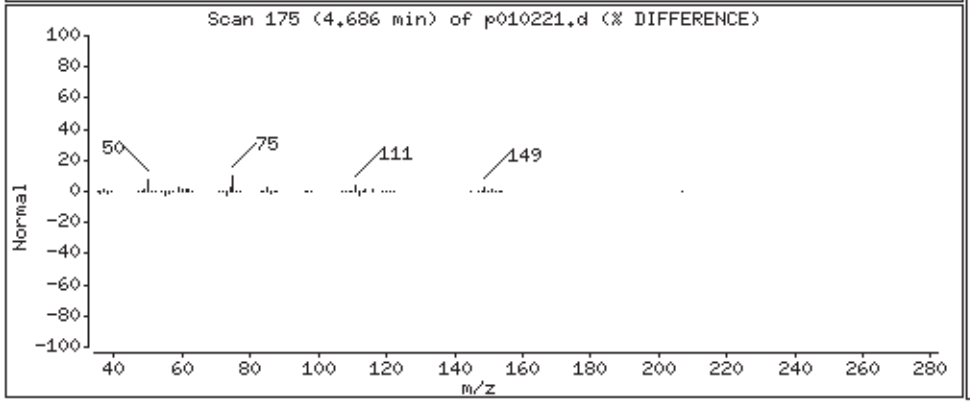












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712491-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010216**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 05:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Phenol	0.48	Not Detected	1.8	Not Detected
bis(2-Chloroethyl) Ether	0.063	Not Detected	0.37	Not Detected
2-Chlorophenol	0.35	Not Detected	1.8	Not Detected
1,3-Dichlorobenzene	0.062	Not Detected	0.37	Not Detected
1,4-Dichlorobenzene	0.062	Not Detected	0.37	Not Detected
1,2-Dichlorobenzene	0.062	Not Detected	0.37	Not Detected
2-Methylphenol (o-Cresol)	0.42	Not Detected	1.8	Not Detected
bis(2-Chloroisopropyl) Ether	0.053	Not Detected	0.37	Not Detected
N-Nitroso-di-n-propylamine	0.070	Not Detected	0.37	Not Detected
4-Methylphenol/3-Methylphenol	0.42	Not Detected	1.8	Not Detected
Hexachloroethane	0.038	Not Detected	0.37	Not Detected
Nitrobenzene	0.074	Not Detected	0.37	Not Detected
Isophorone	0.066	Not Detected	0.37	Not Detected
2-Nitrophenol	0.32	Not Detected	1.8	Not Detected
2,4-Dimethylphenol	0.37	Not Detected	1.8	Not Detected
Benzoic Acid	3.0	Not Detected	15	Not Detected
bis(2-Chloroethoxy) Methane	0.052	Not Detected	0.37	Not Detected
2,4-Dichlorophenol	0.28	Not Detected	1.8	Not Detected
1,2,4-Trichlorobenzene	0.050	Not Detected	0.37	Not Detected
Naphthalene	0.071	Not Detected	0.37	Not Detected
4-Chloroaniline	0.71	Not Detected	3.7	Not Detected
Hexachlorobutadiene	0.035	Not Detected	0.37	Not Detected
4-Chloro-3-methylphenol	0.32	Not Detected	1.8	Not Detected
2-Methylnaphthalene	0.064	Not Detected	0.37	Not Detected
Hexachlorocyclopentadiene	0.66	Not Detected	7.4	Not Detected
2,4,6-Trichlorophenol	0.23	Not Detected	1.8	Not Detected
2,4,5-Trichlorophenol	0.23	Not Detected	1.8	Not Detected
2-Chloronaphthalene	0.056	Not Detected	0.37	Not Detected
2-Nitroaniline	0.66	Not Detected	3.7	Not Detected
Dimethylphthalate	0.23	Not Detected	1.8	Not Detected
Acenaphthylene	0.059	Not Detected	0.37	Not Detected
2,6-Dinitrotoluene	0.25	Not Detected	1.8	Not Detected
3-Nitroaniline	0.66	Not Detected	3.7	Not Detected
Acenaphthene	0.059	Not Detected	0.37	Not Detected
2,4-Dinitrophenol	0.98	Not Detected	7.4	Not Detected
4-Nitrophenol	1.3	Not Detected	7.4	Not Detected
2,4-Dinitrotoluene	0.25	Not Detected	1.8	Not Detected
Dibenzofuran	0.054	Not Detected	0.37	Not Detected
Diethylphthalate	0.41	Not Detected	3.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712491-04A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010216**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 05:33 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Fluorene	0.054	Not Detected	0.37	Not Detected
4-Chlorophenyl-phenyl Ether	0.044	Not Detected	0.37	Not Detected
4-Nitroaniline	0.66	Not Detected	3.7	Not Detected
4,6-Dinitro-2-methylphenol	0.46	Not Detected	3.7	Not Detected
N-Nitrosodiphenylamine	0.46	Not Detected	3.7	Not Detected
4-Bromophenyl-phenyl Ether	0.036	Not Detected	0.37	Not Detected
Hexachlorobenzene	0.032	Not Detected	0.37	Not Detected
Pentachlorophenol	0.68	Not Detected	7.4	Not Detected
Phenanthrene	0.051	Not Detected	0.37	Not Detected
Anthracene	0.051	Not Detected	0.37	Not Detected
di-n-Butylphthalate	0.16	Not Detected	1.8	Not Detected
Fluoranthene	0.045	Not Detected	0.37	Not Detected
Pyrene	0.045	Not Detected	0.37	Not Detected
Butylbenzylphthalate	0.14	Not Detected	1.8	Not Detected
3,3'-Dichlorobenzidine	0.72	Not Detected	7.4	Not Detected
Chrysene	0.040	Not Detected	0.37	Not Detected
Benzo(a)anthracene	0.040	Not Detected	0.37	Not Detected
bis(2-Ethylhexyl)phthalate	0.12	Not Detected	1.8	Not Detected
Di-n-Octylphthalate	0.12	Not Detected	1.8	Not Detected
Benzo(b)fluoranthene	0.036	Not Detected	0.37	Not Detected
Benzo(k)fluoranthene	0.036	Not Detected	0.37	Not Detected
Benzo(a)pyrene	0.036	Not Detected	0.37	Not Detected
Indeno(1,2,3-c,d)pyrene	0.036	Not Detected	0.37	Not Detected
Dibenz(a,h)anthracene	0.032	Not Detected	0.37	Not Detected
Benzo(g,h,i)perylene	0.033	Not Detected	0.37	Not Detected

Air Sample Volume(L): 2700

Extraction Date:12/26/07

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	72	50-150
Phenol-d5	72	50-150
Nitrobenzene-d5	74	50-150
2,4,6-Tribromophenol	62	50-150
Fluorene-d10	78	60-120
Pyrene-d10	80	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010216.d
Lab Smp Id: 0712491-Blank Client Smp ID: Lab Blank
Inj Date : 02-JAN-2008 17:33
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-Blank;Lab Blank
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO13.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$ 1	2-Fluorophenol	112	3.195	3.196	(0.685)	206331	35.9649	35.96
$ 2	Phenol-d5	99	4.293	4.293	(0.920)	263255	36.1706	36.17
3	Phenol*	94	Compound Not Detected.					
4	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
5	2-Chlorophenol	128	Compound Not Detected.					
6	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 7	1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	250066	40.0000	
9	1,4-Dichlorobenzene*	146	Compound Not Detected.					
11	1,2-Dichlorobenzene	146	Compound Not Detected.					
12	2-Methylphenol	108	Compound Not Detected.					
13	bis(2-Chloroisopropyl)ether	45	Compound Not Detected.					
14	4-Methylphenol	108	Compound Not Detected.					
15	N-Nitrosodipropylamine**	70	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
	16 Hexachloroethane	117	Compound Not Detected.					
$	17 Nitrobenzene-d5	82	5.421	5.421	(0.860)	263002	36.7754	36.78
	18 Nitrobenzene	77	Compound Not Detected.					
	19 Isophorone	82	Compound Not Detected.					
	20 2-Nitrophenol*	139	Compound Not Detected.					
	21 2,4-Dimethylphenol	122	Compound Not Detected.					
	23 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic Acid	122	Compound Not Detected.					
	25 2,4-Dichlorophenol*	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	6.300	6.301	(1.000)	663752	40.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene*	225	Compound Not Detected.					
	32 4-Chloro-3-Methylphenol*	107	Compound Not Detected.					
	33 2-Methylnaphthalene	142	Compound Not Detected.					
	145 1-Methylnaphthalene	142	Compound Not Detected.					
	35 Hexachlorocyclopentadiene**	237	Compound Not Detected.					
	36 2,4,6-Trichlorophenol*	196	Compound Not Detected.					
	37 2,4,5-Trichlorophenol	196	Compound Not Detected.					
	39 2-Chloronaphthalene	162	Compound Not Detected.					
	40 2-Nitroaniline	65	Compound Not Detected.					
	42 Dimethylphthalate	163	Compound Not Detected.					
	45 Acenaphthylene	152	Compound Not Detected.					
	44 2,6-Dinitrotoluene	165	Compound Not Detected.					
	46 3-Nitroaniline	138	Compound Not Detected.					
*	47 Acenaphthene-d10	164	8.515	8.516	(1.000)	379101	40.0000	
	48 Acenaphthene*	154	Compound Not Detected.					
	49 2,4-Dinitrophenol**	184	Compound Not Detected.					
	50 4-Nitrophenol**	109	Compound Not Detected.					
	51 Dibenzofuran	168	Compound Not Detected.					
	52 2,4-Dinitrotoluene	165	Compound Not Detected.					
$	147 Fluorene-d10	176	9.136	9.137	(1.073)	405458	38.9857	38.98
	56 Diethylphthalate	149	Compound Not Detected.					
	57 Fluorene	166	Compound Not Detected.					
	58 4-Chlorophenyl phenyl ether	204	Compound Not Detected.					
	59 4-Nitroaniline	138	Compound Not Detected.					
	60 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	61 N-nitrosodiphenylamine*	169	Compound Not Detected.					
$	62 2,4,6-Tribromophenol	330	9.488	9.489	(1.114)	50047	30.7481	30.75
	65 4-Bromophenyl phenyl ether	248	Compound Not Detected.					
	66 Hexachlorobenzene	284	Compound Not Detected.					
	68 Pentachlorophenol*	266	Compound Not Detected.					
*	71 Phenanthrene-d10	188	10.296	10.296	(1.000)	644208	40.0000	
	72 Phenanthrene	178	Compound Not Detected.					
	73 Anthracene	178	Compound Not Detected.					
	78 Di-n-butylphthalate	149	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
80	Fluoranthene*	202	Compound Not Detected.					
$ 148	Pyrene-d10	212	12.045	12.045	(0.863)	586500	40.1203	40.12
81	Pyrene	202	Compound Not Detected.					
85	Butyl benzyl phthalate	149	Compound Not Detected.					
88	Benzo(a)Anthracene	228	Compound Not Detected.					
* 90	Chrysene-d12	240	13.949	13.950	(1.000)	584244	40.0000	
89	3 3'-Dichlorobenzidine	252	Compound Not Detected.					
91	Chrysene	228	Compound Not Detected.					
93	bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
94	Di-n-octyl phthalate*	149	Compound Not Detected.					
95	Benzo(b)fluoranthene	252	Compound Not Detected.					
96	Benzo(k)fluoranthene	252	Compound Not Detected.					
98	Benzo(a)pyrene*	252	Compound Not Detected.					
* 99	Perylene-d12	264	16.475	16.475	(1.000)	397053	40.0000	
103	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
104	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
105	Benzo(g,h,i)perylene	276	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010216.d
Lab Smp Id: 0712491-Blank
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Client Smp ID: Lab Blank
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	250066	-9.20
27 Naphthalene-d8	642799	321400	1285598	663752	3.26
47 Acenaphthene-d10	331958	165979	663916	379101	14.20
71 Phenanthrene-d10	574512	287256	1149024	644208	12.13
90 Chrysene-d12	505378	252689	1010756	584244	15.61
99 Perylene-d12	377169	188584	754338	397053	5.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.01
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

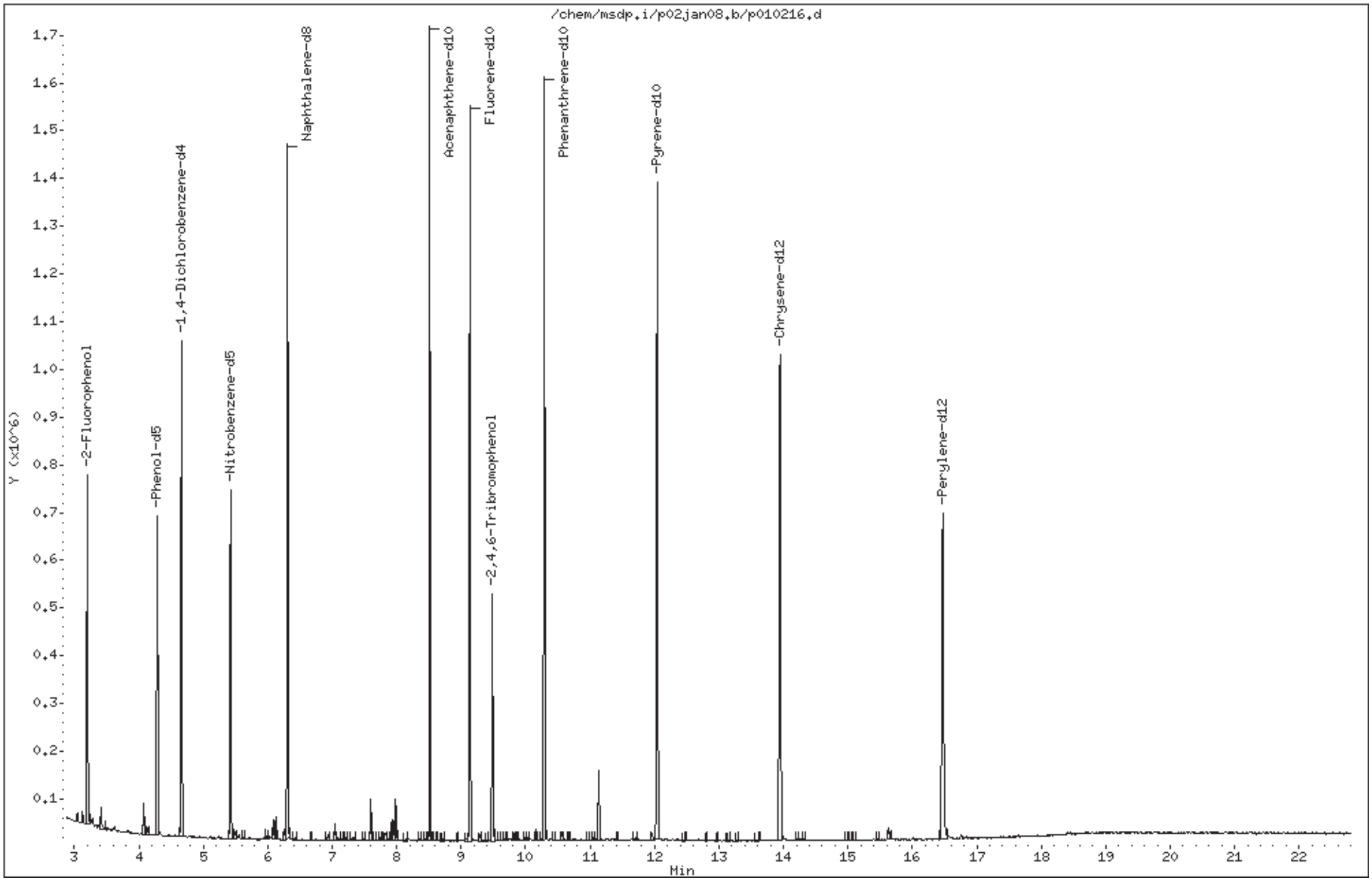
Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-Blank Client Smp ID: Lab Blank
Level: LOW Operator: LP
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: PAH100.spk Quant Type: ISTD
Sublist File: TO13.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	50.00	35.96	71.93	50-150
$ 2 Phenol-d5	50.00	36.17	72.34	50-150
$ 17 Nitrobenzene-d5	50.00	36.78	73.55	50-150
$ 147 Fluorene-d10	50.00	38.98	77.97	60-120
$ 62 2,4,6-Tribromophen	50.00	30.75	61.50	50-150
$ 148 Pyrene-d10	50.00	40.12	80.24	60-120

0064

Data File: /chem/msdp.i/p02jan08.b/p010216.d
Date : 02-JAN-2008 17:33
Client ID: Lab Blank
Sample Info: ;0712491-Blank;Lab Blank
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0712491

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		Pyrene-d10	#	Fluorene-d10	#	2-Fluorophenol	#	Nitrobenzene-d5	#	TOTAL OUT
01	A-01 (interior-west end)	79		85		76		80		0
02	A-01 (interior-west end) Lab Duplicate	83		84		77		80		0
03	A-02 (interior-east end)	87		84		70		78		0
04	A-03 (exterior)	80		78		70		76		0
05	Lab Blank	80		78		72		74		0
06	LCS	79		80		68		79		0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

Pyrene-d10 60 - 120
Fluorene-d10 60 - 120
2-Fluorophenol 50 - 150
Nitrobenzene-d5 50 - 150

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0712491

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		2,4,6-Tribromophenol	#	Phenol-d5	#		#		#	TOTAL OUT
01	A-01 (interior-west end)	71		79						0
02	A-01 (interior-west end) Lab Duplicate	74		80						0
03	A-02 (interior-east end)	66		80						0
04	A-03 (exterior)	61		75						0
05	Lab Blank	62		72						0
06	LCS	65		70						0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

2,4,6-Tribromophenol 50 - 150

Phenol-d5 50 - 150

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-13A GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0712491

Lab File ID: p010203.d | Date Analyzed: 01/02/2008

Instrument ID: msdp.i | Time Analyzed: 11:00 AM

		Naphthalene-d8 Area	#	RT	#	Acenaphthene-d12 Area	#	RT	#	Phenanthrene-d10 Area	#	RT	#
	24-HOUR STD	642799		6.3		331958		8.52		574512		10.3	
	UPPER LIMIT	1285598		06.63		663916		08.85		1149024		10.63	
	LOWER LIMIT	321400		05.97		165979		08.19		287256		09.97	
	CLIENT SAMPLE NO												
01	A-01 (interior-west end)	672402		6.3		392275		8.52		683492		10.3	
02	A-01 (interior-west end) Lab Duplicate	689896		6.3		396953		8.52		683866		10.3	
03	A-02 (interior-east end)	637803		6.3		356566		8.52		588273		10.3	
04	A-03 (exterior)	676073		6.3		393497		8.52		659653		10.3	
05	Lab Blank	663752		6.3		379101		8.52		644208		10.3	
06	LCS	658911		6.3		383015		8.52		662537		10.3	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

'Area Upper Limit=+200% of internal standard area'

'Area Lower Limit=-50% of internal standard area'

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-13A GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0712491

Lab File ID: p010203.d | Date Analyzed: 01/02/2008

Instrument ID: msdp.i | Time Analyzed: 11:00 AM

		Perylene-d12 Area	#	RT	#	Chrysene-d12 Area	#	RT	#	1,4-Dichlorobenzene-d4 Area	#	RT	#
	24-HOUR STD	377169		16.48		505378		13.95		275393		4.67	
	UPPER LIMIT	754338		16.81		1010756		14.28		550786		05.00	
	LOWER LIMIT	188584		16.15		252689		13.62		137696		04.34	
	CLIENT SAMPLE NO												
01	A-01 (interior-west end)	439304		16.47		630224		13.95		256212		4.67	
02	A-01 (interior-west end) Lab Duplicate	437932		16.47		624924		13.95		260074		4.67	
03	A-02 (interior-east end)	353077		16.47		507168		13.94		243315		4.67	
04	A-03 (exterior)	399840		16.47		588541		13.95		260252		4.67	
05	Lab Blank	397053		16.47		584244		13.95		250066		4.67	
06	LCS	410068		16.47		596864		13.95		272608		4.67	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

'Area Upper Limit=+200% of internal standard area'

'Area Lower Limit=-50% of internal standard area'

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: p010219.d & p010218.d

Lab Sample ID: 01A & 01AA Dilution: 1.00 & 1.00

Client Sample ID: & Date Analyzed: 1/2/08 & 1/2/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	2.521		2.504		0.68
95-95-4	2,4,5-Trichlorophenol	ND	U	ND	U	0
88-06-2	2,4,6-Trichlorophenol	ND	U	ND	U	0
120-83-2	2,4-Dichlorophenol	ND	U	ND	U	0
105-67-9	2,4-Dimethylphenol	ND	U	ND	U	0
51-28-5	2,4-Dinitrophenol	ND	U	ND	U	0
121-14-2	2,4-Dinitrotoluene	ND	U	ND	U	0
606-20-2	2,6-Dinitrotoluene	ND	U	ND	U	0
91-58-7	2-Chloronaphthalene	ND	U	ND	U	0
95-57-8	2-Chlorophenol	ND	U	ND	U	0
91-57-6	2-Methylnaphthalene	ND	U	ND	U	0
95-48-7	2-Methylphenol (o-Cresol)	ND	U	ND	U	0
88-74-4	2-Nitroaniline	ND	U	ND	U	0
88-75-5	2-Nitrophenol	ND	U	ND	U	0
91-94-1	3,3'-Dichlorobenzidine	ND	U	ND	U	0
99-09-2	3-Nitroaniline	ND	U	ND	U	0
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ND	U	0
101-55-3	4-Bromophenyl-phenyl Ether	ND	U	ND	U	0
59-50-7	4-Chloro-3-methylphenol	ND	U	ND	U	0
106-47-8	4-Chloroaniline	ND	U	ND	U	0
7005-72-3	4-Chlorophenyl-phenyl Ether	ND	U	ND	U	0
106-44-5	4-Methylphenol/3-Methylphenol	ND	U	ND	U	0
100-01-6	4-Nitroaniline	ND	U	ND	U	0
100-02-7	4-Nitrophenol	ND	U	ND	U	0
83-32-9	Acenaphthene	ND	U	ND	U	0
208-96-8	Acenaphthylene	ND	U	ND	U	0
120-12-7	Anthracene	ND	U	ND	U	0
56-55-3	Benzo(a)anthracene	ND	U	ND	U	0
50-32-8	Benzo(a)pyrene	ND	U	ND	U	0
205-99-2	Benzo(b)fluoranthene	ND	U	ND	U	0
191-24-2	Benzo(g,h,i)perylene	ND	U	ND	U	0
207-08-9	Benzo(k)fluoranthene	ND	U	ND	U	0
65-85-0	Benzoic Acid	ND	U	ND	U	0
111-91-1	bis(2-Chloroethoxy) Methane	ND	U	ND	U	0
111-44-4	bis(2-Chloroethyl) Ether	ND	U	ND	U	0
108-60-1	bis(2-Chloroisopropyl) Ether	ND	U	ND	U	0
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ND	U	0
85-68-7	Butylbenzylphthalate	ND	U	ND	U	0
218-01-9	Chrysene	ND	U	ND	U	0
53-70-3	Dibenz(a,h)anthracene	ND	U	ND	U	0
132-64-9	Dibenzofuran	ND	U	ND	U	0
84-66-2	Diethylphthalate	ND	U	ND	U	0
131-11-3	Dimethylphthalate	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
Lab File ID: p010219.d & p010218.d
Lab Sample ID: 01A & 01AA
Dilution: 1.00 & 1.00
Client Sample ID: &
Date Analyzed: 1/2/08 & 1/2/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
84-74-2	di-n-Butylphthalate	6.298		6.068		3.7
117-84-0	Di-n-Octylphthalate	ND	U	ND	U	0
206-44-0	Fluoranthene	ND	U	ND	U	0
86-73-7	Fluorene	ND	U	ND	U	0
118-74-1	Hexachlorobenzene	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
77-47-4	Hexachlorocyclopentadiene	ND	U	ND	U	0
67-72-1	Hexachloroethane	ND	U	ND	U	0
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	U	ND	U	0
78-59-1	Isophorone	43.08		43.33		0.58
91-20-3	Naphthalene	1.629		1.591		2.4
98-95-3	Nitrobenzene	ND	U	ND	U	0
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ND	U	0
86-30-6	N-Nitrosodiphenylamine	ND	U	ND	U	0
87-86-5	Pentachlorophenol	ND	U	ND	U	0
85-01-8	Phenanthrene	ND	U	ND	U	0
108-95-2	Phenol	ND	U	ND	U	0
129-00-0	Pyrene	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

0070

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdp.i/p21dec07.b/p122104.d
Level 2: /chem/msdp.i/p21dec07.b/p122105.d
Level 3: /chem/msdp.i/p21dec07.b/p122106.d
Level 4: /chem/msdp.i/p21dec07.b/p122107.d
Level 5: /chem/msdp.i/p21dec07.b/p122108.d
Level 6: /chem/msdp.i/p21dec07.b/p122109.d
Level 7: /chem/msdp.i/p21dec07.b/p122110.d
Level 8: /chem/msdp.i/p21dec07.b/p122111.d
Level 9: /chem/msdp.i/p21dec07.b/p122112.d

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD
	80.000 Level 7	100.000 Level 8	160.000 Level 9					
3 Phenol*	+++++	1.59241	1.62089	1.54027	1.38216	1.28603		
	1.12127	1.05257	0.89101				1.31083	20.645
4 bis(2-Chloroethyl)ether	1.19251	1.18772	1.20121	1.11783	1.02812	0.97098		
	0.88408	0.81796	0.74127				1.01574	17.038
5 2-Chlorophenol	+++++	1.08405	1.11140	1.06863	0.97368	0.93462		
	0.85227	0.79274	0.70399				0.94017	15.721
6 1,3-Dichlorobenzene	1.15415	1.18961	1.15087	1.08095	0.99348	0.94238		
	0.84398	0.77293	0.67018				0.97762	18.881
9 1,4-Dichlorobenzene*	1.29865	1.22780	1.20644	1.12390	1.00740	0.97145		
	0.86245	0.79701	0.68967				1.02053	20.570
10 Benzyl Alcohol	0.71582	0.75014	0.76210	0.75711	0.71564	0.66003		
	0.60932	0.57906	0.50144				0.67230	13.622
11 1,2-Dichlorobenzene	1.07411	1.12043	1.11107	1.04405	0.94402	0.90865		
	0.82273	0.76447	0.65595				0.93838	17.545

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD
	80.000 Level 7	100.000 Level 8	160.000 Level 9					
12 2-Methylphenol	+++++	1.08392	1.06256	1.02145	0.96603	0.89983		
	0.81925	0.76282	0.67128				0.91089	16.392
13 bis(2-Chloroisopropyl)ether	2.10372	2.15149	2.14547	2.01900	1.89744	1.80411		
	1.65677	1.55828	1.36446				1.85564	15.163
14 4-Methylphenol	+++++	1.14014	1.12142	1.07380	1.01685	0.94756		
	0.86385	0.81709	0.68730				0.95850	16.677
15 N-Nitrosodipropylamine**	0.80302	0.82646	0.83619	0.82483	0.76053	0.71608		
	0.67425	0.61197	0.53117				0.73161	14.704
16 Hexachloroethane	0.38438	0.45238	0.46616	0.43202	0.39865	0.38722		
	0.34504	0.31564	0.26712				0.38318	16.964
18 Nitrobenzene	0.41569	0.47875	0.47093	0.45294	0.45261	0.44675		
	0.43626	0.41808	0.40325				0.44170	5.795
19 Isophorone	0.69979	0.76724	0.77640	0.76881	0.77098	0.74700		
	0.73542	0.72876	0.70724				0.74463	3.843
20 2-Nitrophenol*	+++++	0.18520	0.20552	0.20872	0.21970	0.22078		
	0.21123	0.21036	0.19261				0.20676	5.972
21 2,4-Dimethylphenol	+++++	0.38471	0.39954	0.37582	0.36451	0.36058		
	0.34646	0.32903	0.31165				0.35904	8.098
22 N-nitrosodimethylamine	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++ <-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD
	80.000 Level 7	100.000 Level 8	160.000 Level 9					
23 bis(2-Chloroethoxy)methane	0.52755	0.54017	0.54384	0.51221	0.51180	0.50232		
	0.46850	0.45345	0.43673				0.49962	7.671
24 Benzoic Acid	+++++	+++++	+++++	0.19101	0.22705	0.22021		
	0.25391	0.24322	0.25341				0.23147	10.416
25 2,4-Dichlorophenol*	+++++	0.29618	0.31649	0.30731	0.30387	0.30052		
	0.27619	0.26719	0.24860				0.28954	8.010
26 1,2,4-Trichlorobenzene	0.31295	0.34014	0.33417	0.31532	0.30801	0.30622		
	0.27544	0.26411	0.24941				0.30064	10.340
28 Naphthalene	1.28221	1.26806	1.25935	1.19690	1.15941	1.15240		
	1.05919	1.02941	0.93379				1.14897	10.444
29 4-Chloroaniline	+++++	+++++	0.51586	0.51222	0.49220	0.47962		
	0.45262	0.45505	0.42737				0.47642	6.922
30 Hexachlorobutadiene*	0.16722	0.19238	0.18236	0.16507	0.16586	0.16585		
	0.14939	0.14784	0.13304				0.16322	11.021
32 4-Chloro-3-Methylphenol*	+++++	0.34958	0.36728	0.35704	0.35802	0.33758		
	0.32932	0.32895	0.31403				0.34273	5.298
33 2-Methylnaphthalene	0.78527	0.79056	0.79029	0.71003	0.69184	0.68078		
	0.63824	0.62245	0.55747				0.69633	11.819
145 1-Methylnaphthalene	0.79385	0.80097	0.80032	0.74080	0.71733	0.69680		
	0.64214	0.62649	0.57921				0.71088	11.484

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD
	80.000 Level 7	100.000 Level 8	160.000 Level 9					
35 Hexachlorocyclopentadiene**	+++++	+++++	+++++	0.31442	0.32153	0.32905		
	0.33820	0.33213	0.32089				0.32604	2.659
36 2,4,6-Trichlorophenol*	+++++	0.34625	0.35716	0.37535	0.35513	0.36284		
	0.35340	0.35325	0.33933				0.35534	3.022
37 2,4,5-Trichlorophenol	+++++	0.36797	0.37862	0.38859	0.38580	0.38567		
	0.38092	0.38769	0.35746				0.37909	2.903
39 2-Chloronaphthalene	1.21503	1.25989	1.27040	1.19909	1.17871	1.14325		
	1.12049	1.12754	1.00543				1.16887	6.974
40 2-Nitroaniline	+++++	0.39226	0.44679	0.46131	0.48423	0.47846		
	0.51276	0.50500	0.50458				0.47317	8.416
41 Aniline	1.86102	1.85727	1.82528	1.73549	1.57568	1.47682		
	1.30674	1.20265	1.02144				1.54026	20.086
42 Dimethylphthalate	+++++	1.37534	1.39627	1.32874	1.26949	1.27145		
	1.23505	1.21526	1.10199				1.27420	7.434
43 Bicyclo[2.2.1]hepta-2,5-diene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++ <-
44 2,6-Dinitrotoluene	+++++	0.29167	0.30823	0.32847	0.31878	0.31702		
	0.31652	0.31836	0.30583				0.31311	3.538
45 Acenaphthylene	1.76848	2.03220	2.06532	2.01665	1.92718	1.91646		
	1.87446	1.87230	1.72163				1.91052	6.109

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
46 3-Nitroaniline	+++++	+++++	0.37689	0.37852	0.36823	0.35327			
	0.37089	0.37483	0.34978				0.36749	3.126	
48 Acenaphthene*	1.20775	1.28572	1.26026	1.20000	1.14381	1.15342			
	1.08820	1.05629	0.99749				1.15477	8.222	
49 2,4-Dinitrophenol**	+++++	+++++	+++++	0.13386	0.16163	0.15759			
	0.19273	0.20764	0.20622				0.17661	17.011	
50 4-Nitrophenol**	+++++	+++++	+++++	0.19784	0.20654	0.19843			
	0.21272	0.20618	0.20973				0.20524	2.921	
51 Dibenzofuran	1.76306	1.81938	1.80783	1.68016	1.56929	1.53630			
	1.49168	1.43409	1.31242				1.60158	11.066	
52 2,4-Dinitrotoluene	+++++	0.35102	0.40757	0.41390	0.42936	0.42212			
	0.42973	0.43947	0.42249				0.41446	6.624	
53 1-Chloro-3,4-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
54 2-Methyl-benzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
55 N,N-Dimethyl-benzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
56 Diethylphthalate	+++++	1.34178	1.38340	1.35412	1.26446	1.21826			
	1.21230	1.21534	1.08057				1.25878	7.887	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
57 Fluorene	1.36572	1.50156	1.48505	1.38626	1.26041	1.25421			
	1.17231	1.15056	0.96209				1.28202	13.516	
58 4-Chlorophenyl phenyl ether	0.63383	0.65983	0.63004	0.61183	0.59365	0.58208			
	0.55432	0.55311	0.49177				0.59005	8.732	
59 4-Nitroaniline	+++++	+++++	0.39579	0.40707	0.43084	0.40231			
	0.41453	0.44807	0.40917				0.41540	4.363	
60 4,6-Dinitro-2-methylphenol	+++++	+++++	0.10191	0.12255	0.14006	0.13743			
	0.13887	0.14068	0.13328				0.13068	10.826	
61 N-nitrosodiphenylamine*	+++++	+++++	0.71782	0.71224	0.67802	0.65546			
	0.58410	0.59127	0.50658				0.63507	12.212	
63 2,4-Dimethylbenzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
64 N,N,4-Trimethylbenzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
65 4-Bromophenyl phenyl ether	0.18036	0.21819	0.21510	0.21370	0.20053	0.19904			
	0.18026	0.18136	0.16257				0.19457	9.964	
66 Hexachlorobenzene	0.24517	0.25284	0.24816	0.23609	0.22647	0.21701			
	0.19715	0.20156	0.17901				0.22261	11.557	
67 Cumene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
144 Carbazole	2.46303	2.79325	2.82560	2.70477	2.52624	2.18028			
	2.04858	1.82672	1.69993				2.34093	17.919	
68 Pentachlorophenol*	+++++	+++++	+++++	0.13166	0.13259	0.13257			
	0.12894	0.13097	0.12110				0.12964	3.391	
69 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
70 Diethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
72 Phenanthrene	1.22733	1.26117	1.21685	1.18559	1.10054	1.06933			
	0.97931	0.95734	0.90076				1.09980	11.973	
73 Anthracene	1.01174	1.19311	1.15016	1.16763	1.11237	1.07830			
	0.99158	0.95789	0.89851				1.06237	9.644	
74 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
76 3-Methylphenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
78 Di-n-butylphthalate	+++++	1.26136	1.33634	1.35018	1.34937	1.30665			
	1.24537	1.25264	1.09682				1.27484	6.580	
79 Lindane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
80 Fluoranthene*	1.06435	1.15718	1.21316	1.15469	1.09627	1.02234			
	0.96068	0.94751	0.88609				1.05581	10.441	
81 Pyrene	1.32258	1.44788	1.41954	1.35516	1.30192	1.32252			
	1.19270	1.22187	1.14462				1.30320	7.764	
84 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
85 Butyl benzyl phthalate	+++++	0.57223	0.64655	0.67867	0.70076	0.69477			
	0.68951	0.69021	0.68490				0.66970	6.374	
86 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
87 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
88 Benzo(a)Anthracene	1.03483	1.22006	1.28691	1.26791	1.26979	1.25925			
	1.23700	1.24436	1.22901				1.22768	6.144	
89 3 3'-Dichlorobenzidine	+++++	+++++	+++++	0.41732	0.43342	0.42273			
	0.42745	0.42987	0.43186				0.42711	1.425	
91 Chrysene	1.23742	1.35654	1.34939	1.27803	1.25023	1.23319			
	1.18889	1.18941	1.17092				1.25045	5.373	
92 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD
	80.000 Level 7	100.000 Level 8	160.000 Level 9					
93 bis(2-ethylhexyl)Phthalate	+++++	0.69209	0.80218	0.87287	0.93834	0.92920		
	0.95920	0.96478	0.95536				0.88925	10.894
94 Di-n-octyl phthalate*	+++++	1.17742	1.56706	1.80299	1.98586	1.99108		
	2.07992	2.06571	2.01155				1.83520	17.191
95 Benzo(b)fluoranthene	1.28638	1.57947	1.69370	1.59775	1.68059	1.69555		
	1.49912	1.57449	1.57007				1.57524	8.073
96 Benzo(k)fluoranthene	1.50499	1.74681	1.94293	1.85216	1.72163	1.68402		
	1.69943	1.59149	1.50134				1.69387	8.707
97 Benzo(e)pyrene	1.37809	1.54046	1.64849	1.57436	1.54535	1.52618		
	1.45314	1.41982	1.36779				1.49485	6.377
98 Benzo(a)pyrene*	1.25126	1.56069	1.69407	1.62029	1.53720	1.53892		
	1.49130	1.47024	1.29897				1.49588	9.507
103 Indeno(1,2,3-cd)pyrene	1.07662	1.50405	1.65634	1.62799	1.63021	1.61858		
	1.60666	1.55488	1.52451				1.53331	11.669
104 Dibenzo(a,h)anthracene	1.05428	1.33788	1.43549	1.32957	1.20569	1.33286		
	1.34421	1.23324	1.18268				1.27288	8.982
105 Benzo(g,h,i)perylene	1.15779	1.47331	1.51613	1.50817	1.48182	1.44896		
	1.41401	1.37878	1.34698				1.41400	7.907
106 3,3'-Dimethoxybenzidine	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++ <-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
139 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
140 Perylene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
143 Coronene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
141 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 1 2-Fluorophenol	+++++	1.03168	1.07631	1.03595	0.96356	0.91999			
	0.83670	0.78041	0.69684				0.91768	14.760	
$ 2 Phenol-d5	+++++	1.39371	1.37057	1.35467	1.23627	1.14503			
	1.04246	0.94883	0.82202				1.16420	18.233	
$ 8 13C-Phenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 17 Nitrobenzene-d5	0.40487	0.43953	0.46345	0.44004	0.43555	0.44058			
	0.42538	0.42310	0.40631				0.43098	4.268	
$ 31 d4-1,4-dibromobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 146 2-Methylnaphthalene-d10	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
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Quant Method : ISTD
Origin : Disabled
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Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	80.000 Level 7	100.000 Level 8	160.000 Level 9	___ RRF	% RSD	
$ 34 1-Methylnaphthalene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 38 2-Fluorobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 62 2,4,6-Tribromophenol	+++++	0.16127	0.17760	0.18090	0.17674	0.16986	0.17085	0.17362	0.16306	0.17174	4.035	
$ 75 13c-Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 77 d10-Anthracene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 82 Terphenyl-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 83 Fluoranthene-d10	0.77237	0.91679	0.92761	0.92524	0.88695	0.84594	+++++	+++++	+++++	0.87915	6.911	
$ 100 Benzo(e)pyrene-d12	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 101 Benzo(a)pyrene-d12	0.79075	1.00995	1.10910	1.08513	1.07546	1.05350	+++++	+++++	+++++	1.02065	11.512	
$ 102 d12-Benzo(a)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1 80.000 Level 7	5.000 Level 2 100.000 Level 8	10.000 Level 3 160.000 Level 9	20.000 Level 4	40.000 Level 5	50.000 Level 6	___ RRF	% RSD	
$ 142 1,3,5-Trichlorobenzene-d3	+++++ +++++	+++++ +++++	+++++ +++++	+++++	+++++	+++++	+++++	+++++	<-
$ 147 Fluorene-d10	1.10994 1.03560	1.25401 1.01603	1.15735 0.98026	1.11949	1.11205	1.09143	1.09735	7.430	
$ 148 Pyrene-d10	1.03646 0.94715	1.06312 0.93699	1.07193 0.91950	1.00995	1.00158	1.02097	1.00085	5.503	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 9.85985374
Maximun Average %RSD = 15
* Passed Average %RSD Test.

Calibration History

Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Start Cal Date: 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 1.00000		
21-DEC-2007 10:54	1ng	/chem/msdp.i/p21dec07.b/p122104.d
Cal Level: 2 , Cal Amount: 5.00000		
21-DEC-2007 11:24	5ng	/chem/msdp.i/p21dec07.b/p122105.d
Cal Level: 3 , Cal Amount: 10.00000		
21-DEC-2007 11:53	10ng	/chem/msdp.i/p21dec07.b/p122106.d
Cal Level: 4 , Cal Amount: 20.00000		
21-DEC-2007 12:23	20ng	/chem/msdp.i/p21dec07.b/p122107.d
Cal Level: 5 , Cal Amount: 40.00000		
21-DEC-2007 12:52	50ng	/chem/msdp.i/p21dec07.b/p122108.d
Cal Level: 6 , Cal Amount: 50.00000		
21-DEC-2007 13:22	50ccv	/chem/msdp.i/p21dec07.b/p122109.d
Cal Level: 7 , Cal Amount: 80.00000		
21-DEC-2007 13:51	160ng	/chem/msdp.i/p21dec07.b/p122110.d
Cal Level: 8 , Cal Amount: 100.00000		
21-DEC-2007 14:21	160ng	/chem/msdp.i/p21dec07.b/p122111.d

Cal Level: 9 , Cal Amount: 160.00000		
21-DEC-2007 14:50	160ng	/chem/msdp.i/p21dec07.b/p122112.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 6

Ccal Level: 6 , Ccal Amount: 50.00		
21-DEC-2007 13:22	50ccv	/chem/msdp.i/p21dec07.b/p122109.d

Instrument P Run Log

@Air Toxics Ltd.

Logbook#: 1593

Method: TO13A

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base peak, 100.00% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.52
68	Less than 2.00% of mass 69	0.61 (1.43)1
69	Less than 99.90% of mass 198	42.98
70	Less than 2.00% of mass 69	0.37 (0.87)1
127	40.00 – 60.00% of mass 198	49.36
197	Less than 1.00% of mass 198	0.36
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	19.99
365	Greater than 1.00% of mass 198	2.49
441	Present, but less than mass 443	10.18
442	40.00 - 100.00% of mass 198	67.78
443	17.00 - 23.00% of mass 442	12.77 (18.84)2

1 - value in parenthesis is % mass 69 2 - value in parenthesis is % mass 442

Instrument ID: MSD-P
DFTPP File ID: P122102
DFTPP Injection Date: 12/21/07
DFTPP Injection Time 10:04

#1500.93.1000 IS	Area Counts
1,4-Dichlorobenzene-d_4:	290980
Naphthalene-d_8:	673378
Acenaphthene-d_{10}:	362252
Phenanthrene-d_{10}:	605762
Chrysene-d_{12}:	511454
Perylene-d_{12}:	379203

Injection Volume: 1.0 µL

	use	File #	Sample / Client Name	Vial #	Dilution Factor	Date Analyzed	Time Analyzed	Initials	Comments
1	✓	P122101	MeCl2 Wash	1	1.00	12/21/07	09:46	up	front-end maintenance
2	✓	02	1500-76A-50 tune	2			10:04		0.1 breakdown
3	✓	03	MeCl2 Blank	3			10:25		
4	✓	04	1500-101-1.0	4			10:54		
5	✓	05	5.0	5			11:24		
6	✓	06	10	6			11:53		
7	✓	07	20	7			12:23		
8	✓	08	40	8			12:52		
9	✓	09	50	9			13:22		
10	✓	10	80	10			13:51		
11	✓	11	100	11			14:21		
12	✓	12	160	12			14:50		
13	✓	13	1500-79-50	13			15:19		LCS
14									
15									
16									
17									
18									
19									
20									
21									
22									
23								up	12/21/07

Calculation Check:

ng of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(533197)}{(322333)} \times \frac{(40.0)}{(1.31083)} = 50.48$

File ID: P122113
Compound: Phenol
Initials: up

Signed

12/21/07
Date

Air Toxics Ltd.
Modified EPA Methods TO-13A
Internal Standard and Associated Target Compounds and Surrogates

1,4-Dichlorobenzene-d4
Target Compounds:
Phenol
bis(2-Chloroethyl) Ether
2-Chlorophenol
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
2-Methylphenol (o-Cresol)
bis(2-Chloroisopropyl) Ether
N-Nitroso-di-n-propylamine
4-Methylphenol/3-Methylphenol
Hexachloroethane
Surrogates:
2-Fluorophenol
Phenol-d5

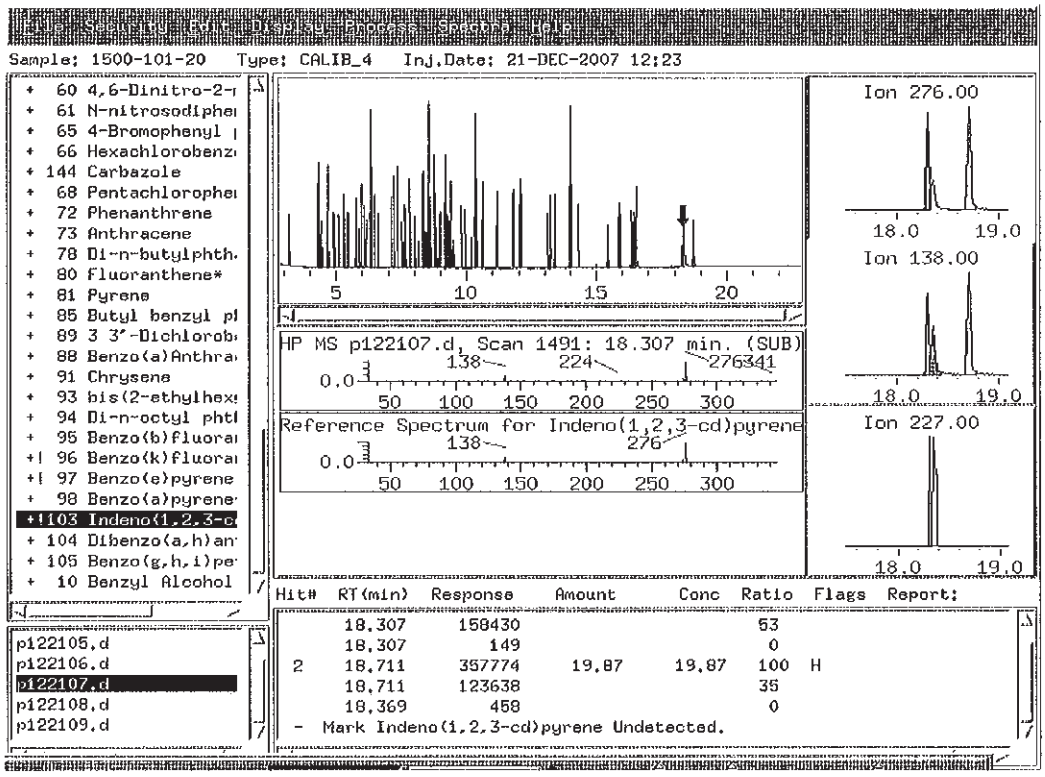
Phenanthrene-d10
Target Compounds:
N-Nitrosodiphenylamine
4-Bromophenyl-phenyl Ether
Hexachlorobenzene
Pentachlorophenol
Phenanthrene
Anthracene
di-n-Butylphthalate
Fluoranthene

Naphthalene-d8
Target Compounds:
Nitrobenzene
Isophorone
2-Nitrophenol
2,4-Dimethylphenol
Benzoic Acid
bis(2-Chloroethoxy) Methane
2,4-Dichlorophenol
1,2,4-Trichlorobenzene
Naphthalene
4-Chloroaniline
Hexachlorobutadiene
4-Chloro-3-methylphenol
2-Methylnaphthalene
Hexachlorocyclopentadiene
1-Methylnaphthalene
Surrogates:
Nitrobenzene-d5

Chrysene-d12
Target Compounds:
Pyrene
Butylbenzylphthalate
3,3'-Dichlorobenzidine
Chrysene
Benzo(a)anthracene
bis(2-Ethylhexyl)phthalate
Surrogates:
Pyrene-d10

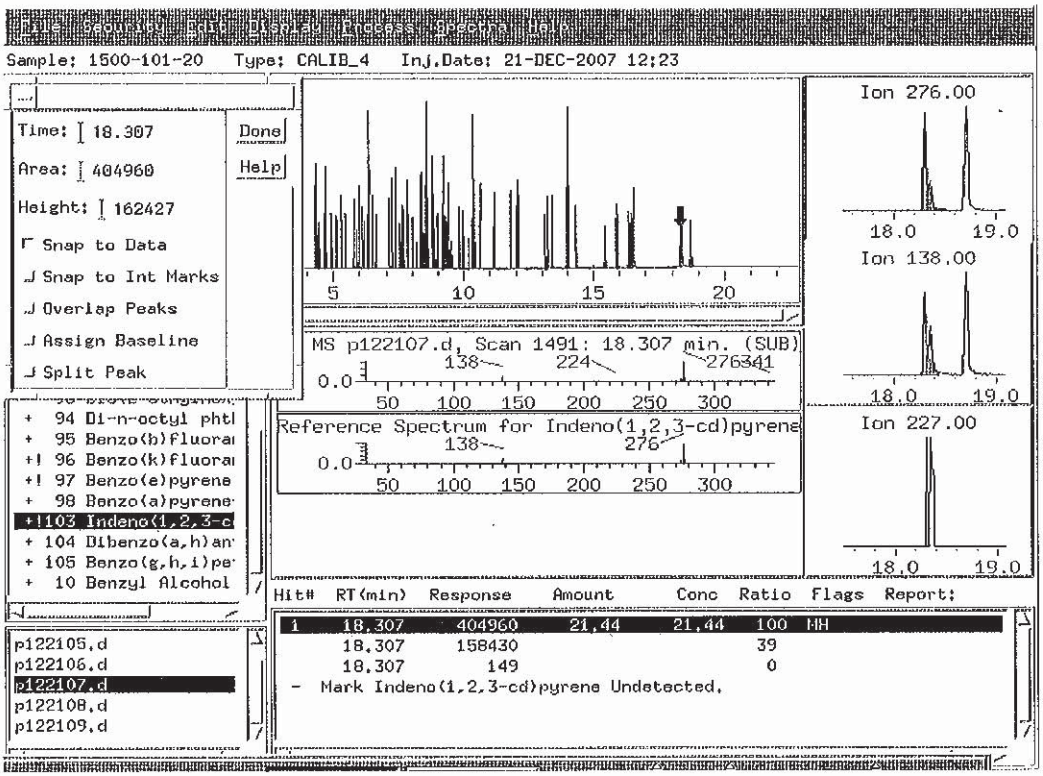
Acenaphthene-d10
Target Compounds:
2,4,6-Trichlorophenol
2,4,5-Trichlorophenol
2-Chloronaphthalene
2-Nitroaniline
Dimethylphthalate
Acenaphthylene
2,6-Dinitrotoluene
3-Nitroaniline
Acenaphthene
2,4-Dinitrophenol
4-Nitrophenol
2,4-Dinitrotoluene
Dibenzofuran
Diethylphthalate
Fluorene
4-Chlorophenyl-phenyl Ether
4-Nitroaniline
4,6-Dinitro-2-methylphenol
Surrogates:
2,4,6-Tribromophenol
Fluorene-d10

Perylene-d12
Target Compounds:
Di-n-Octylphthalate
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene
Indeno(1,2,3-c,d)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene



before peak is split

up 12/21/07



after integration of peak

LP 12/21/07

LP 12/21/07

* Fluorene must be ≥ 70.4.1. in ccv.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdp.i/p21dec07.b/p122104.d
Level 2: /chem/msdp.i/p21dec07.b/p122105.d
Level 3: /chem/msdp.i/p21dec07.b/p122106.d
Level 4: /chem/msdp.i/p21dec07.b/p122107.d
Level 5: /chem/msdp.i/p21dec07.b/p122108.d
Level 6: /chem/msdp.i/p21dec07.b/p122109.d
Level 7: /chem/msdp.i/p21dec07.b/p122110.d
Level 8: /chem/msdp.i/p21dec07.b/p122111.d
Level 9: /chem/msdp.i/p21dec07.b/p122112.d

second source: P122113

BA 12/27/07

Based on 1.0 uL injection in MeCl2

Compound (unit in ug/ml or ng on column)	1.000 Level 1 / 80.000 Level 7	5.000 Level 2 / 100.000 Level 8	10.000 Level 3 / 160.000 Level 9	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
3 Phenol*	+++++	1.59241	1.62089	1.54027	1.38216	1.28603			ccc ✓
	1.12127	1.05257	0.89101				1.31083	20.645	
4 bis(2-Chloroethyl)ether	1.19251 ✓	1.18772 ✓	1.20121 ✓	1.11783 ✓	1.02812 ✓	0.97098 ✓			up 12/27/07
	0.88408 ✓	0.81796 ✓	0.74127 ✓				1.01574 ✓	17.038 ✓	
5 2-Chlorophenol	+++++	1.08405	1.11140	1.06863	0.97368	0.93462			
	0.85227	0.79274	0.70399				0.94017	15.721	
6 1,3-Dichlorobenzene	1.15415 ✓	1.18961 ✓	1.15087 ✓	1.08095 ✓	0.99348 ✓	0.94238 ✓	✓	✓	
	0.84398 ✓	0.77293 ✓	0.67018 ✓				0.97762	18.881	
9 1,4-Dichlorobenzene*	1.29865	1.22780	1.20644	1.12390	1.00740	0.97145			ccc ✓
	0.86245	0.79701	0.68967				1.02053	20.570	
10 Benzyl Alcohol	0.71582	0.75014	0.76210	0.75711	0.71564	0.66003			
	0.60932	0.57906	0.50144				0.67230	13.622	
11 1,2-Dichlorobenzene	1.07411	1.12043	1.11107	1.04405	0.94402	0.90865			
	0.82273	0.76447	0.65595				0.93838	17.545	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	___ RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
12 2-Methylphenol	+++++	1.08392	1.06256	1.02145	0.96603	0.89983			
	0.81925	0.76282	0.67128				0.91089	16.392	
13 bis(2-Chloroisopropyl)ether	2.10372	2.15149	2.14547	2.01900	1.89744	1.80411			
	1.65677	1.55828	1.36446				1.85564	15.163	
14 4-Methylphenol	+++++	1.14014	1.12142	1.07380	1.01685	0.94756			
	0.86385	0.81709	0.68730				0.95850	16.677	
15 N-Nitrosodipropylamine**	0.80302	0.82646	0.83619	0.82483	0.76053	0.71608			SPCC ✓
	0.67425	0.61197	0.53117				0.73161	14.704	
16 Hexachloroethane	0.38438	0.45238	0.46616	0.43202	0.39865	0.38722			
	0.34504	0.31564	0.26712				0.38318	16.964	
18 Nitrobenzene	0.41569	0.47875	0.47093	0.45294	0.45261	0.44675			
	0.43626	0.41808	0.40325				0.44170	5.795	
19 Isophorone	0.69979	0.76724	0.77640	0.76881	0.77098	0.74700			
	0.73542	0.72876	0.70724				0.74463	3.843	
20 2-Nitrophenol*	+++++	0.18520	0.20552	0.20872	0.21970	0.22078			CCC ✓
	0.21123	0.21036	0.19261				0.20676	5.972	
21 2,4-Dimethylphenol	+++++	0.38471	0.39954	0.37582	0.36451	0.36058			
	0.34646	0.32903	0.31165				0.35904	8.098	
22 N-nitrosodimethylamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
23 bis(2-Chloroethoxy)methane	0.52755	0.54017	0.54384	0.51221	0.51180	0.50232			
	0.46850	0.45345	0.43673				0.49962	7.671	
24 Benzoic Acid	+++++	+++++	+++++	0.19101	0.22705	0.22021			
	0.25391	0.24322	0.25341				0.23147	10.416	
25 2,4-Dichlorophenol*	+++++	0.29618	0.31649	0.30731	0.30387	0.30052			ccc ✓
	0.27619	0.26719	0.24860				0.28954	8.010	
26 1,2,4-Trichlorobenzene	0.31295	0.34014	0.33417	0.31532	0.30801	0.30622			
	0.27544	0.26411	0.24941				0.30064	10.340	
28 Naphthalene	1.28221	1.26806	1.25935	1.19690	1.15941	1.15240			>1.0
PAH	1.05919	1.02941	0.93379				1.14897	10.444	
29 4-Chloroaniline	+++++	+++++	0.51586	0.51222	0.49220	0.47962			
	0.45262	0.45505	0.42737				0.47642	6.922	
30 Hexachlorobutadiene*	0.16722	0.19238	0.18236	0.16507	0.16586	0.16585			ccc ✓
	0.14939	0.14784	0.13304				0.16322	11.021	
32 4-Chloro-3-Methylphenol*	+++++	0.34958	0.36728	0.35704	0.35802	0.33758			
	0.32932	0.32895	0.31403				0.34273	5.298	ccc ✓
33 2-Methylnaphthalene	0.78527	0.79056	0.79029	0.71003	0.69184	0.68078			
PAH	0.63824	0.62245	0.55747				0.69633	11.819	
145 1-Methylnaphthalene	0.79385	0.80097	0.80032	0.74080	0.71733	0.69680			
	0.64214	0.62649	0.57921				0.71088	11.484	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	___ RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
35 Hexachlorocyclopentadiene**	+++++	+++++	+++++	0.31442	0.32153	0.32905			
	0.33820	0.33213	0.32089				0.32604	2.659	SPCC ✓
36 2,4,6-Trichlorophenol*	+++++	0.34625	0.35716	0.37535	0.35513	0.36284			
	0.35340	0.35325	0.33933				0.35534	3.022	CCC ✓
37 2,4,5-Trichlorophenol	+++++	0.36797	0.37862	0.38859	0.38580	0.38567			
	0.38092	0.38769	0.35746				0.37909	2.903	
39 2-Chloronaphthalene	1.21503	1.25989	1.27040	1.19909	1.17871	1.14325			
PAH	1.12049	1.12754	1.00543				1.16887	6.974	
40 2-Nitroaniline	+++++	0.39226	0.44679	0.46131	0.48423	0.47846			
	0.51276	0.50500	0.50458				0.47317	8.416	
41 Aniline	1.86102	1.85727	1.82528	1.73549	1.57568	1.47682			
	1.30674	1.20265	1.02144				1.54026	20.086	
42 Dimethylphthalate	+++++	1.37534	1.39627	1.32874	1.26949	1.27145			
	1.23505	1.21526	1.10199				1.27420	7.434	
43 Bicyclo[2.2.1]hepta-2,5-diene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
44 2,6-Dinitrotoluene	+++++	0.29167	0.30823	0.32847	0.31878	0.31702			
	0.31652	0.31836	0.30583				0.31311	3.538	
45 Acenaphthylene	1.76848	2.03220	2.06532	2.01665	1.92718	1.91646			> 1.86
PAH	1.87446	1.87230	1.72163				1.91052	6.109	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
46 3-Nitroaniline	+++++	+++++	0.37689	0.37852	0.36823	0.35327			
	0.37089	0.37483	0.34978				0.36749	3.126	
48 Acenaphthene*	1.20775	1.28572	1.26026	1.20000	1.14381	1.15342			CCC ✓
PAH	1.08820	1.05629	0.99749				1.15477	8.222	> 1.14
49 2,4-Dinitrophenol**	+++++	+++++	+++++	0.13386	0.16163	0.15759			
	0.19273	0.20764	0.20622				0.17661	17.011	SPCC ✓
50 4-Nitrophenol**	+++++	+++++	+++++	0.19784	0.20654	0.19843			
	0.21272	0.20618	0.20973				0.20524	2.921	SPCC ✓
51 Dibenzofuran	1.76306	1.81938	1.80783	1.68016	1.56929	1.53630			
	1.49168	1.43409	1.31242				1.60158	11.066	
52 2,4-Dinitrotoluene	+++++	0.35102	0.40757	0.41390	0.42936	0.42212			
	0.42973	0.43947	0.42249				0.41446	6.624	
53 1-Chloro-3,4-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
54 2-Methyl-benzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
55 N,N-Dimethyl-benzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
56 Diethylphthalate	+++++	1.34178	1.38340	1.35412	1.26446	1.21826			
	1.21230	1.21534	1.08057				1.25878	7.887	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
57 Fluorene	1.36572	1.50156	1.48505	1.38626	1.26041	1.25421			<1.29 *
PAH	1.17231	1.15056	0.96209				1.28202	13.516	>0.90
58 4-Chlorophenyl phenyl ether	0.63383	0.65983	0.63004	0.61183	0.59365	0.58208			
	0.55432	0.55311	0.49177				0.59005	8.732	
59 4-Nitroaniline	+++++	+++++	0.39579	0.40707	0.43084	0.40231			
	0.41453	0.44807	0.40917				0.41540	4.363	
60 4,6-Dinitro-2-methylphenol	+++++	+++++	0.10191	0.12255	0.14006	0.13743			
	0.13887	0.14068	0.13328				0.13068	10.826	
61 N-nitrosodiphenylamine*	+++++	+++++	0.71782	0.71224	0.67802	0.65546			ccc ✓
	0.58410	0.59127	0.50658				0.63507	12.212	
63 2,4-Dimethylbenzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
64 N,N,4-Trimethylbenzenamine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
65 4-Bromophenyl phenyl ether	0.18036	0.21819	0.21510	0.21370	0.20053	0.19904			
	0.18026	0.18136	0.16257				0.19457	9.964	
66 Hexachlorobenzene	0.24517	0.25284	0.24816	0.23609	0.22647	0.21701			
	0.19715	0.20156	0.17901				0.22261	11.557	
67 Cumene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
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Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
144 Carbazole	2.46303	2.79325	2.82560	2.70477	2.52624	2.18028			
	2.04858	1.82672	1.69993				2.34093	17.919	
68 Pentachlorophenol*	+++++	+++++	+++++	0.13166	0.13259	0.13257			
	0.12894	0.13097	0.12110				0.12964	3.391	CCC ✓
69 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
70 Diethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
72 Phenanthrene	1.22733	1.26117	1.21685	1.18559	1.10054	1.06933			
PAH	0.97931	0.95734	0.90076				1.09980	11.973	>1.0
73 Anthracene	1.01174	1.19311	1.15016	1.16763	1.11237	1.07830			
PAH	0.99158	0.95789	0.89851				1.06237	9.644	>1.0
74 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
76 3-Methylphenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
78 Di-n-butylphthalate	+++++	1.26136	1.33634	1.35018	1.34937	1.30665			
	1.24537	1.25264	1.09682				1.27484	6.580	
79 Lindane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	80.000 Level 7	100.000 Level 8	160.000 Level 9	___ RRF	% RSD	
80 Fluoranthene*	1.06435	1.15718	1.21316	1.15469	1.09627	1.02234	0.96068	0.94751	0.88609	1.05581	10.441	>0.86
PAH												
81 Pyrene	1.32258	1.44788	1.41954	1.35516	1.30192	1.32252	1.19270	1.22187	1.14462	1.30320	7.764	>0.86
PAH												
84 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
85 Butyl benzyl phthalate	+++++	0.57223	0.64655	0.67867	0.70076	0.69477	0.68951	0.69021	0.68490	0.66970	6.374	
86 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
87 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
88 Benzo(a)Anthracene	1.03483	1.22006	1.28691	1.26791	1.26979	1.25925	1.23700	1.24436	1.22901	1.22768	6.144	>1.14
PAH												
89 3 3'-Dichlorobenzidine	+++++	+++++	+++++	0.41732	0.43342	0.42273	0.42745	0.42987	0.43186	0.42711	1.425	
91 Chrysene	1.23742	1.35654	1.34939	1.27803	1.25023	1.23319	1.18889	1.18941	1.17092	1.25045	5.373	>1.0
PAH												
92 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

ccc ✓

0097

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
93 bis(2-ethylhexyl)Phthalate	+++++	0.69209	0.80218	0.87287	0.93834	0.92920			
	0.95920	0.96478	0.95536				0.88925	10.894	
94 Di-n-octyl phthalate*	+++++	1.17742	1.56706	1.80299	1.98586	1.99108			
	2.07992	2.06571	2.01155				1.83520	17.191	CCC ✓
95 Benzo(b)fluoranthene	1.28638	1.57947	1.69370	1.59775	1.68059	1.69555			
PAH	1.49912	1.57449	1.57007				1.57524	8.073	>1.0
96 Benzo(k)fluoranthene	1.50499	1.74681	1.94293	1.85216	1.72163	1.68402			
PAH	1.69943	1.59149	1.50134				1.69387	8.707	>1.0
97 Benzo(e)pyrene	1.37809	1.54046	1.64849	1.57436	1.54535	1.52618			
PAH	1.45314	1.41982	1.36779				1.49485	6.377	
98 Benzo(a)pyrene*	1.25126	1.56069	1.69407	1.62029	1.53720	1.53892			CCC ✓
PAH	1.49130	1.47024	1.29897				1.49588	9.507	>1.0
103 Indeno(1,2,3-cd)pyrene	1.07662	1.50405	1.65634	1.62799	1.63021	1.61858			
PAH	1.60666	1.55488	1.52451				1.53331	11.669	>0.71
104 Dibenzo(a,h)anthracene	1.05428	1.33788	1.43549	1.32957	1.20569	1.33286			
PAH	1.34421	1.23324	1.18268				1.27288	8.982	>0.57
105 Benzo(g,h,i)perylene	1.15779	1.47331	1.51613	1.50817	1.48182	1.44896			
PAH	1.41401	1.37878	1.34698				1.41400	7.907	>0.71
106 3,3'-Dimethoxybenzidine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
139 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
140 Perylene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
143 Coronene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
141 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 1 2-Fluorophenol	+++++	1.03168	1.07631	1.03595	0.96356	0.91999			
	0.83670	0.78041	0.69684				0.91768	14.760	
$ 2 Phenol-d5	+++++	1.39371	1.37057	1.35467	1.23627	1.14503			
	1.04246	0.94883	0.82202				1.16420	18.233	
$ 8 13C-Phenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 17 Nitrobenzene-d5	0.40487	0.43953	0.46345	0.44004	0.43555	0.44058			
	0.42538	0.42310	0.40631				0.43098	4.268	
$ 31 d4-1,4-dibromobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 146 2-Methylnaphthalene-d10	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
$ 34 1-Methylnaphthalene-d10	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 38 2-Fluorobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 62 2,4,6-Tribromophenol	+++++	0.16127	0.17760	0.18090	0.17674	0.16986			
	0.17085	0.17362	0.16306				0.17174	4.035	
$ 75 13c-Pentachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 77 d10-Anthracene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 82 Terphenyl-d14	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 83 Fluoranthene-d10	0.77237	0.91679	0.92761	0.92524	0.88695	0.84594			
	+++++	+++++	+++++				0.87915	6.911	
$ 100 Benzo(e)pyrene-d12	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 101 Benzo(a)pyrene-d12	0.79075	1.00995	1.10910	1.08513	1.07546	1.05350			
	+++++	+++++	+++++				1.02065	11.512	
$ 102 d12-Benzo(a)pyrene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-

0100

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	20.000 Level 4	40.000 Level 5	50.000 Level 6	___ RRF	% RSD	
	80.000 Level 7	100.000 Level 8	160.000 Level 9						
$ 142 1,3,5-Trichlorobenzene-d3	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	<-
$ 147 Fluorene-d10	1.10994	1.25401	1.15735	1.11949	1.11205	1.09143			
	1.03560	1.01603	0.98026				1.09735	7.430	
$ 148 Pyrene-d10	1.03646	1.06312	1.07193	1.00995	1.00158	1.02097			
	0.94715	0.93699	0.91950				1.00085	5.503	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 21-DEC-2007 10:54
End Cal Date : 21-DEC-2007 14:50
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdp.i/p21dec07.b/bnap1221.m
Cal Date : 21-Dec-2007 16:38 lpham
Curve Type : Average

Average %RSD Results.

Calculated Average %RSD = 9.85985374

Maximun Average %RSD = 15

* Passed Average %RSD Test.

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122113.d
Lab Smp Id: 1500-79-50 Client Smp ID: LCS
Inj Date : 21-DEC-2007 15:19
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-79-50;LCS
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 14:59 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 14:50 Cal File: p122112.d
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: second.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug)
3	Phenol*	94	4.334	4.334	(0.925)	533197	50.4775	50.48
41	Aniline	93	4.334	4.334	(0.925)	622849	50.1814	50.18
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	405132	49.4958	49.50
5	2-Chlorophenol	128	4.468	4.469	(0.954)	390005	51.4775	51.48
6	1,3-Dichlorobenzene	146	4.644	4.645	(0.991)	388496	49.3144	49.31
* 7	1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	322333	40.0000	
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	403246	49.0343	49.03
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	285602	52.7176	52.72
11	1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	385586	50.9914	50.99
12	2-Methylphenol	108	5.100	5.100	(1.088)	371300	50.5841	50.58
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	743117	49.6958	49.70
14	4-Methylphenol	108	5.286	5.297	(1.128)	382333	49.4998	49.50
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	299284	50.7641	50.76

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
16	Hexachloroethane	117	5.338	5.338	(1.139)	162702	52.6927	52.69
18	Nitrobenzene	77	5.462	5.462	(0.863)	429423	52.3307	52.33
19	Isophorone	82	5.773	5.773	(0.912)	806917	58.3288	58.33
20	2-Nitrophenol*	139	5.886	5.887	(0.930)	211819	55.1420	55.14
21	2,4-Dimethylphenol	122	5.969	5.970	(0.943)	338463	50.7418	50.74
24	Benzoic Acid	122	6.145	6.135	(0.971)	242825	56.4668	56.47
23	bis(2-Chloroethoxy)methane	93	6.104	6.104	(0.964)	465313	50.1302	50.13
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	292898	54.4499	54.45
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	291352	52.1629	52.16
* 27	Naphthalene-d8	136	6.332	6.332	(1.000)	743133	40.0000	
28	Naphthalene	128	6.352	6.352	(1.003)	1110389	52.0188	52.02
29	4-Chloroaniline	127	6.476	6.477	(1.023)	472998	53.4395	53.44
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	158101	52.1368	52.14
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	331017	51.9871	51.99
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	701933	54.2595	54.26
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	644815	48.8240	48.82
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	185138	54.6497	54.65
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	189324	51.2770	51.28
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	198952	50.5087	50.51
39	2-Chloronaphthalene	162	7.832	7.833	(0.916)	620944	51.1264	51.13
40	2-Nitroaniline	65	8.019	8.019	(0.938)	266863	54.2783	54.28
42	Dimethylphthalate	163	8.319	8.319	(0.973)	701125	52.9562	52.96
44	2,6-Dinitrotoluene	165	8.391	8.391	(0.982)	166415	51.1512	51.15
45	Acenaphthylene	152	8.350	8.350	(0.977)	1045596	52.6710	52.67
46	3-Nitroaniline	138	8.536	8.536	(0.999)	201586	52.7931	52.79
* 47	Acenaphthene-d10	164	8.546	8.547	(1.000)	415624	40.0000	
48	Acenaphthene*	154	8.588	8.588	(1.005)	617136	51.4332	51.43
49	2,4-Dinitrophenol**	184	8.660	8.661	(1.013)	93371	50.8811	50.88
50	4-Nitrophenol**	109	8.774	8.774	(1.027)	106366	49.8772	49.88
51	Dibenzofuran	168	8.785	8.774	(1.028)	832764	50.0418	50.04
52	2,4-Dinitrotoluene	165	8.857	8.857	(1.036)	231288	53.7070	53.71
56	Diethylphthalate	149	9.188	9.188	(1.075)	660070	50.4661	50.47
58	4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	314232	51.2531	51.25
57	Fluorene	166	9.199	9.199	(1.076)	650121	48.8044	48.80
59	4-Nitroaniline	138	9.292	9.292	(1.087)	227063	52.6066	52.61
60	4,6-Dinitro-2-methylphenol	198	9.343	9.344	(0.905)	128630	55.3089	55.31
61	N-nitrosodiphenylamine*	169	9.385	9.385	(0.909)	489183	43.2834	43.28
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	177607	51.2936	51.29
66	Hexachlorobenzene	284	9.964	9.965	(0.965)	197475	49.8477	49.85
68	Pentachlorophenol*	266	10.192	10.192	(0.987)	123314	53.4504	53.45
* 71	Phenanthrene-d10	188	10.327	10.327	(1.000)	711851	40.0000	
72	Phenanthrene	178	10.358	10.348	(1.003)	996881	50.9331	50.93
73	Anthracene	178	10.410	10.410	(1.008)	1039303	54.9717	54.97
144	Carbazole	167	10.627	10.627	(2.268)	1003478	53.1954	53.20
78	Di-n-butylphthalate	149	11.165	11.165	(1.081)	1251240	55.1513	55.15
80	Fluoranthene*	202	11.817	11.817	(1.144)	1027552	54.6877	54.69
81	Pyrene	202	12.107	12.107	(0.865)	1059472	51.9006	51.90

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
85	Butyl benzyl phthalate	149	13.225	13.225	(0.945)	548188	52.2568	52.26
89	3 3'-Dichlorobenzidine	252	14.001	14.001	(1.001)	360729	53.9184	53.92
88	Benzo(a)Anthracene	228	13.970	13.960	(0.999)	1002118	52.1106	52.11
* 90	Chrysene-d12	240	13.991	13.991	(1.000)	626566	40.0000	
91	Chrysene	228	14.032	14.032	(1.003)	1007364	51.4297	51.43
93	bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	774547	55.6053	55.60
94	Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	1286707	59.4211	59.42
95	Benzo(b)fluoranthene	252	15.874	15.864	(0.961)	1006827	54.1693	54.17
96	Benzo(k)fluoranthene	252	15.916	15.916	(0.963)	1064149	53.2435	53.24
97	Benzo(e)pyrene	252	16.340	16.340	(0.989)	934840	53.0009	53.00
98	Benzo(a)pyrene*	252	16.433	16.423	(0.994)	985966	55.8609	55.86
* 99	Perylene-d12	264	16.527	16.527	(1.000)	471972	40.0000	
103	Indeno(1,2,3-cd)pyrene	276	18.317	18.307	(1.108)	1004381	55.5151	55.52
104	Dibenzo(a,h)anthracene	278	18.369	18.369	(1.111)	766997	51.0682	51.07
105	Benzo(g,h,i)perylene	276	18.731	18.721	(1.133)	916581	54.9372	54.94

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122113.d
Lab Smp Id: 1500-79-50
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: LCS
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	322333	10.77
27 Naphthalene-d8	673378	336689	1346756	743133	10.36
47 Acenaphthene-d10	362252	181126	724504	415624	14.73
71 Phenanthrene-d10	605762	302881	1211524	711851	17.51
90 Chrysene-d12	511454	255727	1022908	626566	22.51
99 Perylene-d12	379203	189602	758406	471972	24.46

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Report Date: 21-Dec-2007 15:28

Air Toxics Ltd.

RECOVERY REPORT

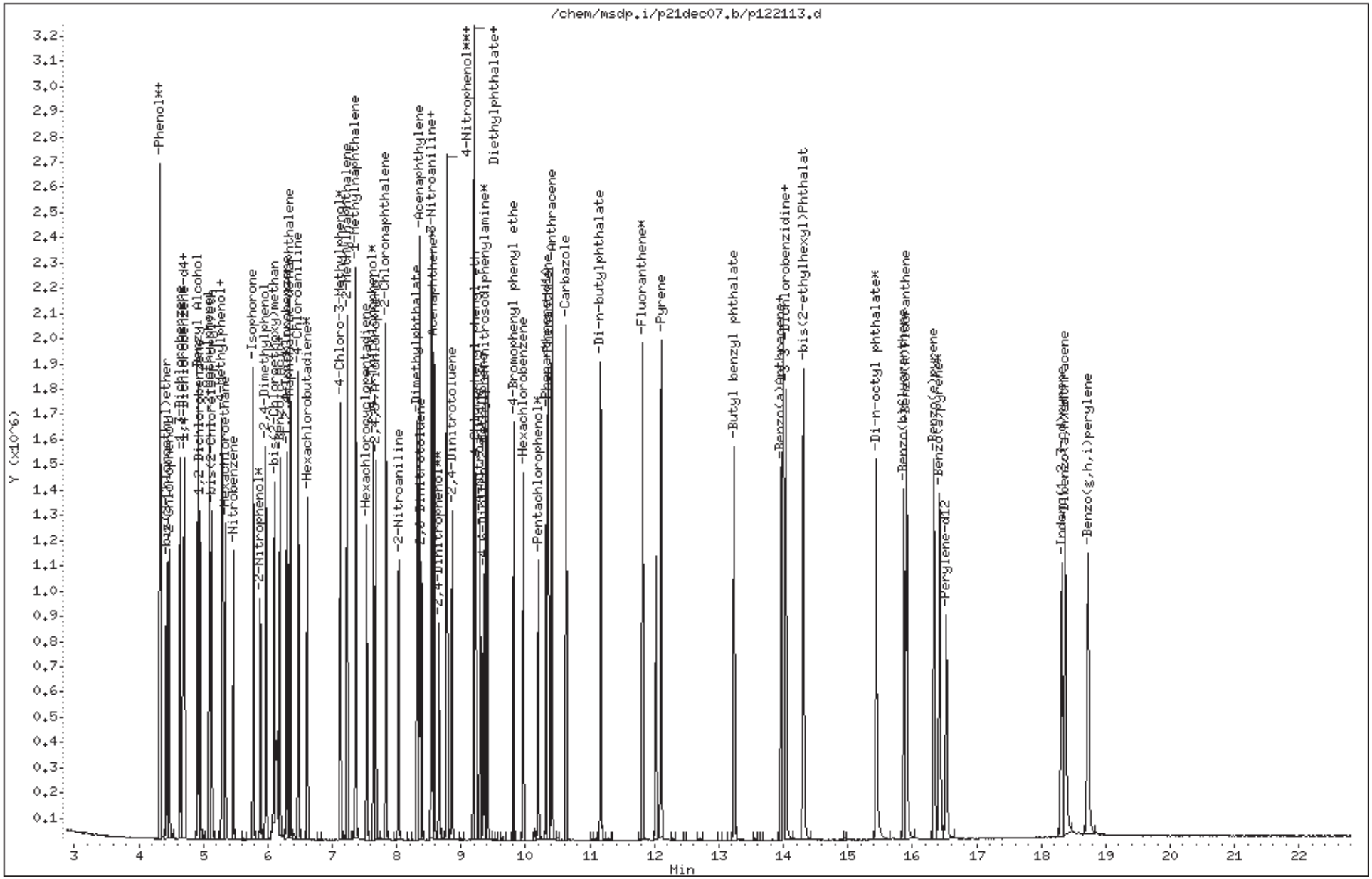
Client Name: Client SDG: p21dec07
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 1500-79-50 Client Smp ID: LCS
Level: LOW Operator: LP
Data Type: MS DATA SampleType: LCS
SpikeList File: 8270sec.spk Quant Type: ISTD
Sublist File: second.sub
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

SPIKE	COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
3	Phenol*	50.00	50.48	100.95	70-130
4	bis(2-Chloroethyl)	50.00	49.50	98.99	70-130
5	2-Chlorophenol	50.00	51.48	102.96	70-130
6	1,3-Dichlorobenzen	50.00	49.31	98.63	70-130
9	1,4-Dichlorobenzen	50.00	49.03	98.07	70-130
10	Benzyl Alcohol	50.00	52.72	105.44	70-130
11	1,2-Dichlorobenzen	50.00	50.99	101.98	70-130
12	2-Methylphenol	50.00	50.58	101.17	70-130
13	bis(2-Chloroisopro	50.00	49.70	99.39	70-130
14	4-Methylphenol	50.00	49.50	99.00	70-130
15	N-Nitrosodipropyla	50.00	50.76	101.53	70-130
16	Hexachloroethane	50.00	52.69	105.39	70-130
18	Nitrobenzene	50.00	52.33	104.66	70-130
19	Isophorone	50.00	58.33	116.66	70-130
20	2-Nitrophenol*	50.00	55.14	110.28	70-130
21	2,4-Dimethylphenol	50.00	50.74	101.48	70-130
23	bis(2-Chloroethoxy	50.00	50.13	100.26	70-130
24	Benzoic Acid	50.00	56.47	112.93	70-130
25	2,4-Dichlorophenol	50.00	54.45	108.90	70-130
26	1,2,4-Trichloroben	50.00	52.16	104.33	70-130
28	Naphthalene	50.00	52.02	104.04	70-130
29	4-Chloroaniline	50.00	53.44	106.88	70-130
30	Hexachlorobutadien	50.00	52.14	104.27	70-130
32	4-Chloro-3-Methylp	50.00	51.99	103.97	70-130
33	2-Methylnaphthalen	50.00	54.26	108.52	70-130
145	1-Methylnaphthalen	50.00	48.82	97.65	70-130
35	Hexachlorocyclopen	50.00	54.65	109.30	70-130
36	2,4,6-Trichlorophe	50.00	51.28	102.55	70-130
37	2,4,5-Trichlorophe	50.00	50.51	101.02	70-130
39	2-Chloronaphthalen	50.00	51.13	102.25	70-130
40	2-Nitroaniline	50.00	54.28	108.56	70-130
46	3-Nitroaniline	50.00	52.79	105.59	70-130
42	Dimethylphthalate	50.00	52.96	105.91	70-130

SPIKE	COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
44	2,6-Dinitrotoluene	50.00	51.15	102.30	70-130
45	Acenaphthylene	50.00	52.67	105.34	70-130
48	Acenaphthene*	50.00	51.43	102.87	70-130
49	2,4-Dinitrophenol*	50.00	50.88	101.76	70-130
50	4-Nitrophenol**	50.00	49.88	99.75	70-130
52	2,4-Dinitrotoluene	50.00	53.71	107.41	70-130
51	Dibenzofuran	50.00	50.04	100.08	70-130
56	Diethylphthalate	50.00	50.47	100.93	70-130
57	Fluorene	50.00	48.80	97.61	70-130
58	4-Chlorophenyl phe	50.00	51.25	102.51	70-130
59	4-Nitroaniline	50.00	52.61	105.21	70-130
60	4,6-Dinitro-2-meth	50.00	55.31	110.62	70-130
61	N-nitrosodiphenyla	50.00	43.28	86.57	70-130
65	4-Bromophenyl phen	50.00	51.29	102.59	70-130
66	Hexachlorobenzene	50.00	49.85	99.70	70-130
144	Carbazole	50.00	53.20	106.39	70-130
68	Pentachlorophenol*	50.00	53.45	106.90	70-130
72	Phenanthrene	50.00	50.93	101.87	70-130
73	Anthracene	50.00	54.97	109.94	70-130
78	Di-n-butylphthalat	50.00	55.15	110.30	70-130
80	Fluoranthene*	50.00	54.69	109.38	70-130
81	Pyrene	50.00	51.90	103.80	70-130
85	Butyl benzyl phtha	50.00	52.26	104.51	70-130
89	3 3'-Dichlorobenzi	50.00	53.92	107.84	70-130
88	Benzo(a)Anthracene	50.00	52.11	104.22	70-130
91	Chrysene	50.00	51.43	102.86	70-130
93	bis(2-ethylhexyl)P	50.00	55.60	111.21	70-130
94	Di-n-octyl phthala	50.00	59.42	118.84	70-130
95	Benzo(b)fluoranthe	50.00	54.17	108.34	70-130
96	Benzo(k)fluoranthe	50.00	53.24	106.49	70-130
97	Benzo(e)pyrene	50.00	53.00	106.00	70-130
98	Benzo(a)pyrene*	50.00	55.86	111.72	70-130
103	Indeno(1,2,3-cd)py	50.00	55.52	111.03	70-130
104	Dibenzo(a,h)anthra	50.00	51.07	102.14	70-130
105	Benzo(g,h,i)peryle	50.00	54.94	109.87	70-130

0109

Data File: /chem/msdp.i/p21dec07.b/p122113.d
Date : 21-DEC-2007 15:19
Client ID: LCS
Instrument: msdp.i
Sample Info: ;1500-79-50;LCS
Volume Injected (uL): 1.0
Operator: LP
Column phase: DB-5.625
Column diameter: 0.25



Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

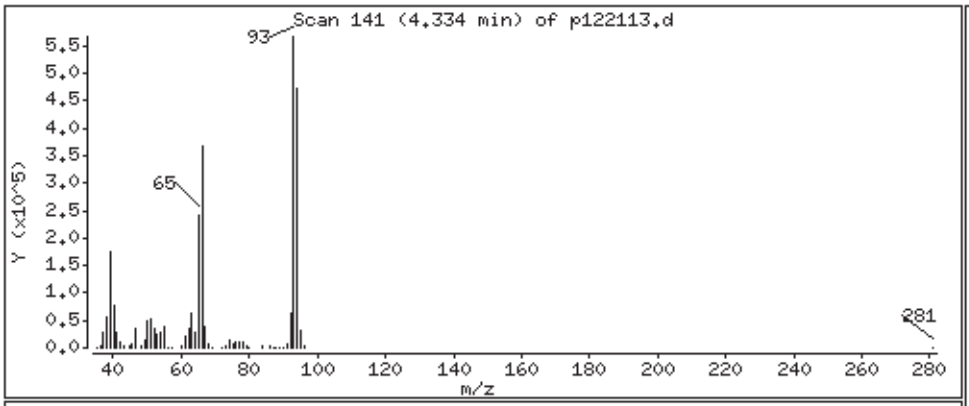
Operator: LP

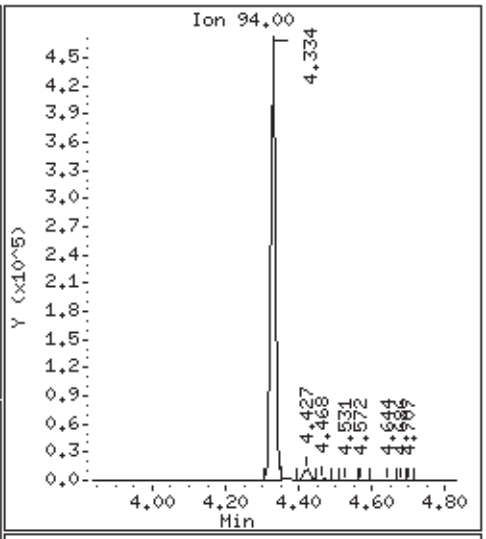
Column phase: DB-5.625

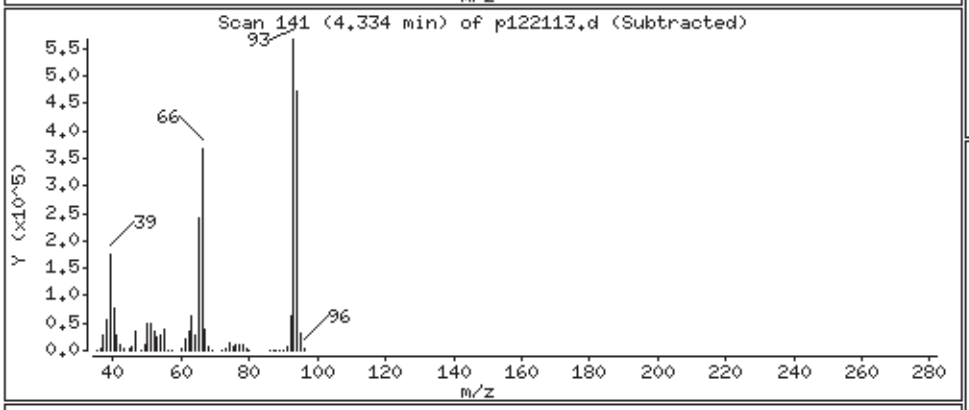
Column diameter: 0.25

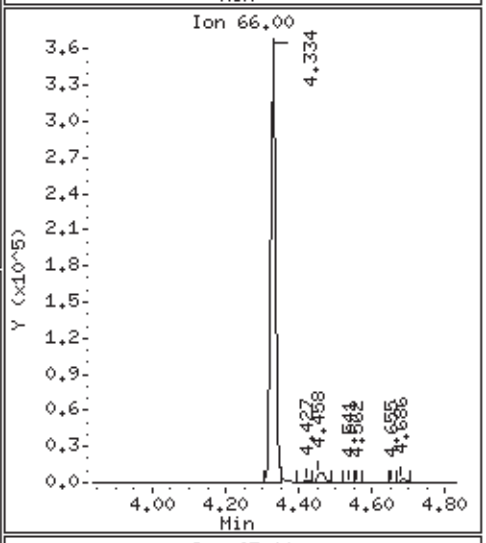
3 Phenol*

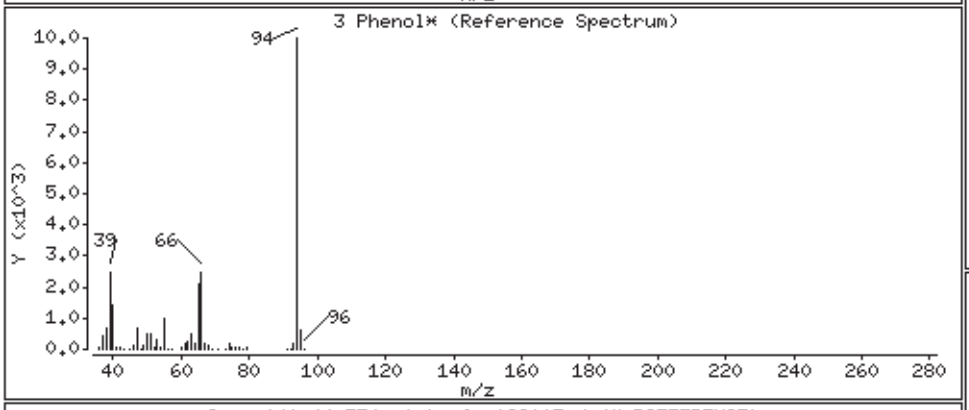
Concentration: 50.48 ug

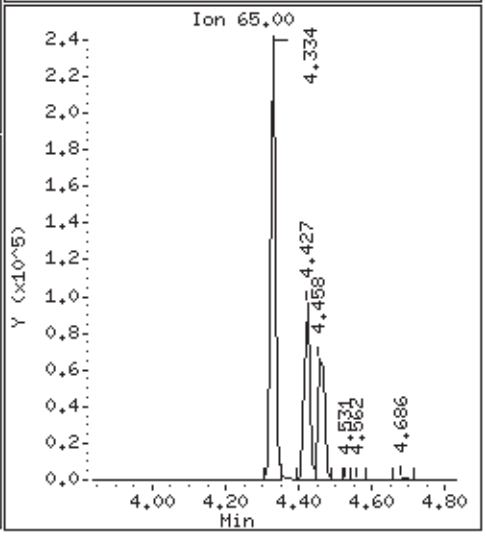


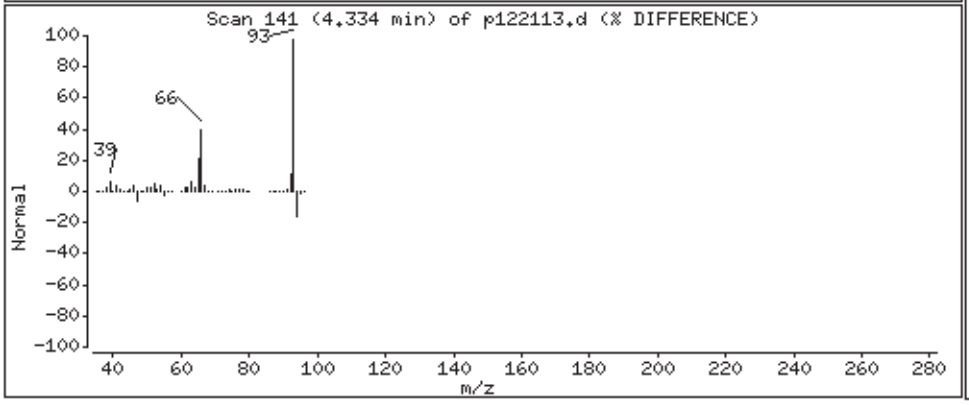












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

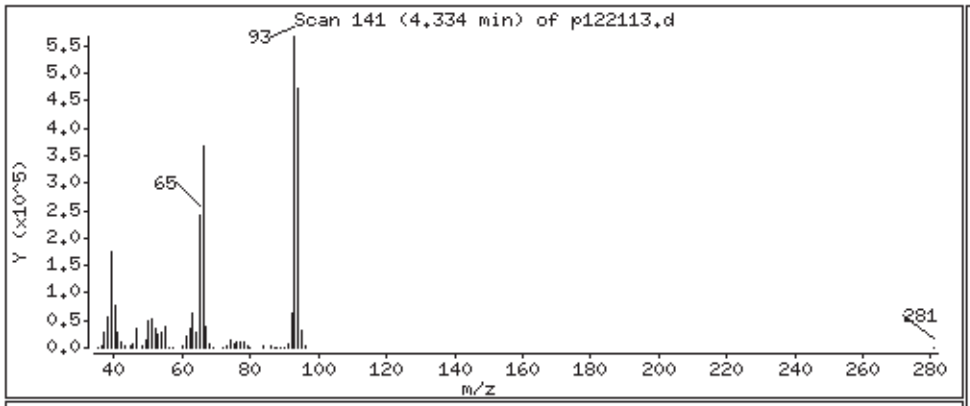
Operator: LP

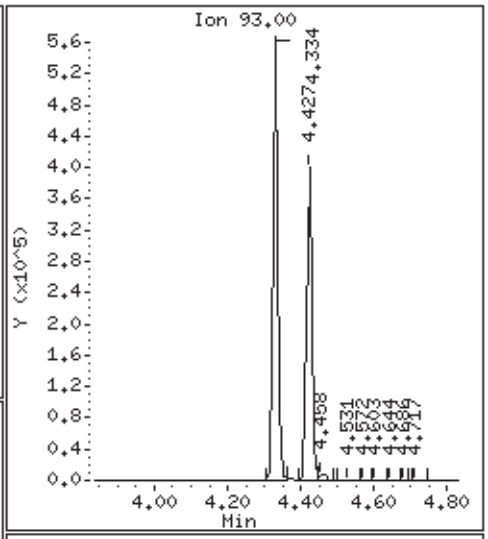
Column phase: DB-5.625

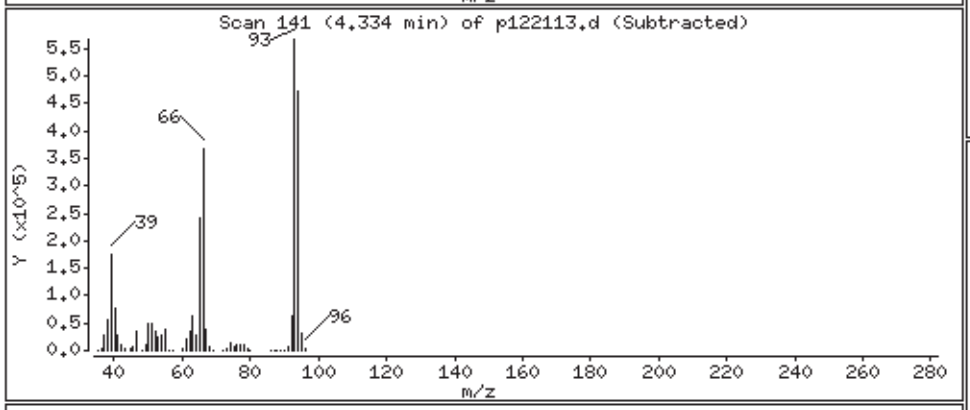
Column diameter: 0.25

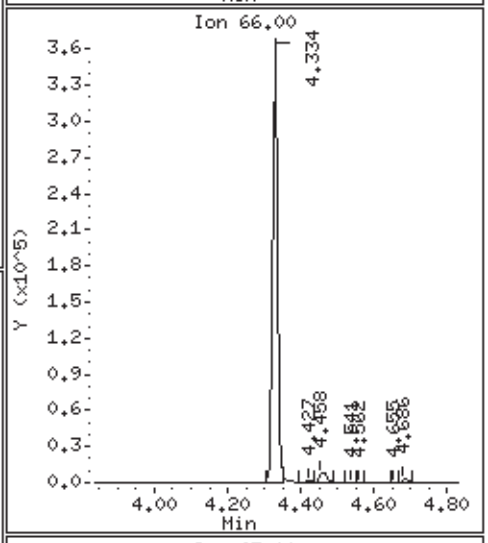
41 Aniline

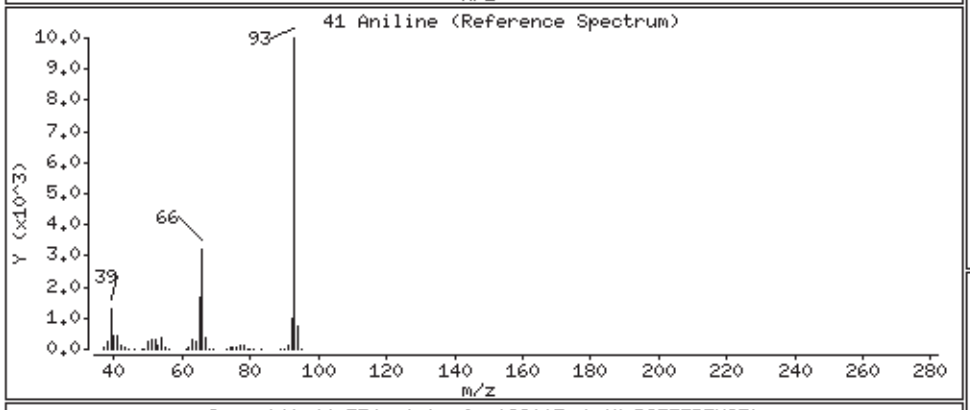
Concentration: 50.18 ug

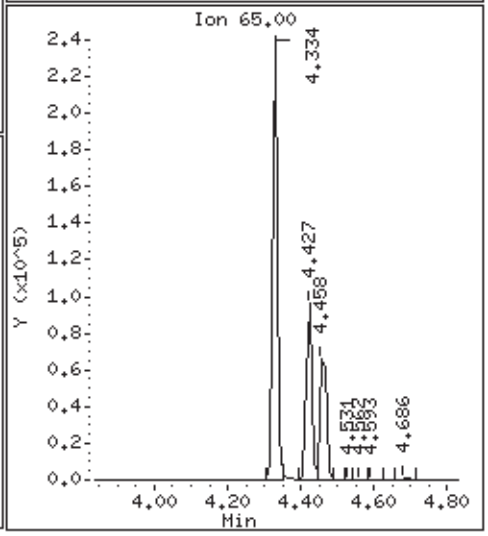


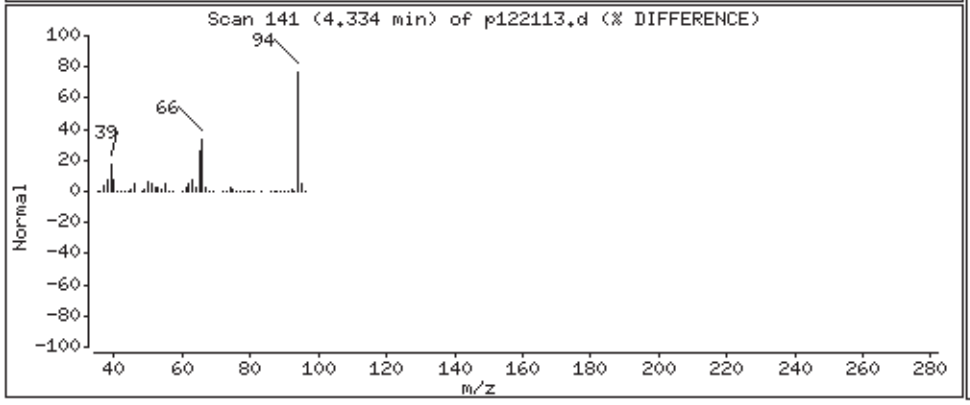












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

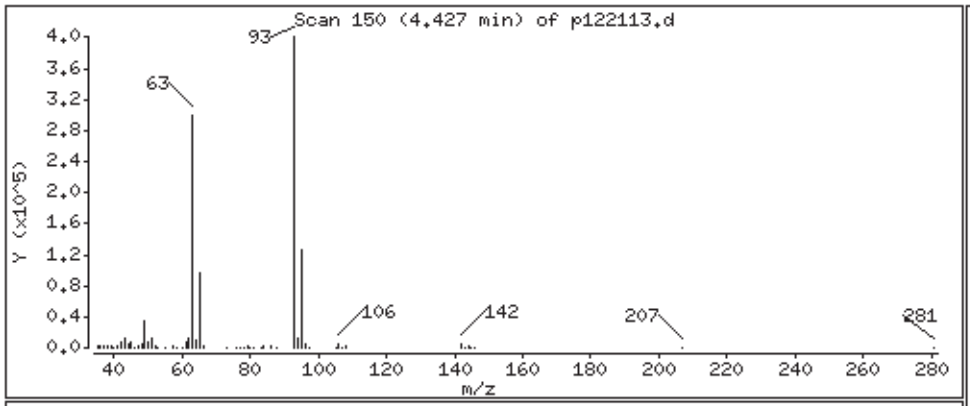
Operator: LP

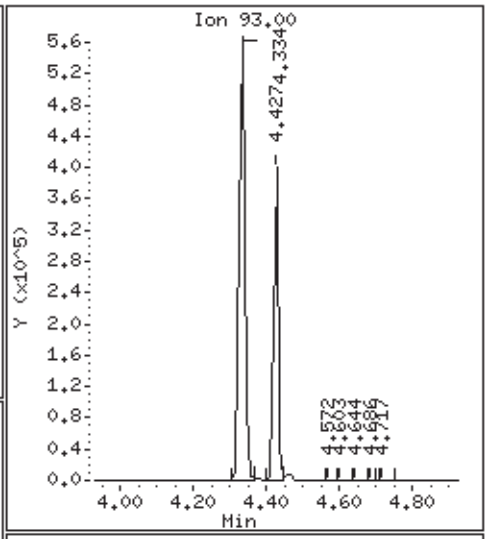
Column phase: DB-5.625

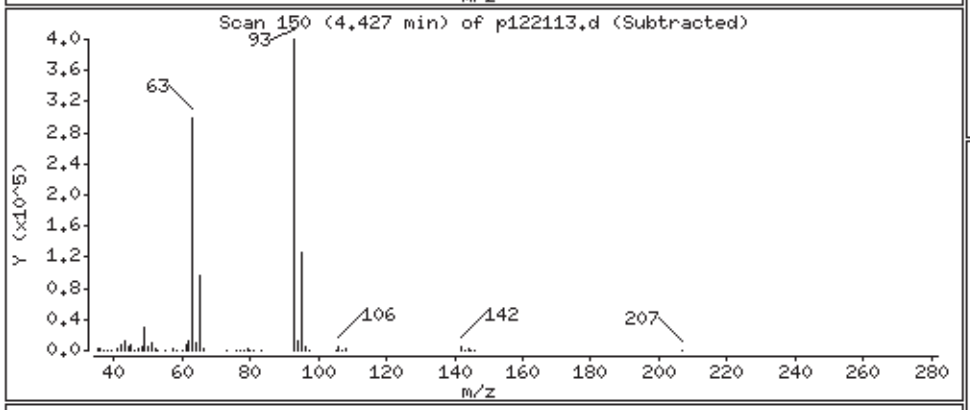
Column diameter: 0.25

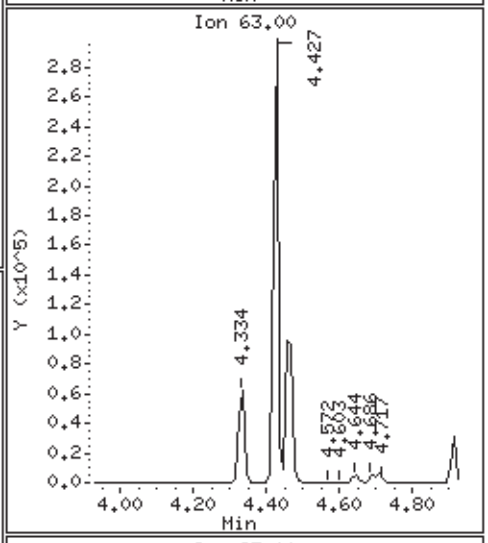
4 bis(2-Chloroethyl)ether

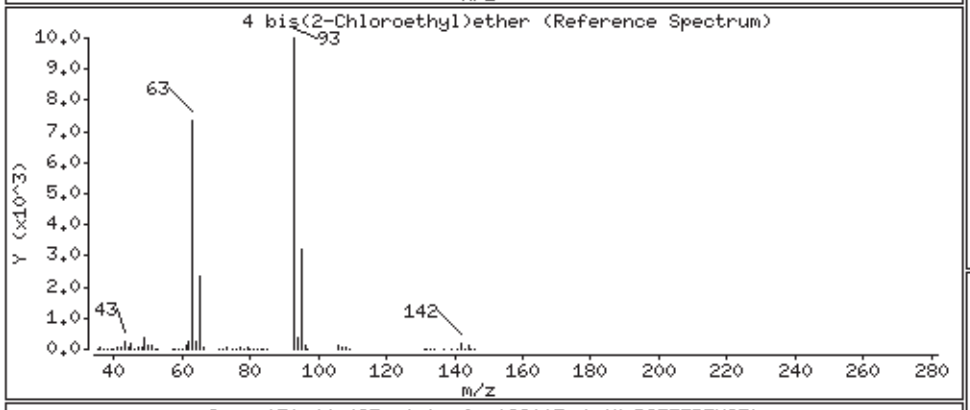
Concentration: 49.50 ug

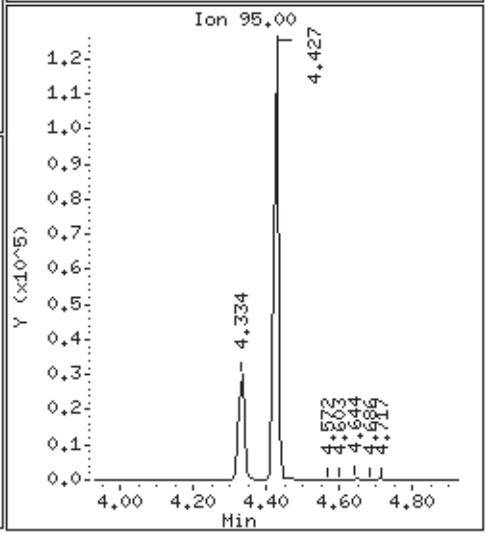


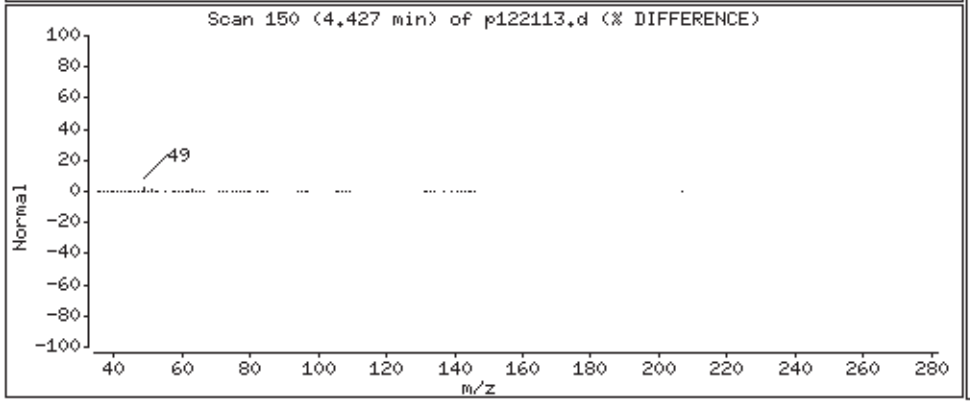












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

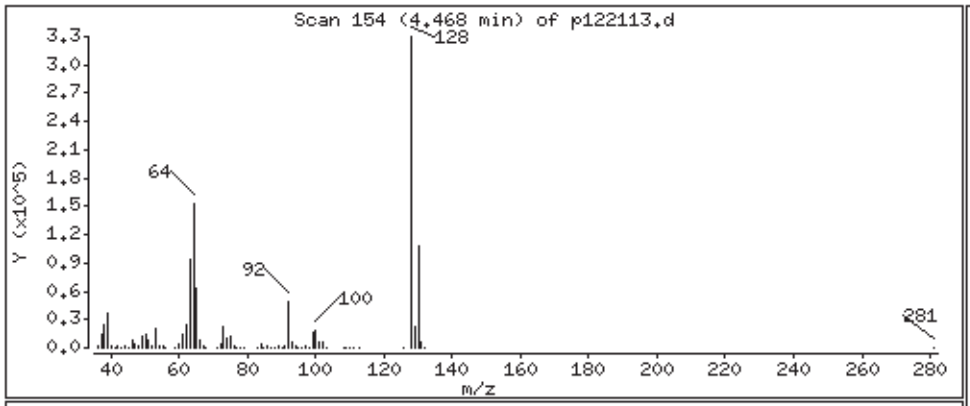
Operator: LP

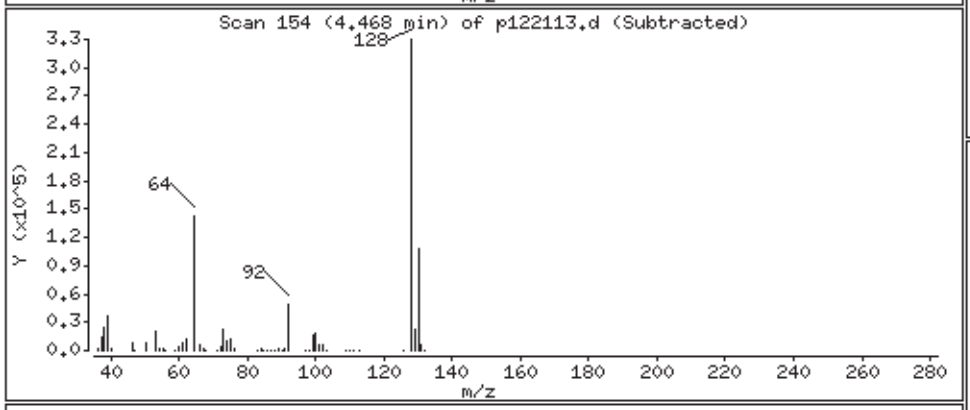
Column phase: DB-5.625

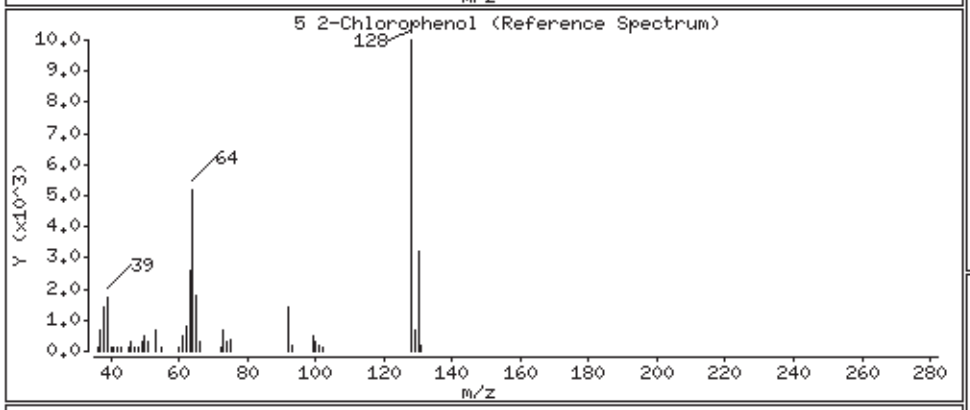
Column diameter: 0.25

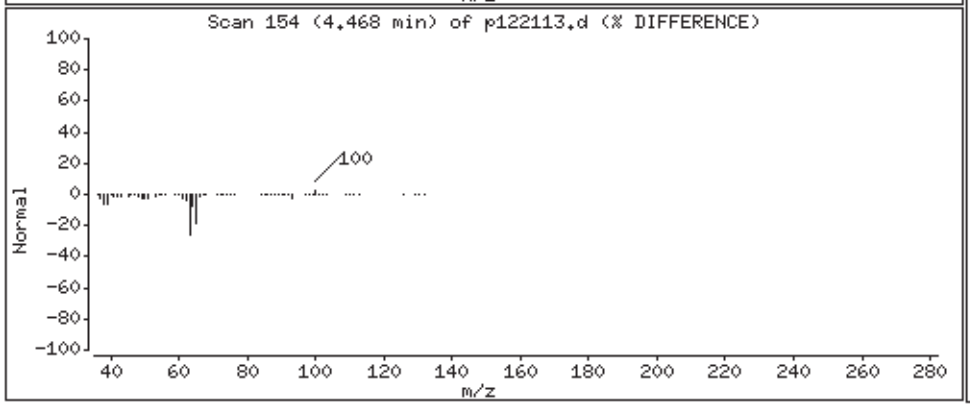
5 2-Chlorophenol

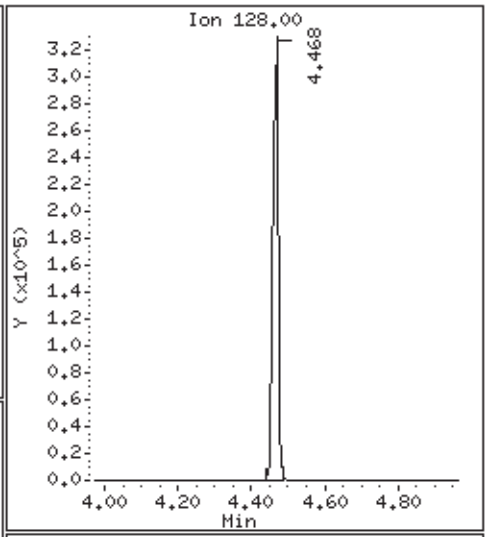
Concentration: 51.48 ug

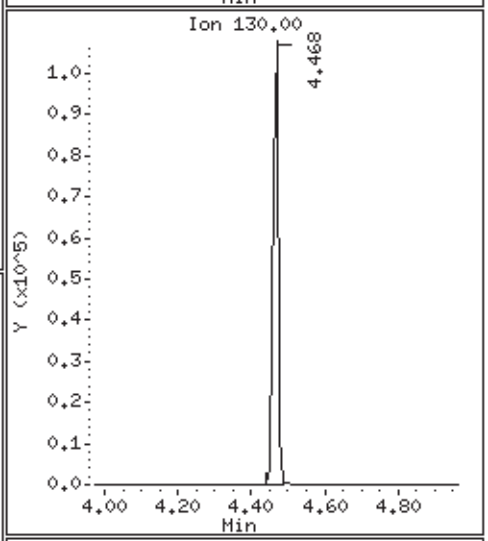


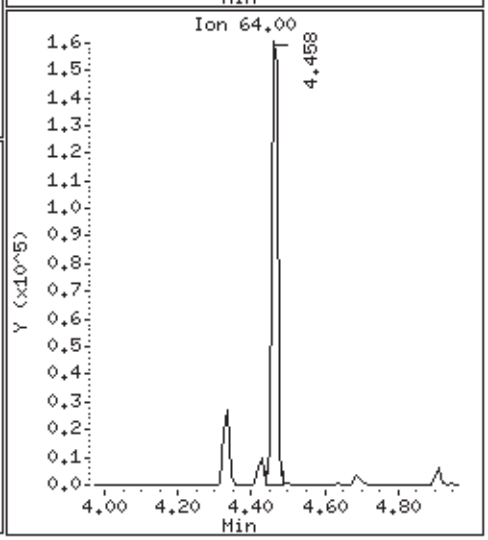












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

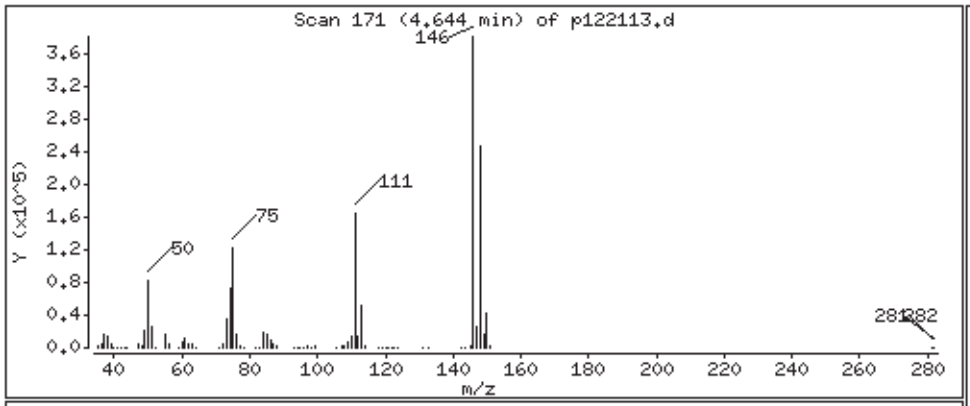
Operator: LP

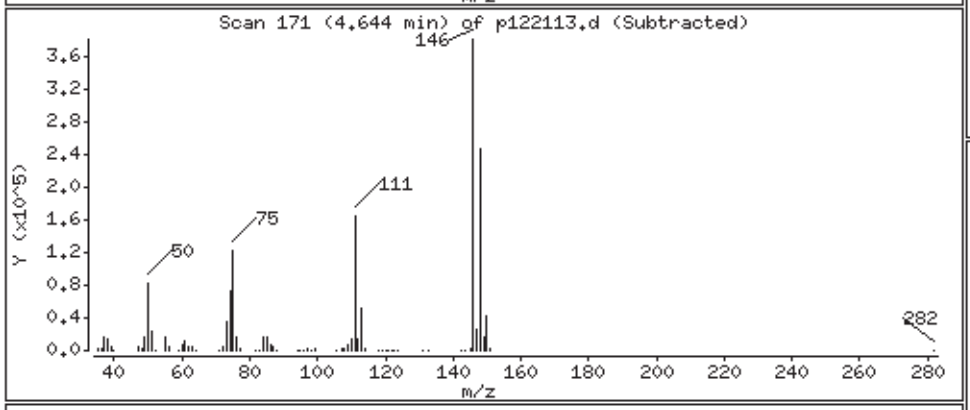
Column phase: DB-5.625

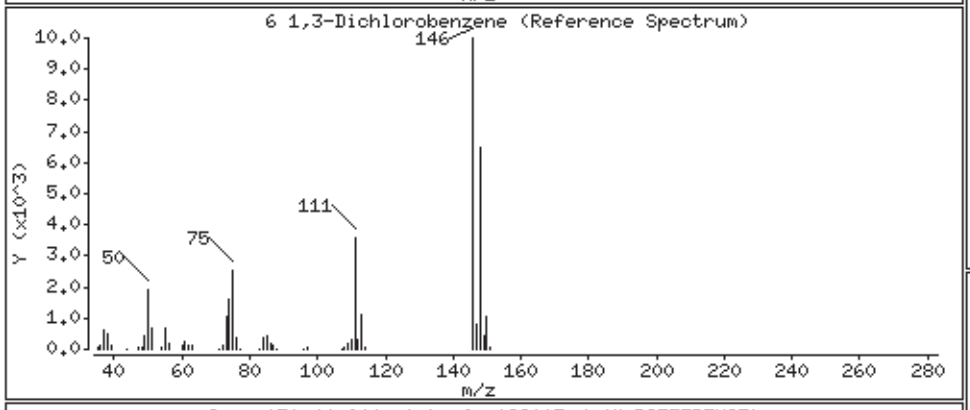
Column diameter: 0.25

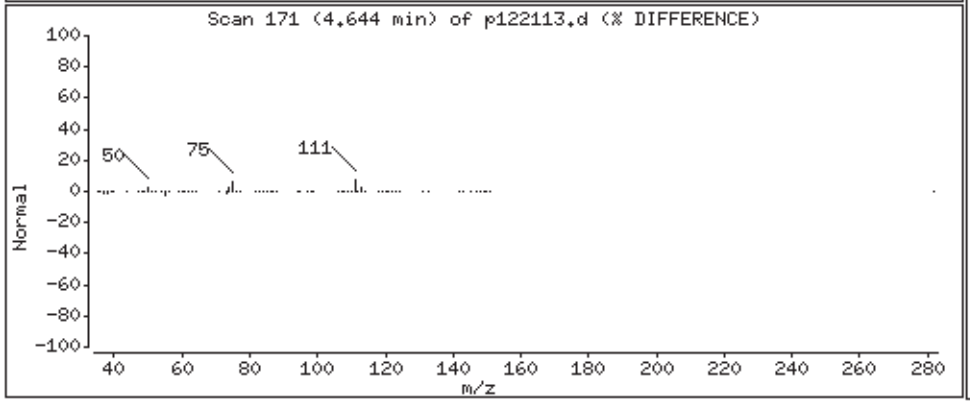
6 1,3-Dichlorobenzene

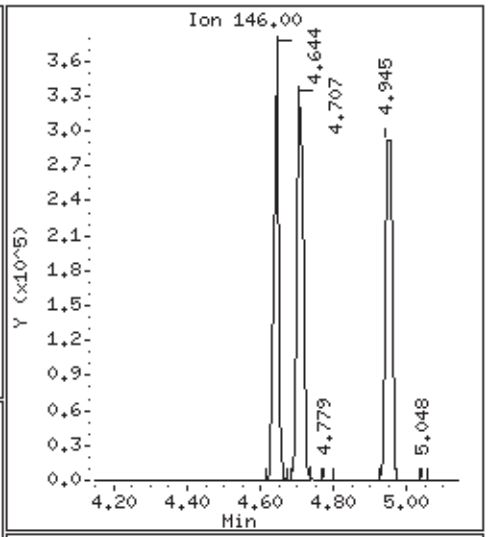
Concentration: 49.31 ug

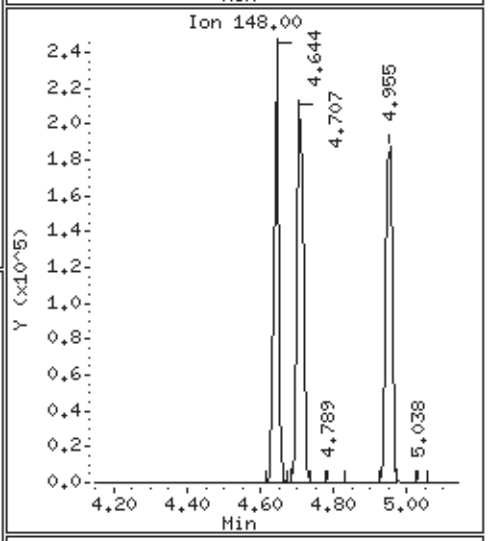


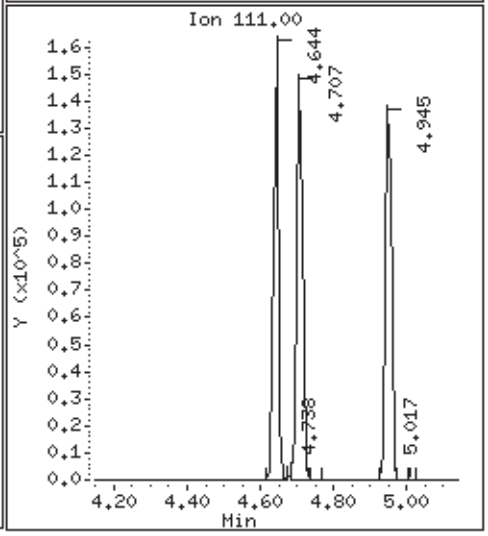












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

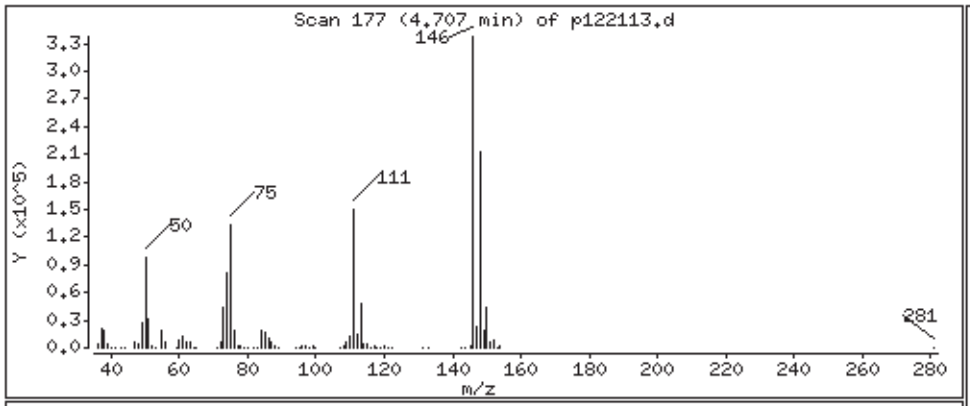
Operator: LP

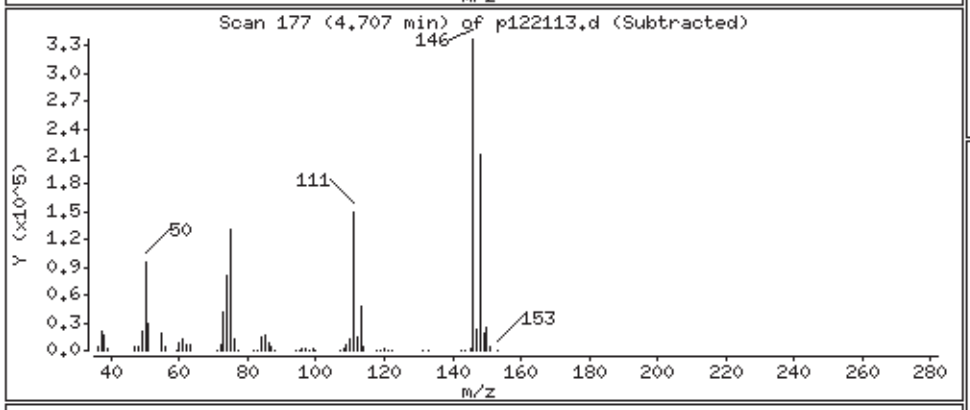
Column phase: DB-5.625

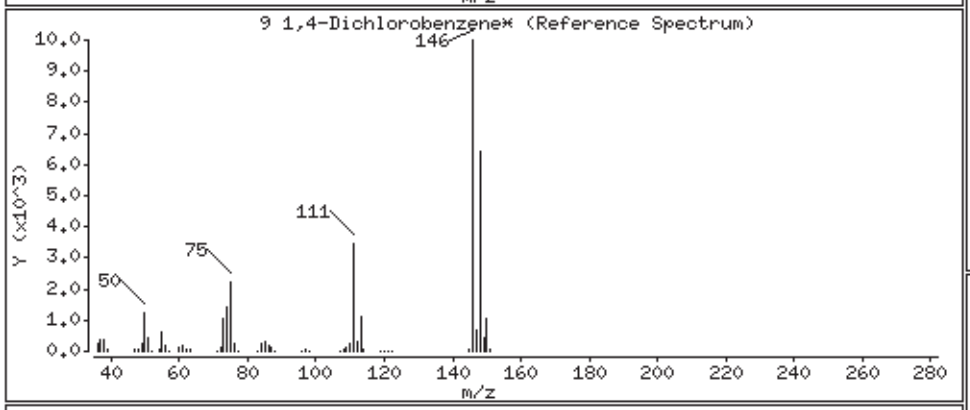
Column diameter: 0.25

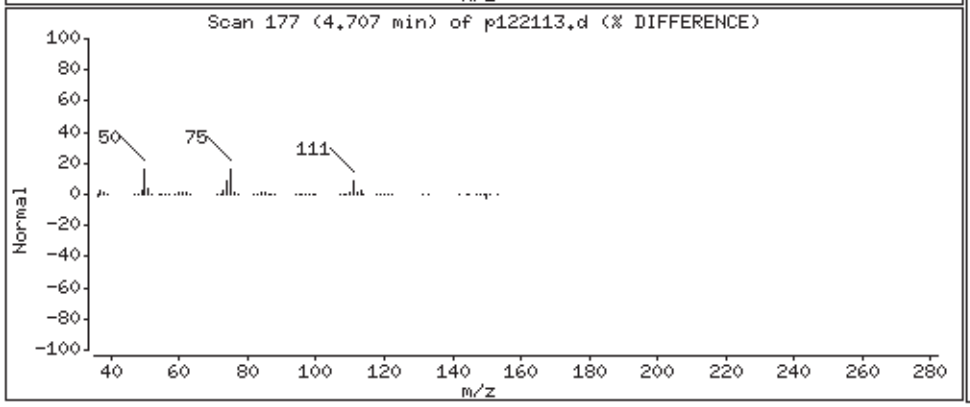
9 1,4-Dichlorobenzene*

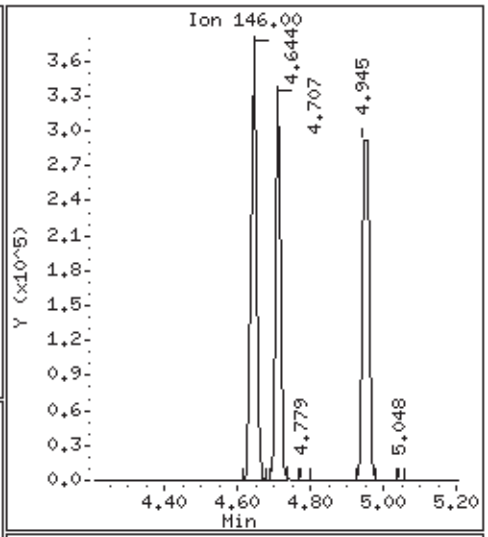
Concentration: 49.03 ug

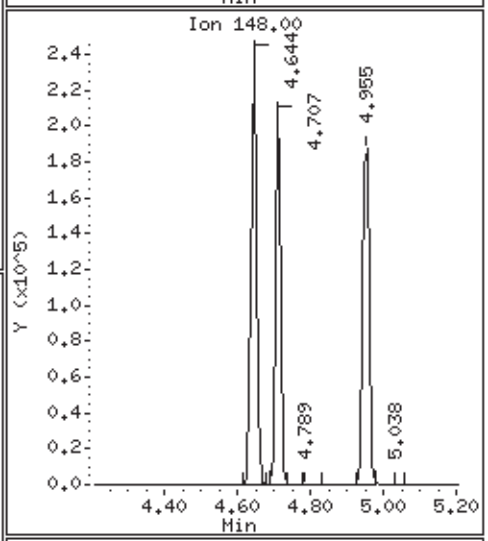


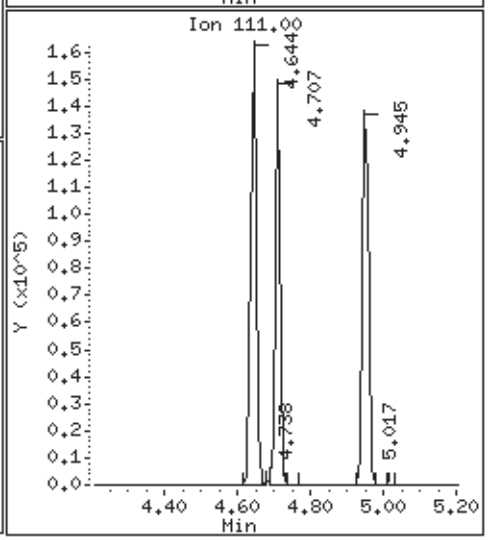












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

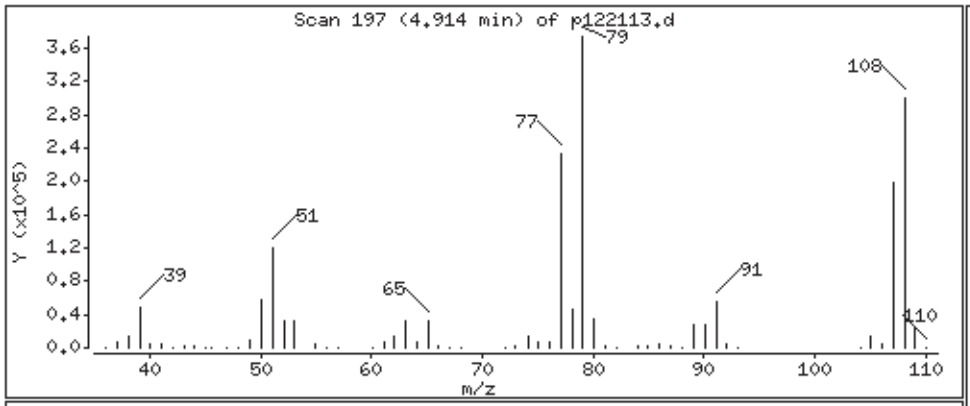
Operator: LP

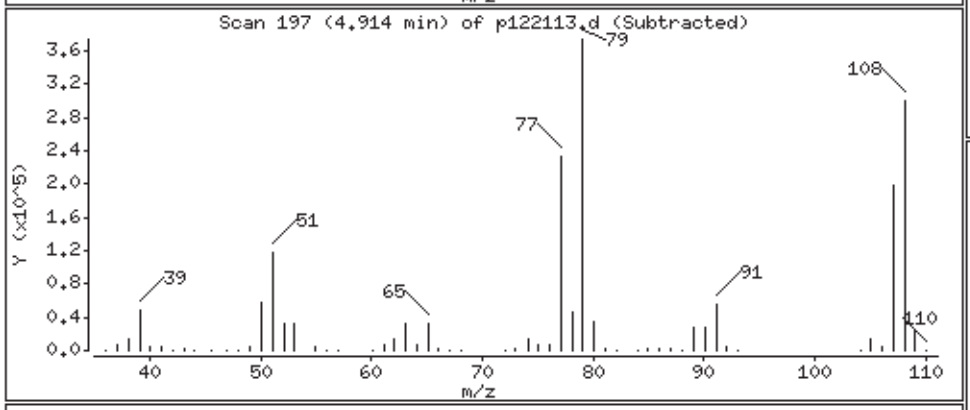
Column phase: DB-5.625

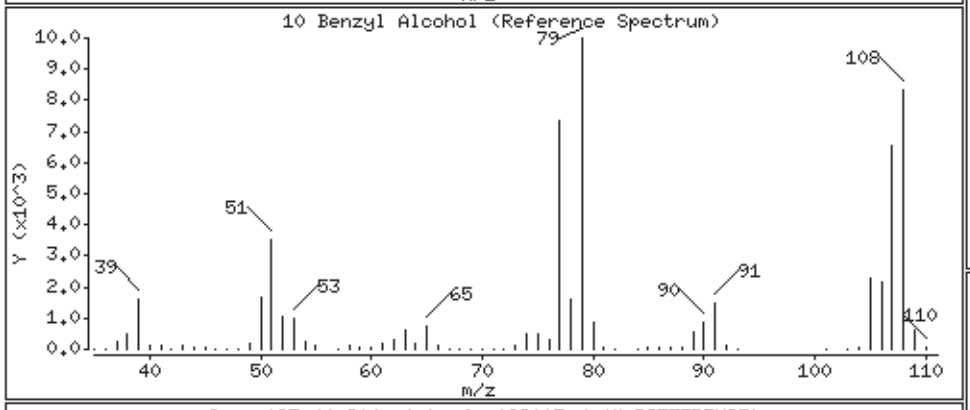
Column diameter: 0.25

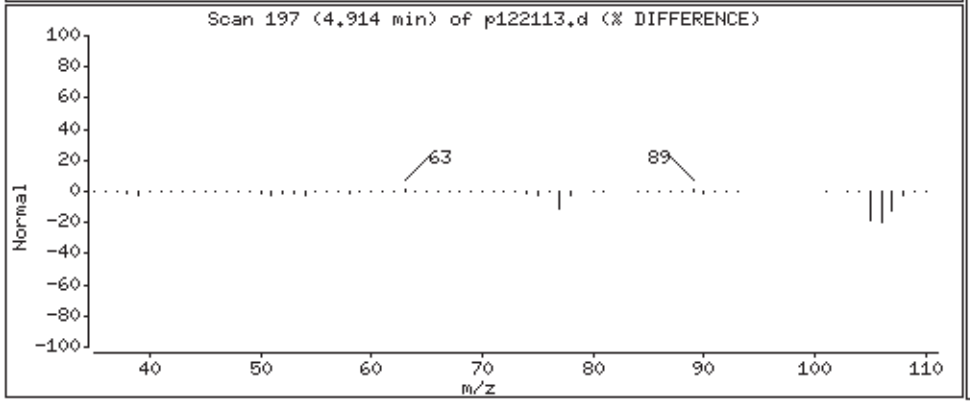
10 Benzyl Alcohol

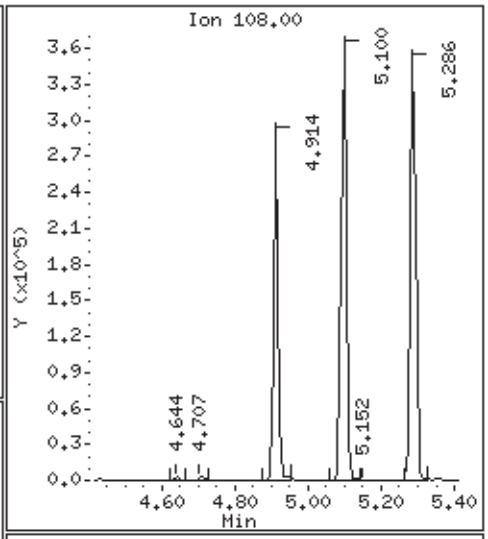
Concentration: 52.72 ug

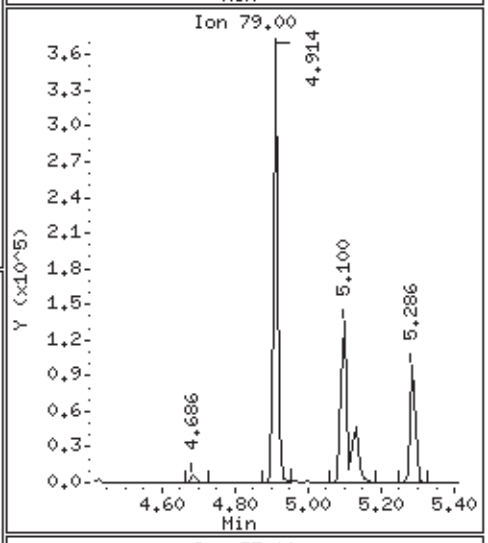


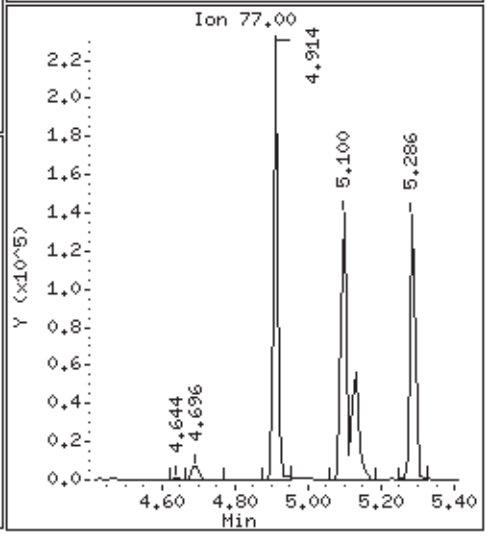












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

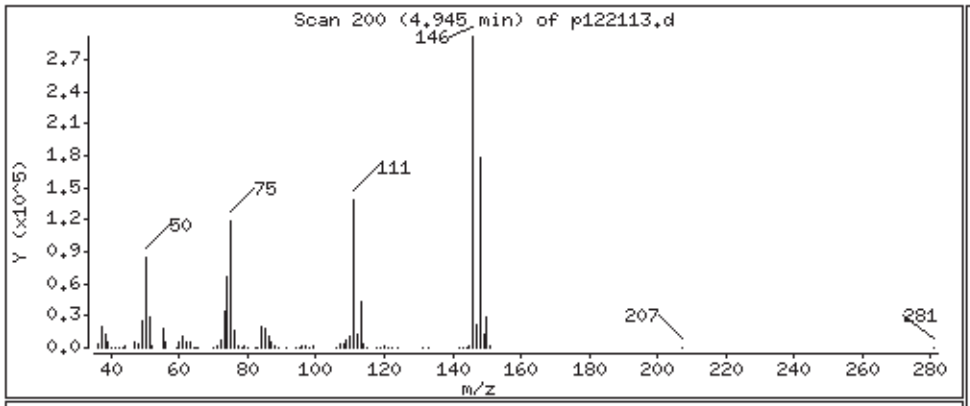
Operator: LP

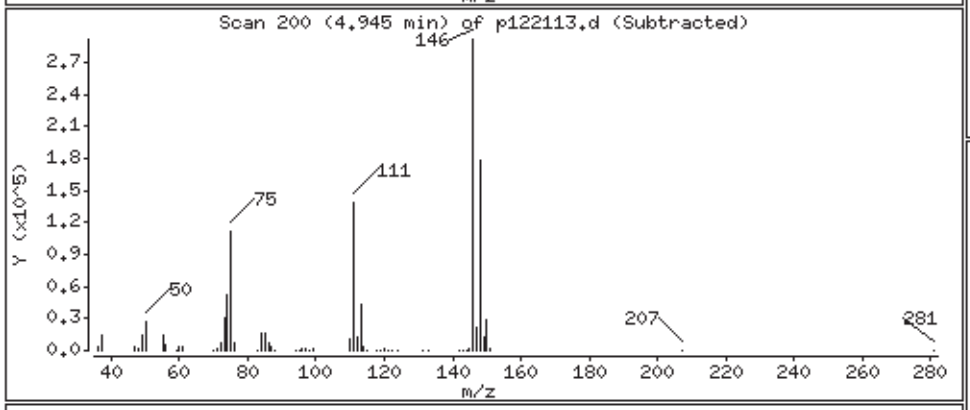
Column phase: DB-5.625

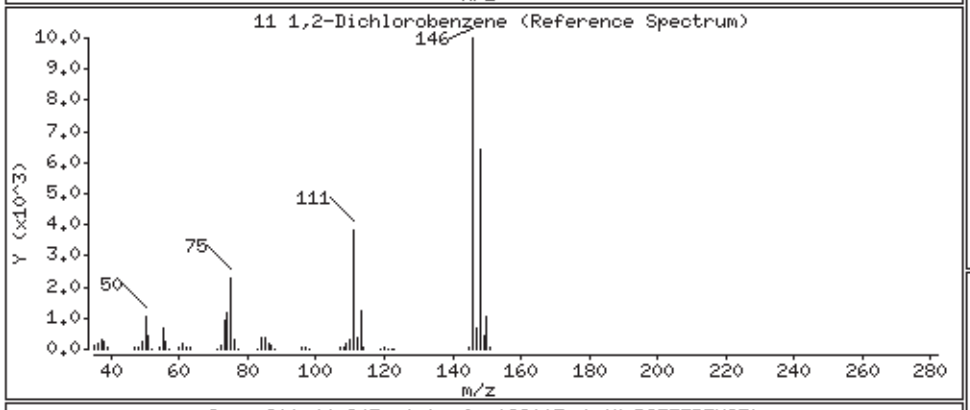
Column diameter: 0.25

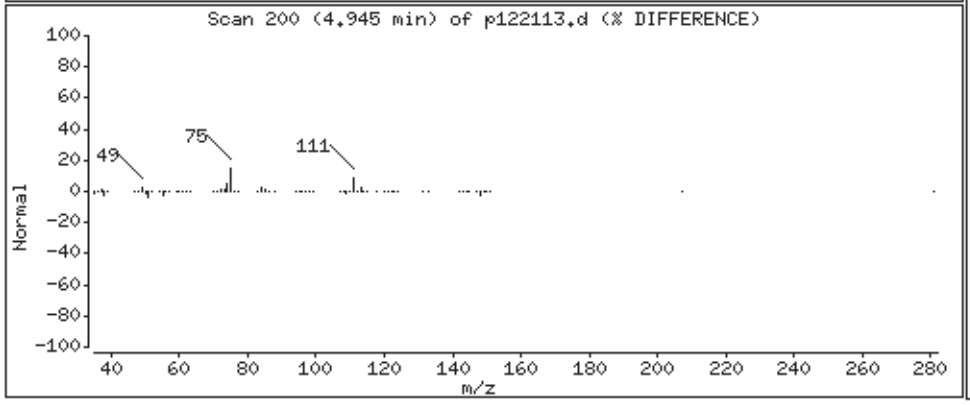
11 1,2-Dichlorobenzene

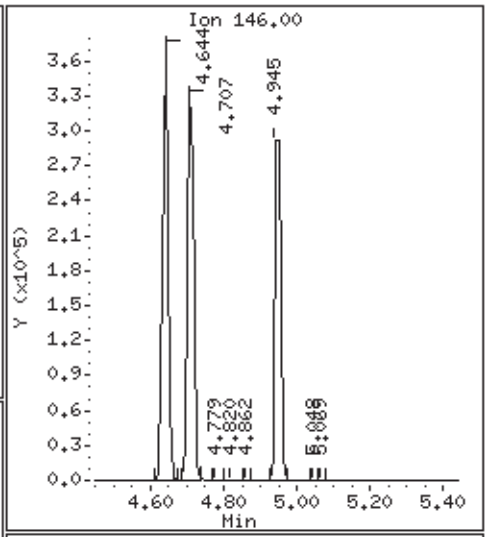
Concentration: 50.99 ug

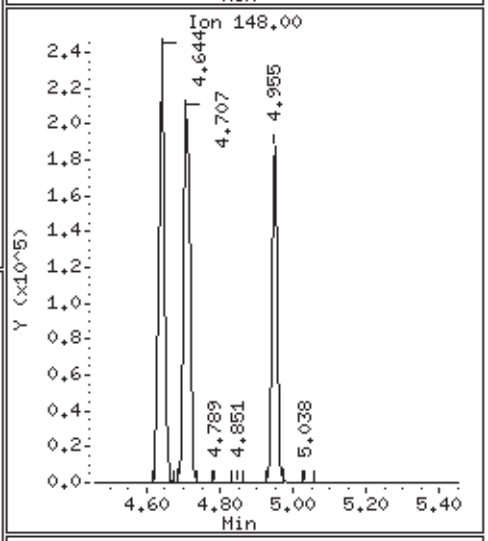


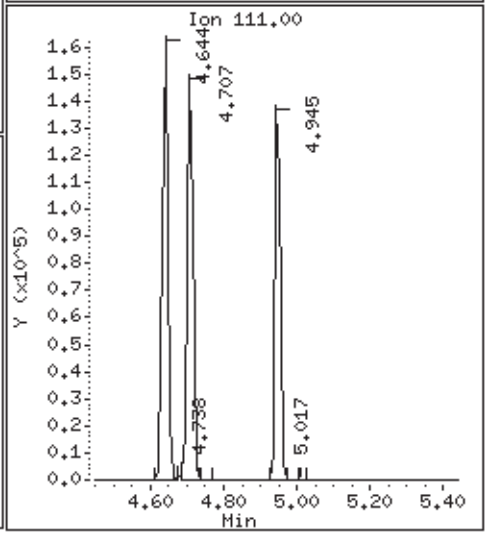












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

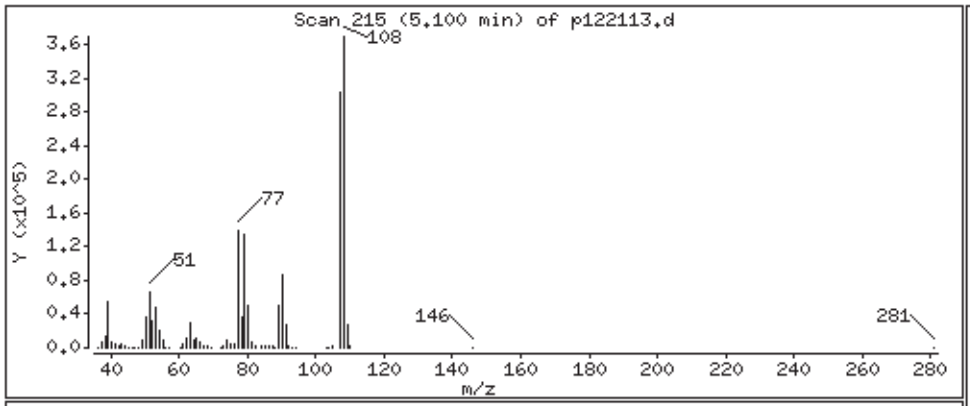
Operator: LP

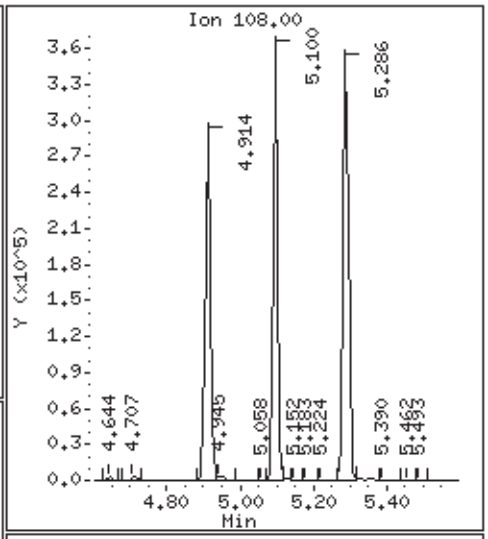
Column phase: DB-5.625

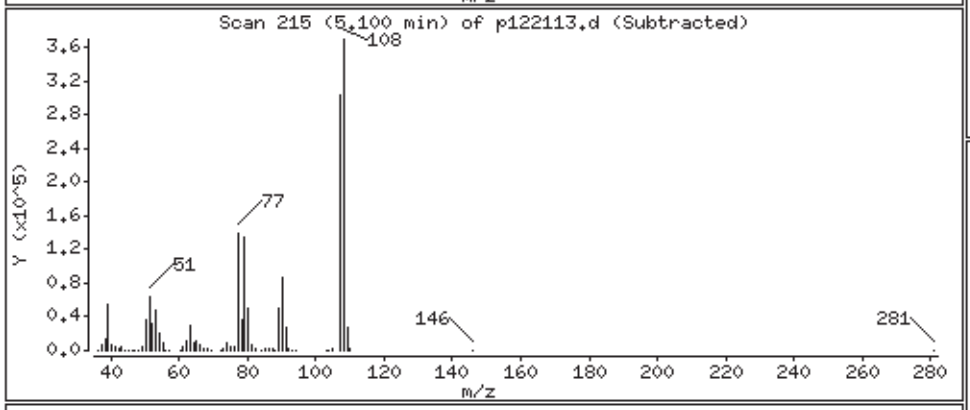
Column diameter: 0.25

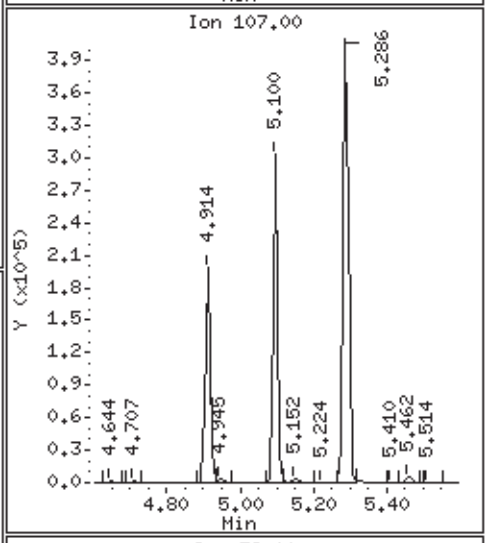
12 2-Methylphenol

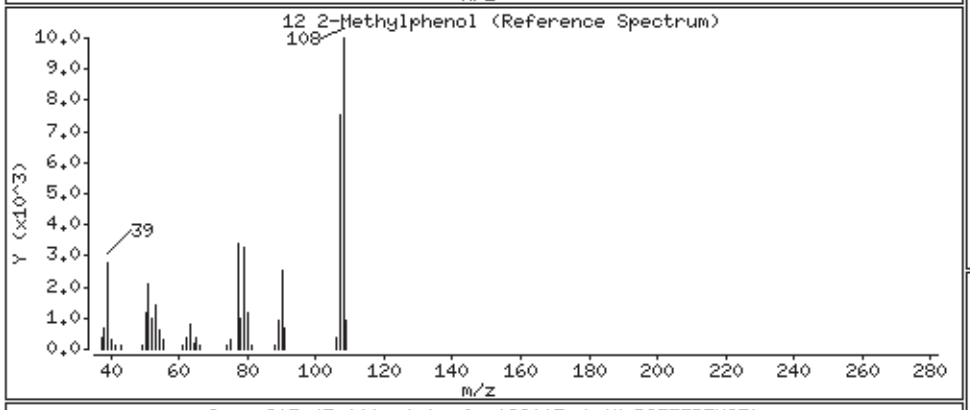
Concentration: 50.58 ug

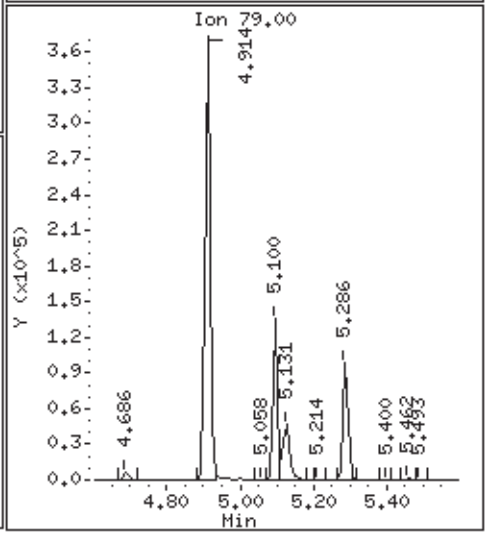


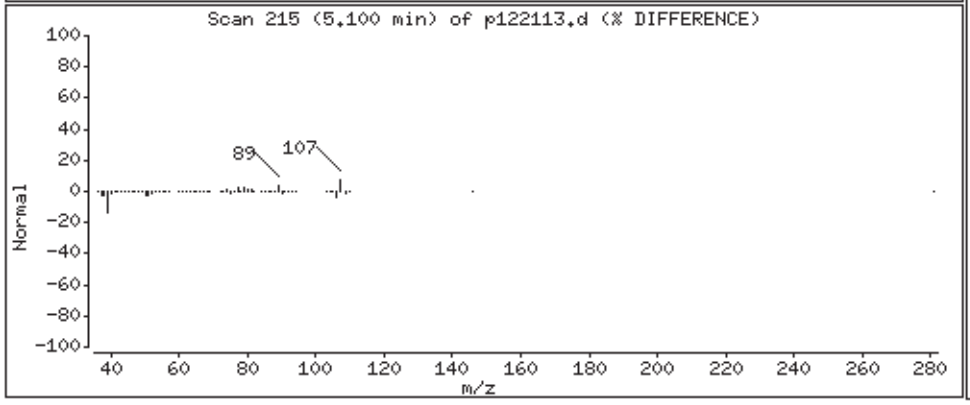












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

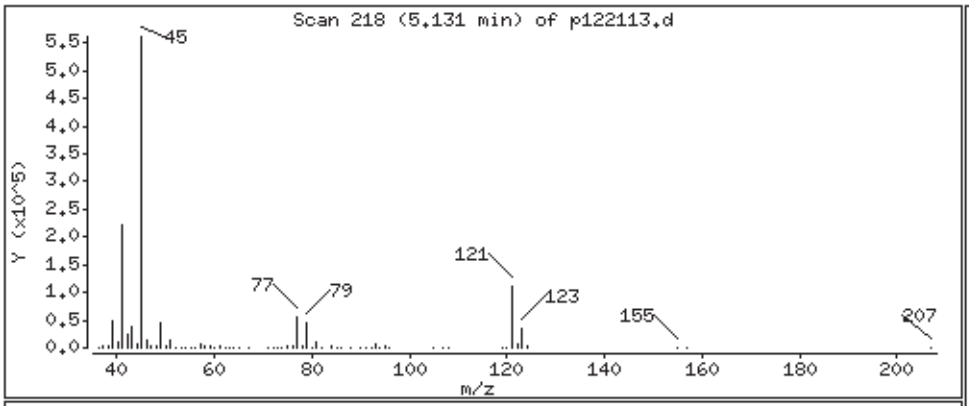
Operator: LP

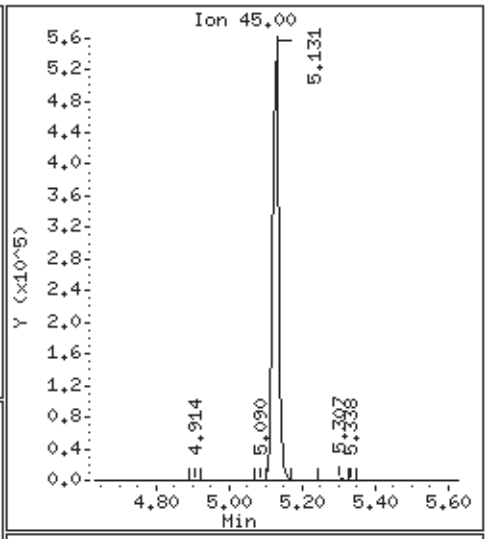
Column phase: DB-5.625

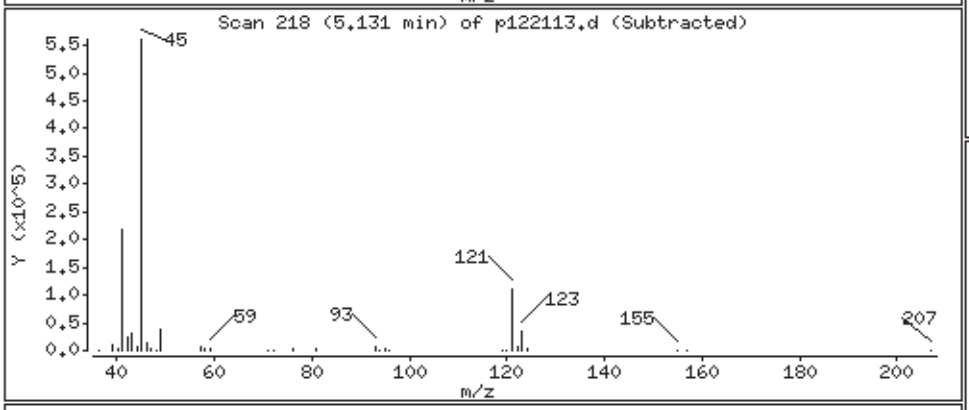
Column diameter: 0.25

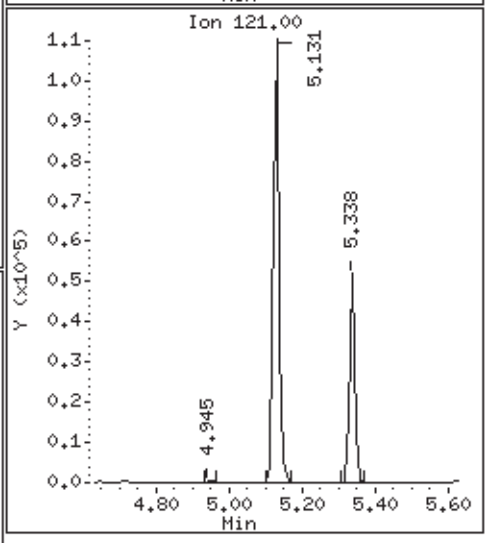
13 bis(2-Chloroisopropyl)ether

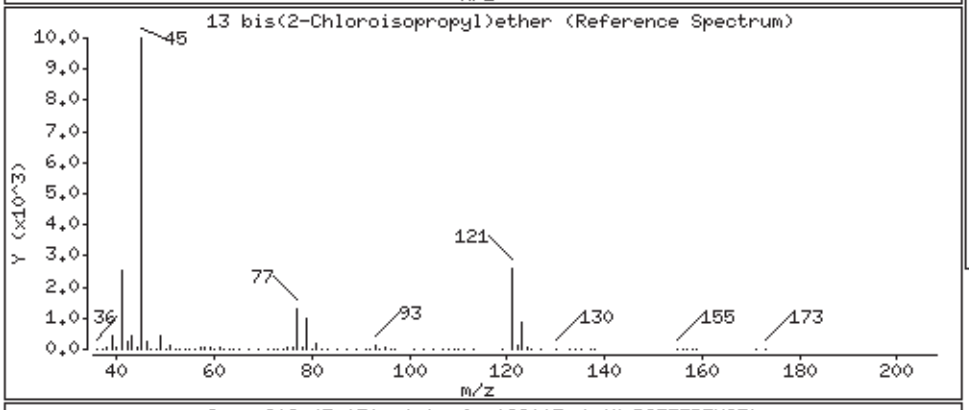
Concentration: 49.70 ug

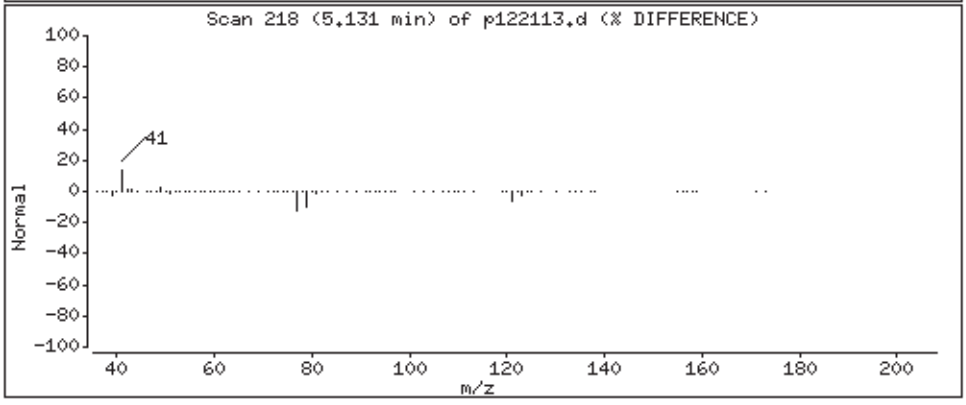












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

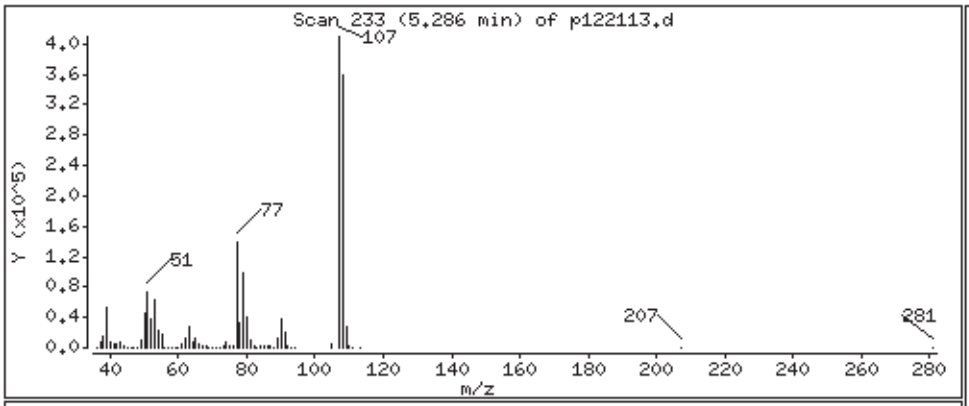
Operator: LP

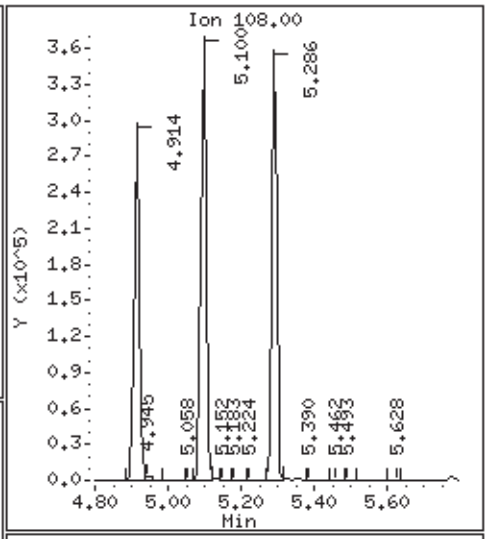
Column phase: DB-5.625

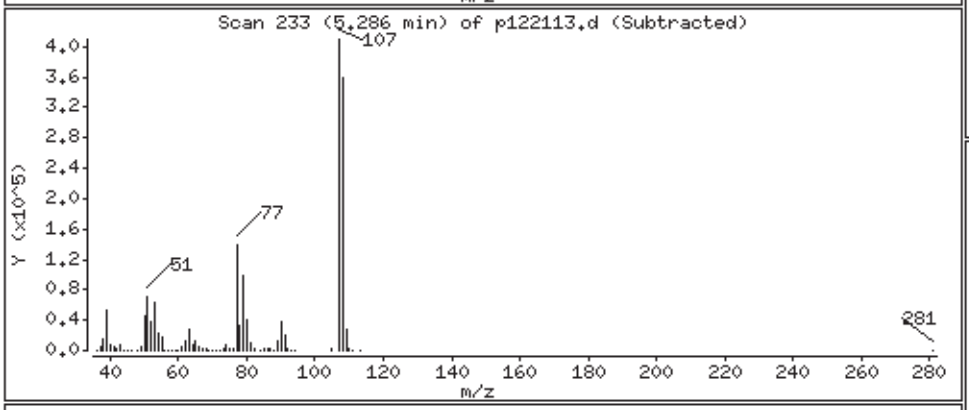
Column diameter: 0.25

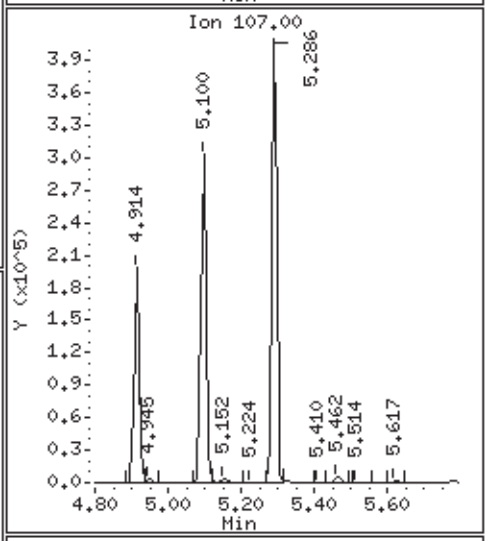
14 4-Methylphenol

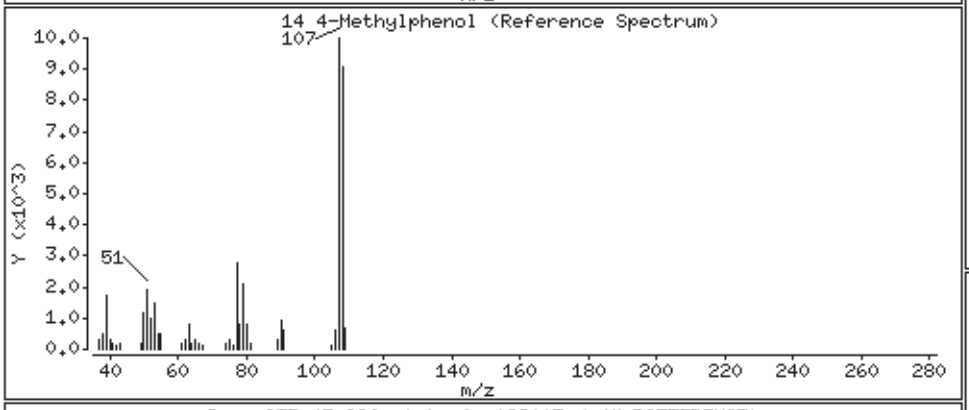
Concentration: 49.50 ug

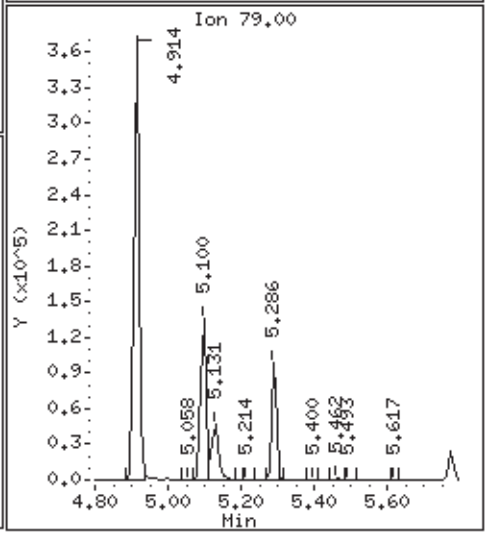


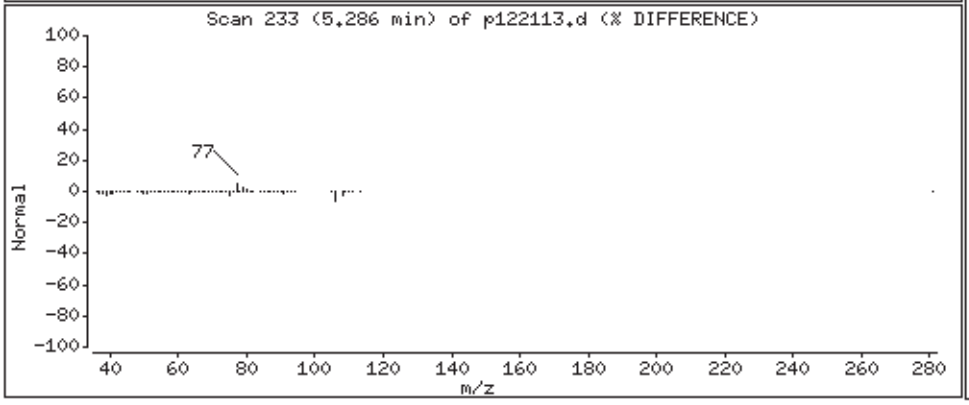












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

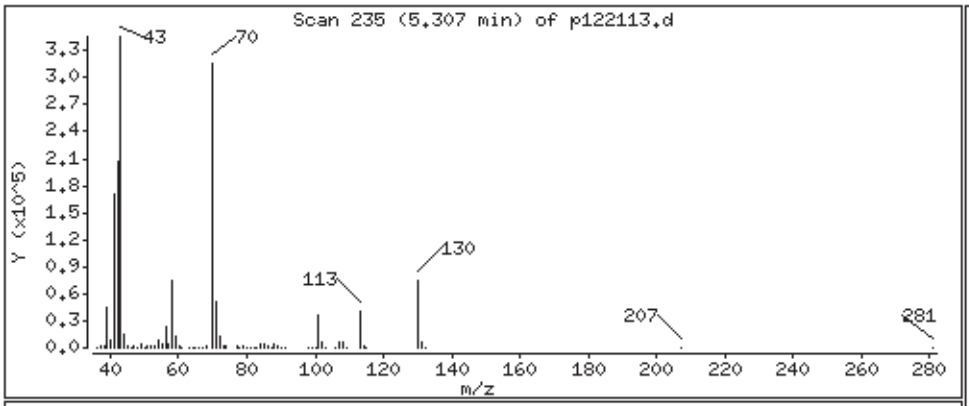
Operator: LP

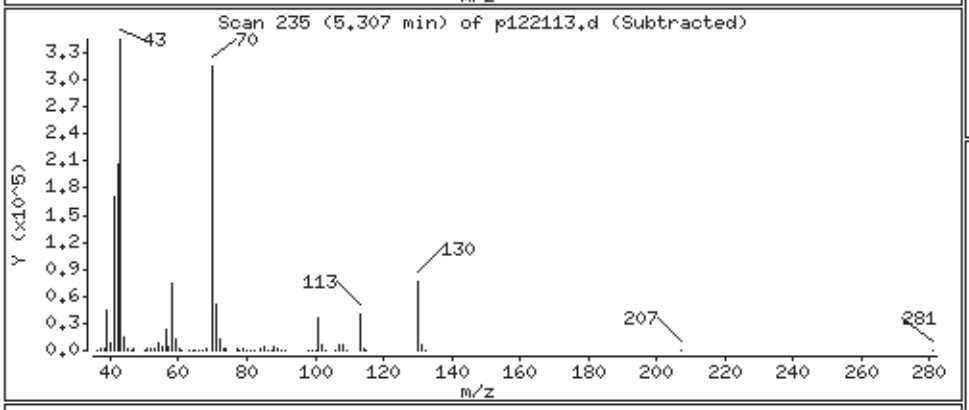
Column phase: DB-5.625

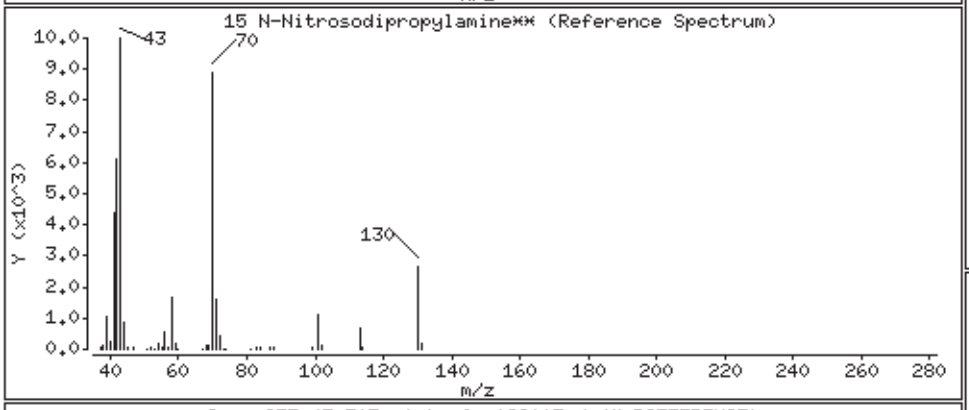
Column diameter: 0.25

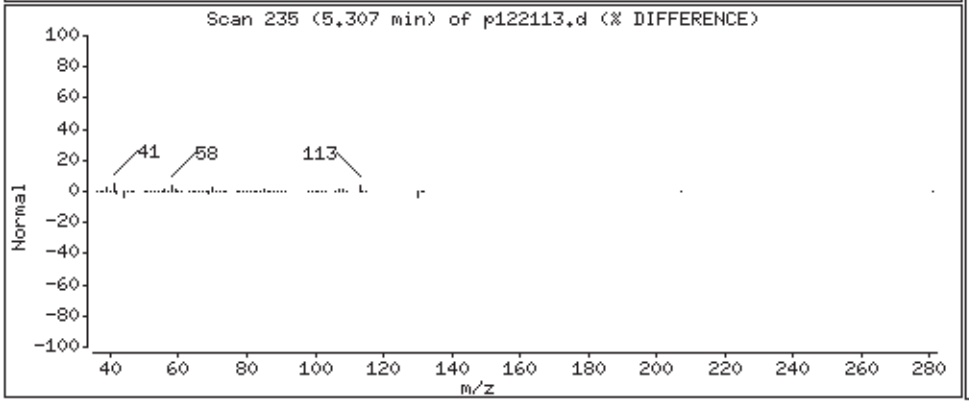
15 N-Nitrosodipropylamine**

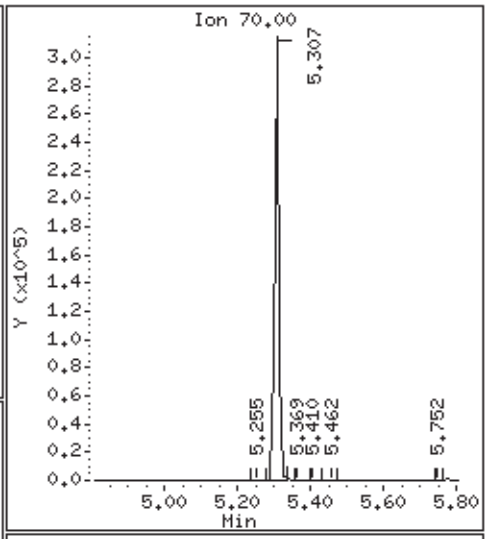
Concentration: 50.76 ug

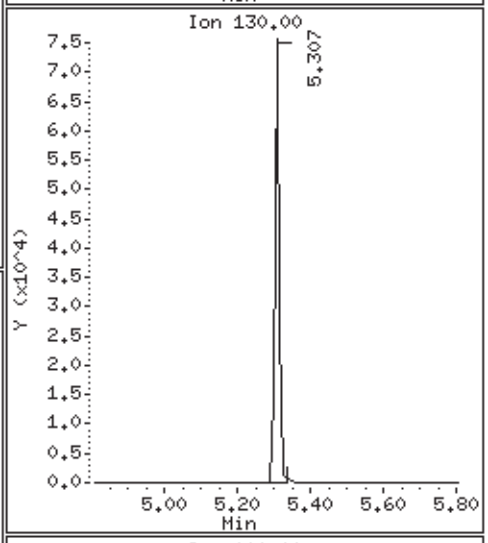


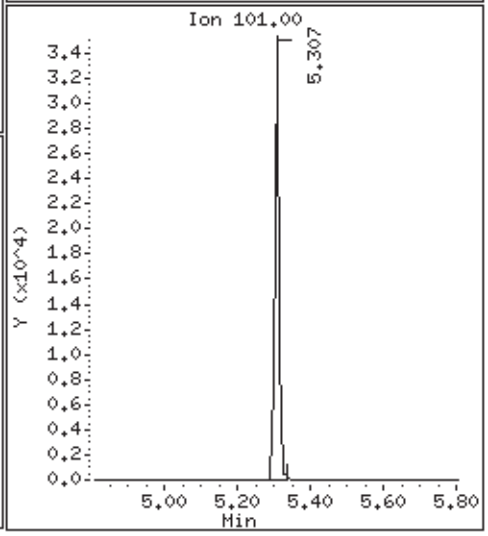












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

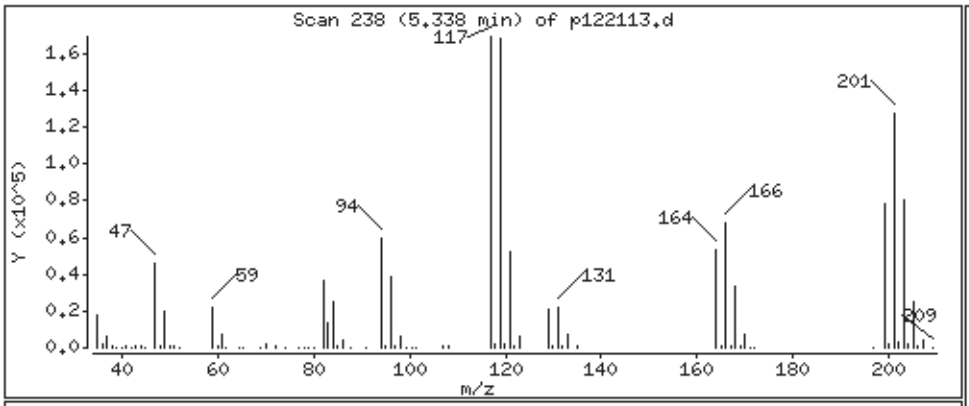
Operator: LP

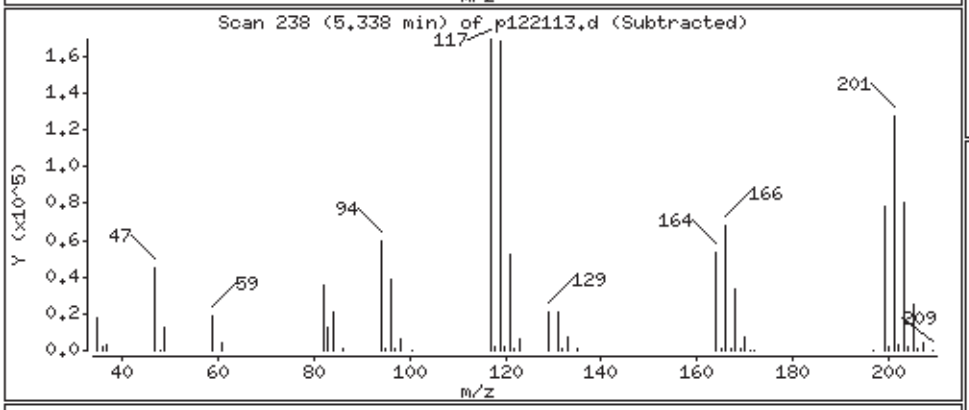
Column phase: DB-5.625

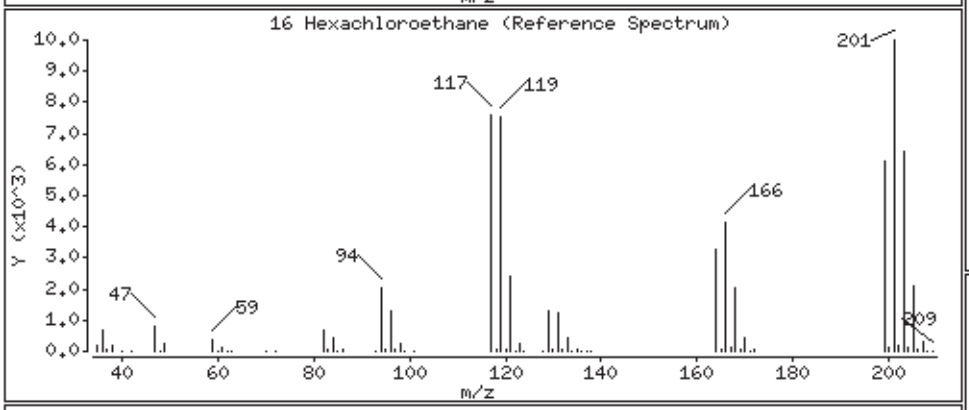
Column diameter: 0.25

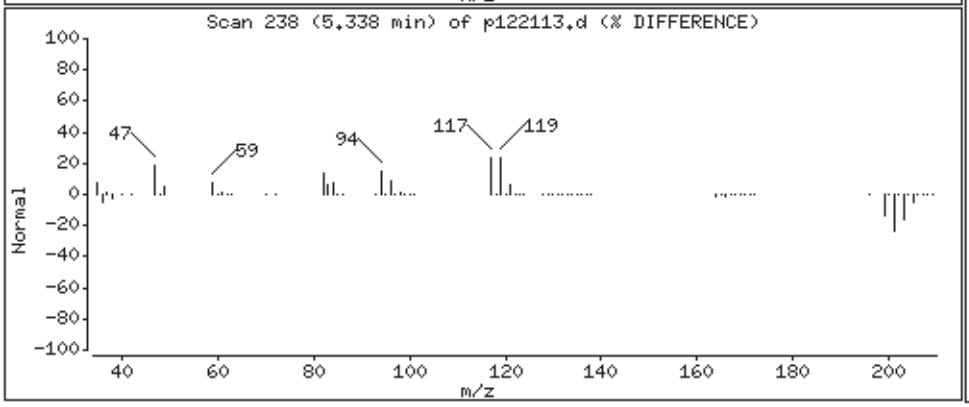
16 Hexachloroethane

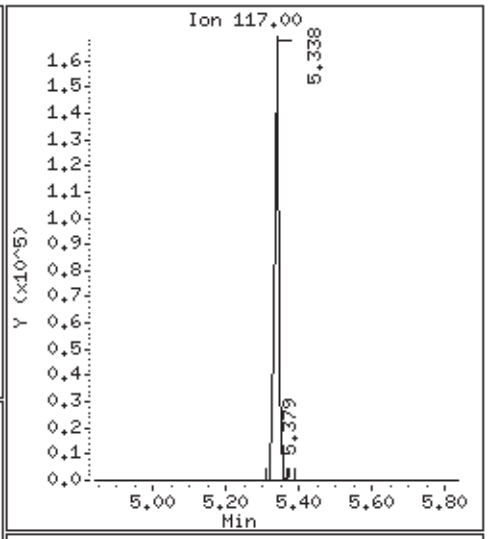
Concentration: 52.69 ug

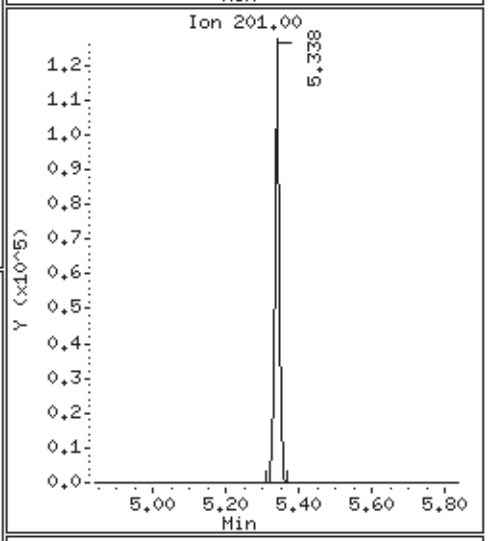


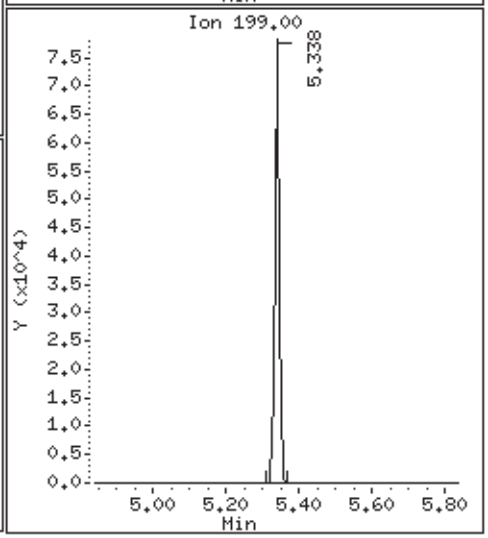












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

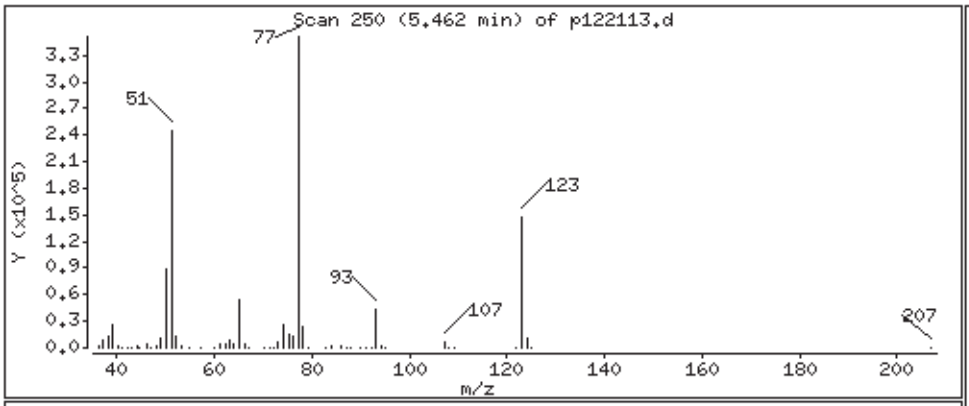
Operator: LP

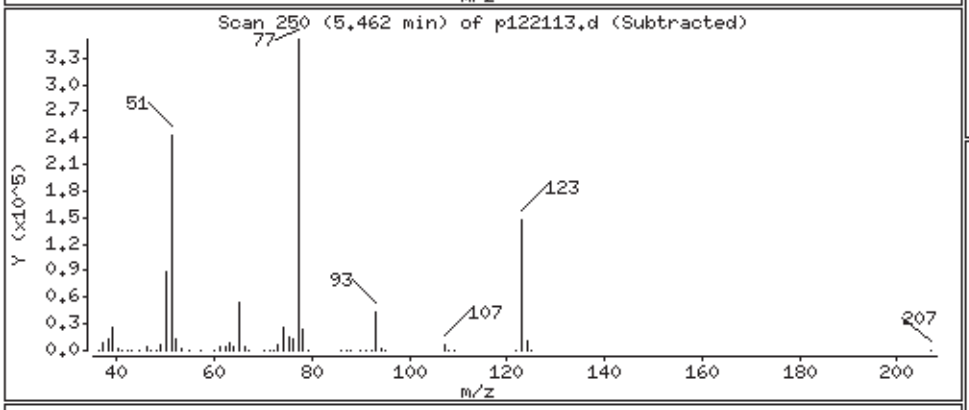
Column phase: DB-5.625

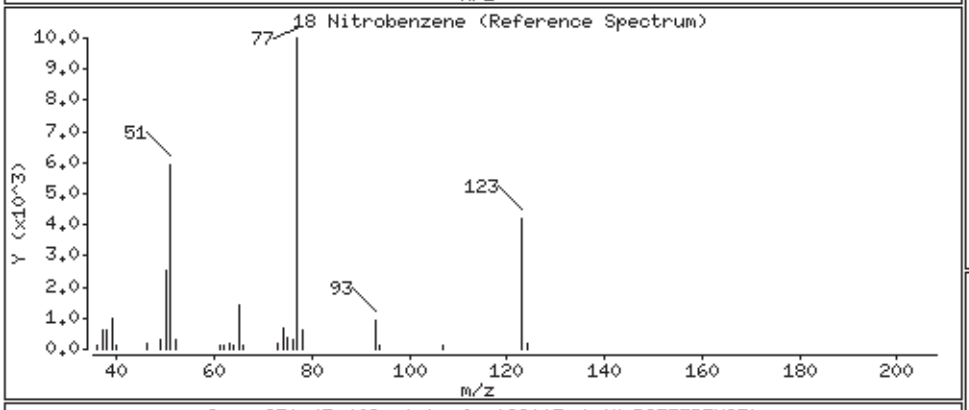
Column diameter: 0.25

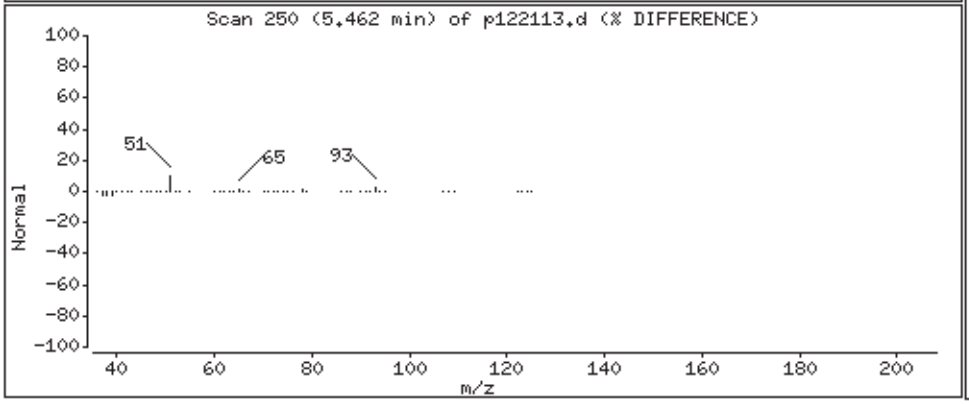
18 Nitrobenzene

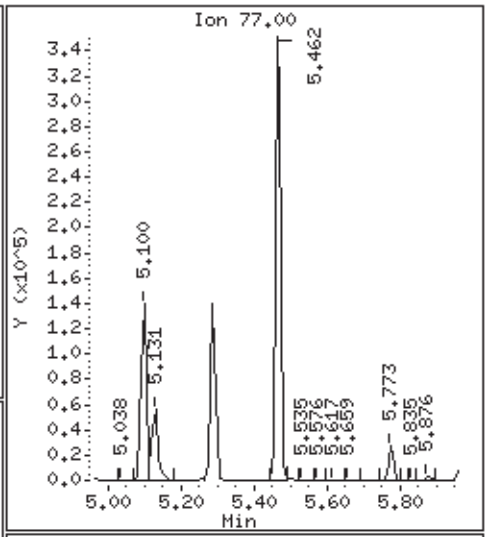
Concentration: 52.33 ug

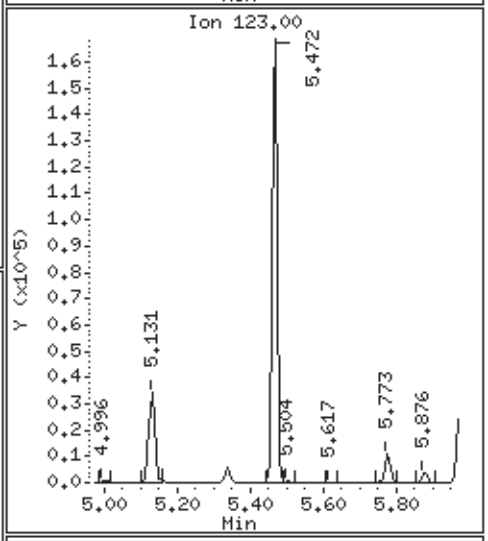


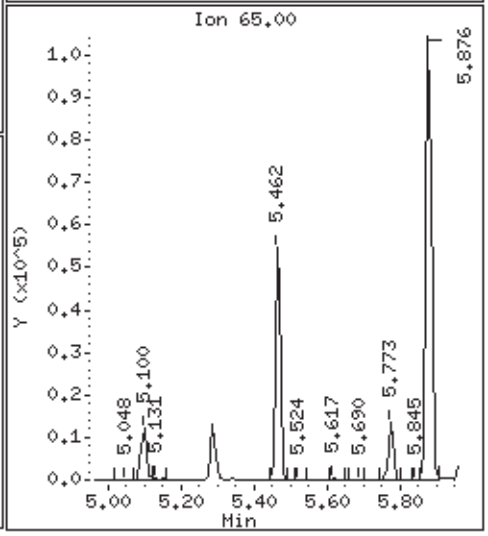












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

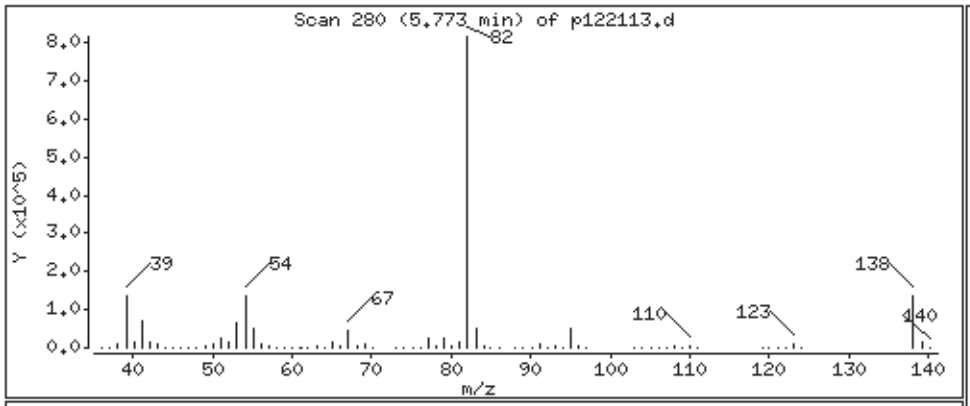
Operator: LP

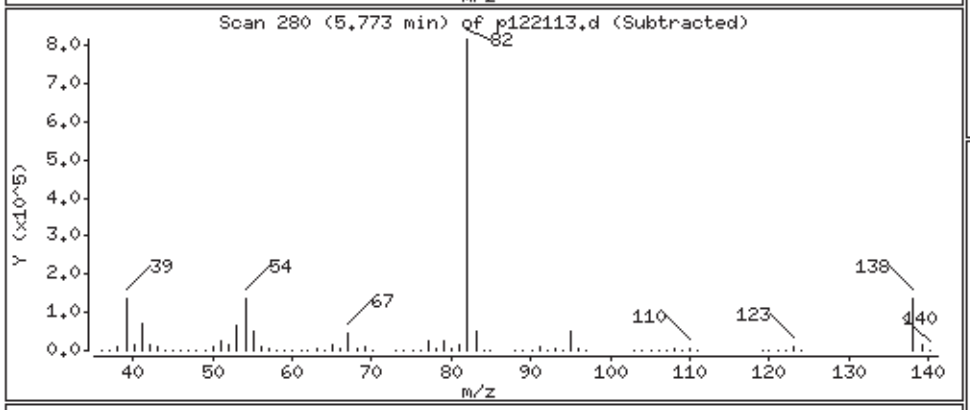
Column phase: DB-5.625

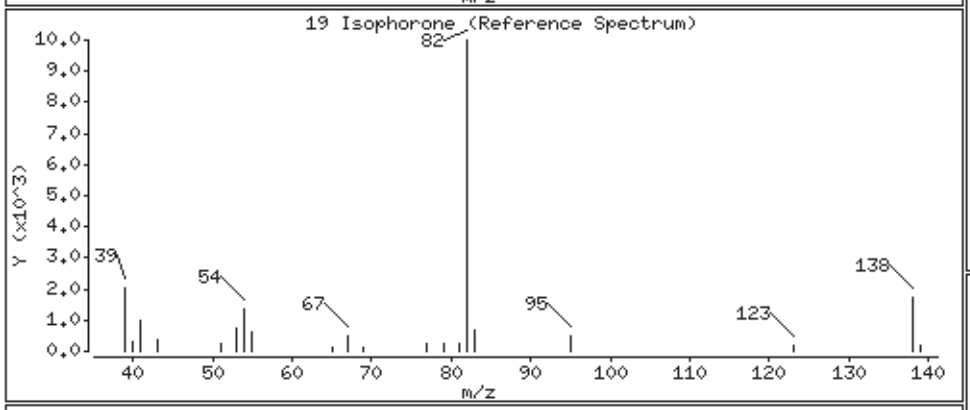
Column diameter: 0.25

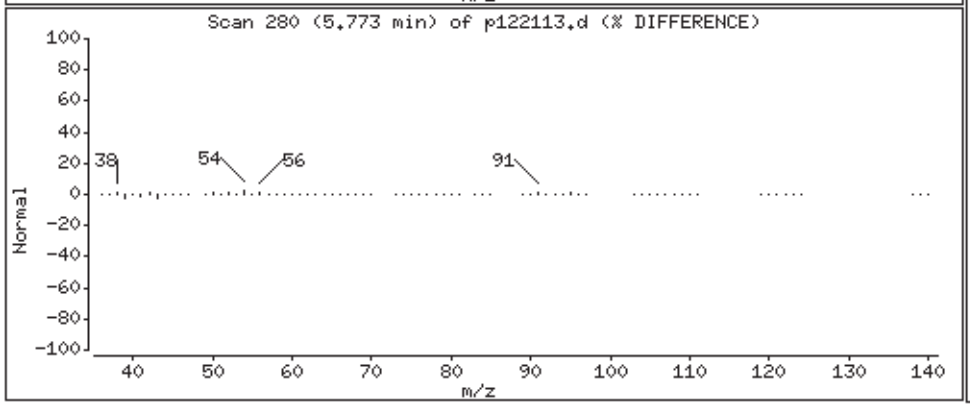
19 Isophorone

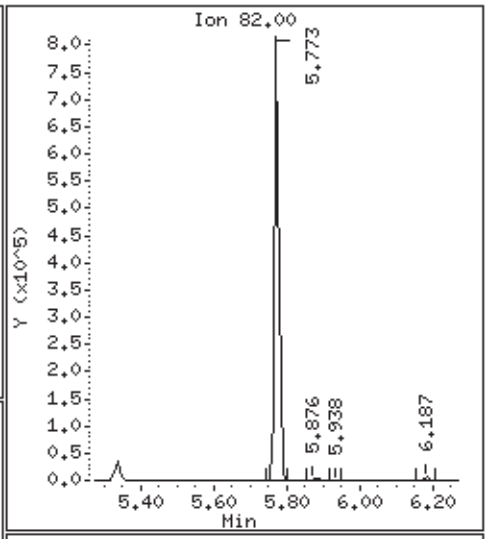
Concentration: 58.33 ug

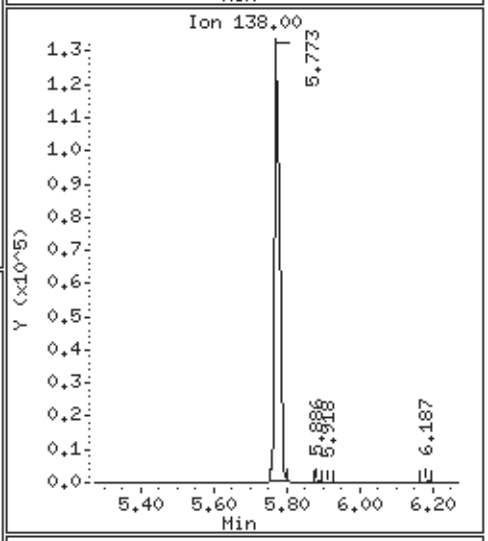


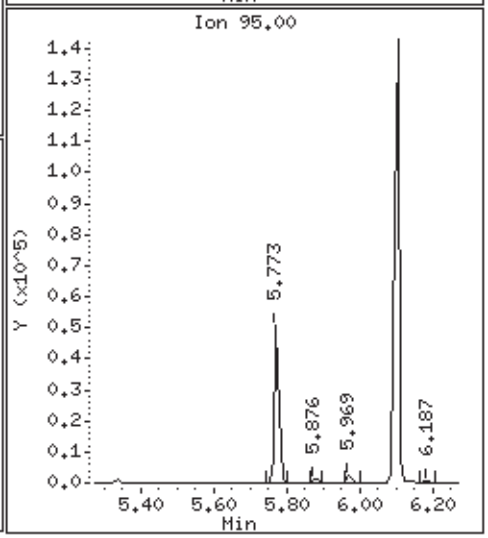












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

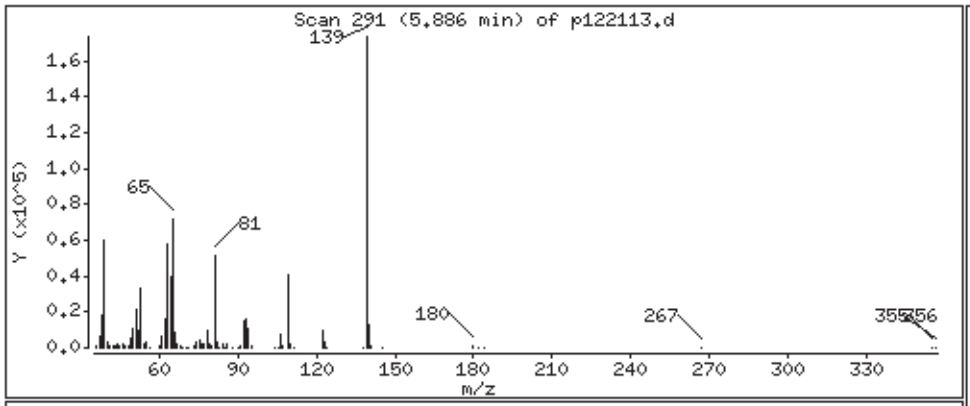
Operator: LP

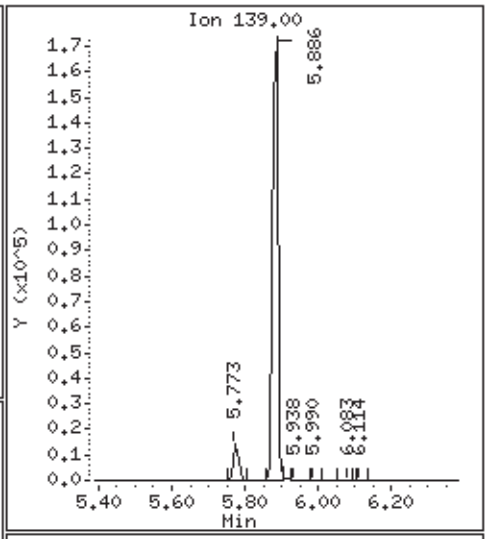
Column phase: DB-5.625

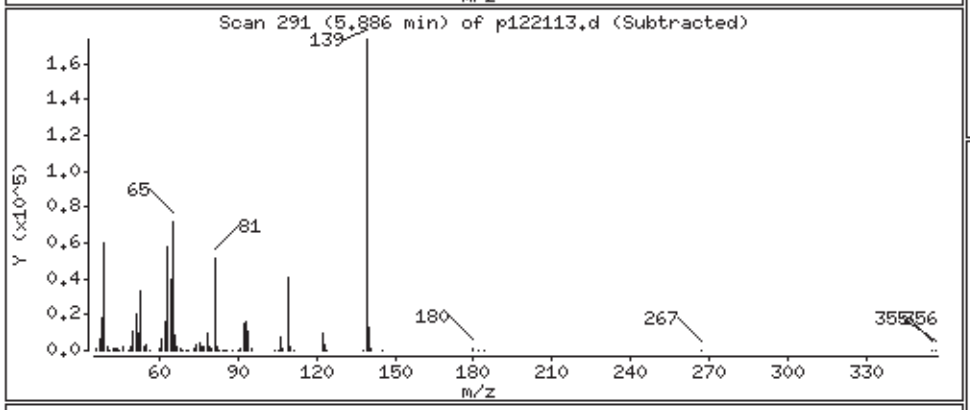
Column diameter: 0.25

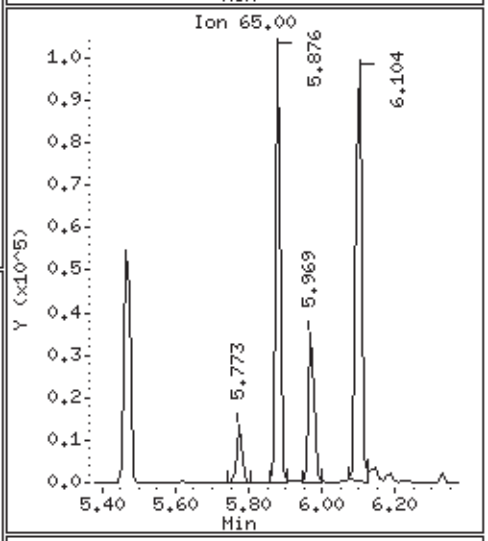
20 2-Nitrophenol*

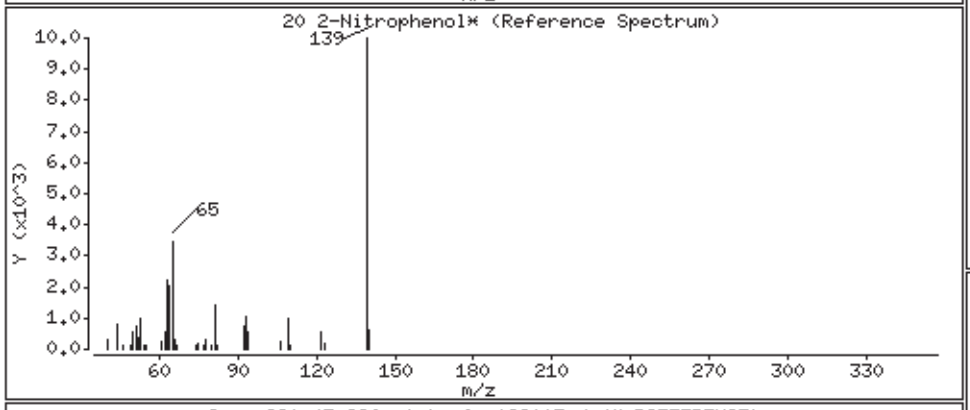
Concentration: 55.14 ug

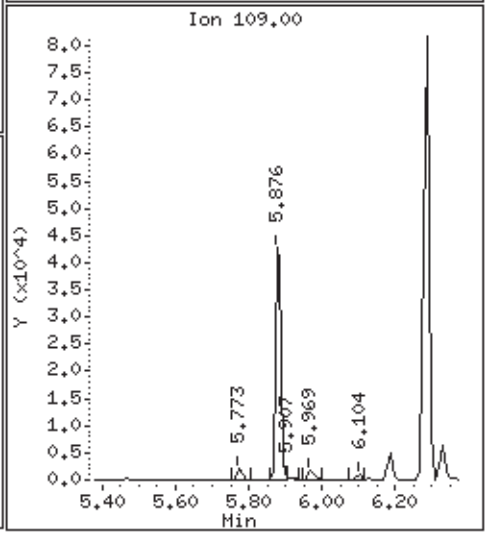


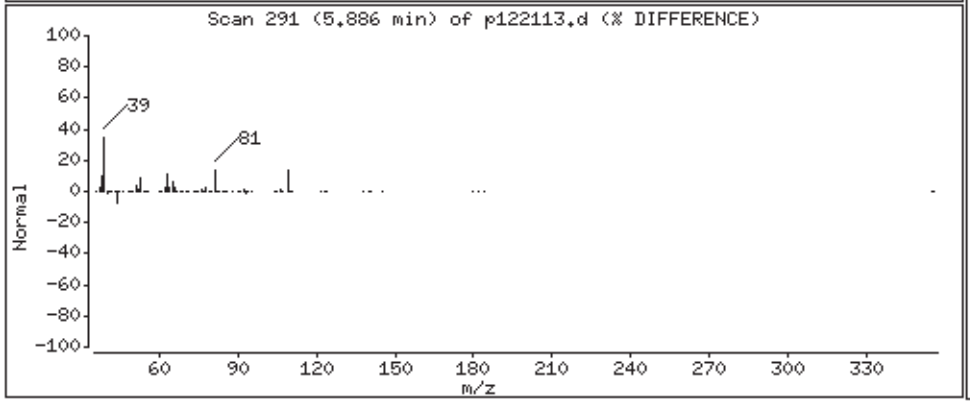












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

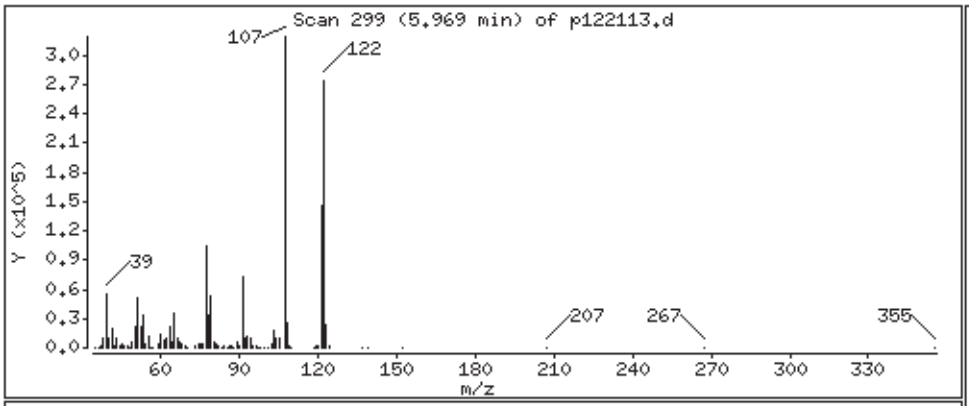
Operator: LP

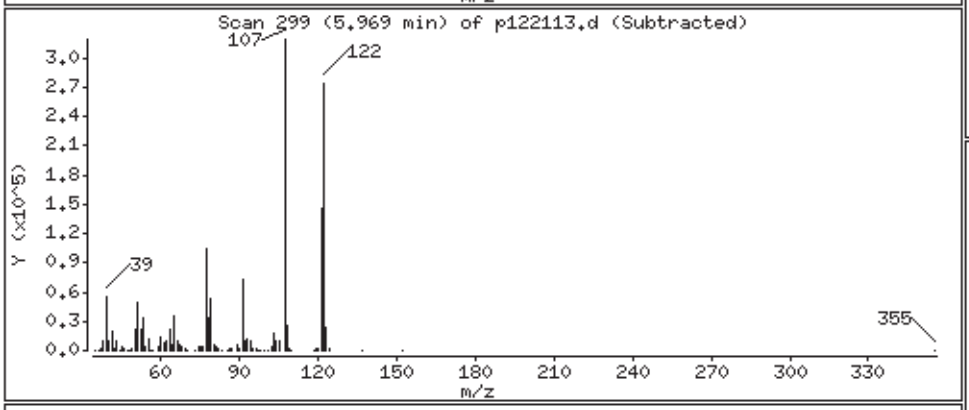
Column phase: DB-5.625

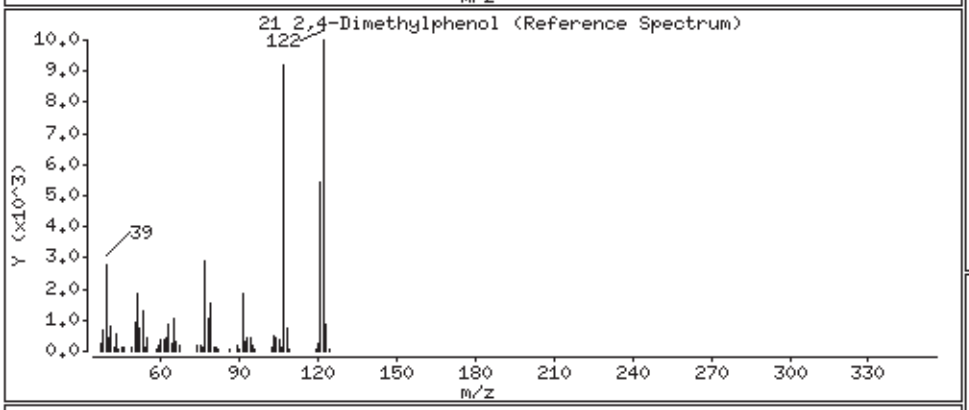
Column diameter: 0.25

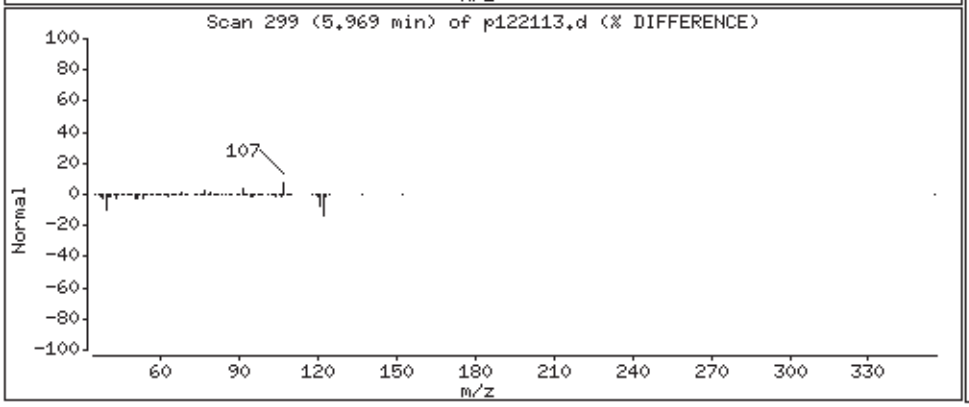
21 2,4-Dimethylphenol

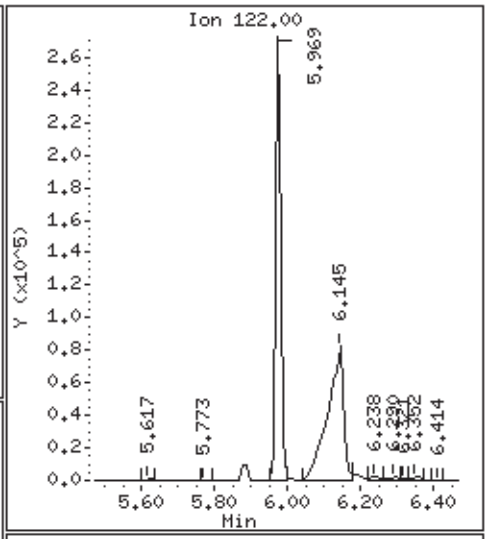
Concentration: 50.74 ug

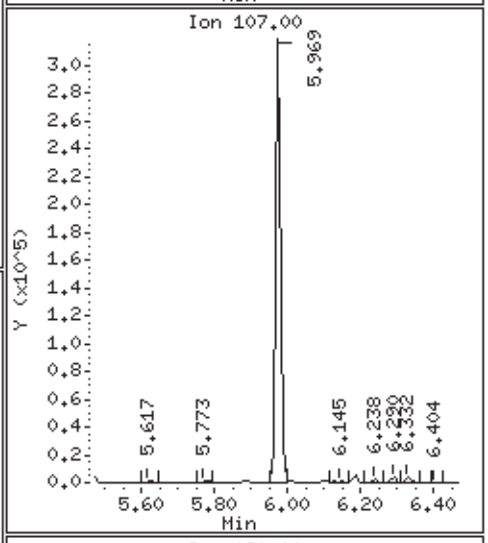


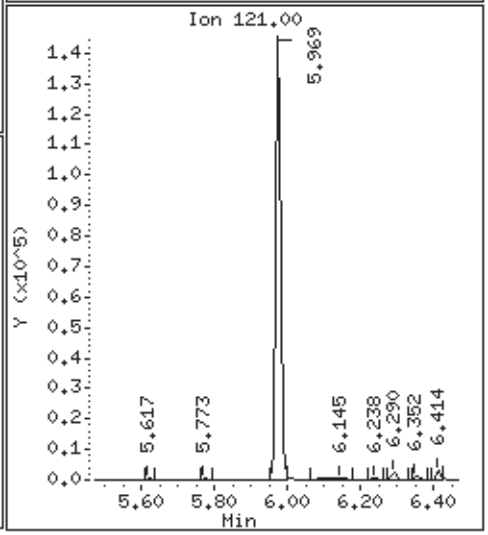












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

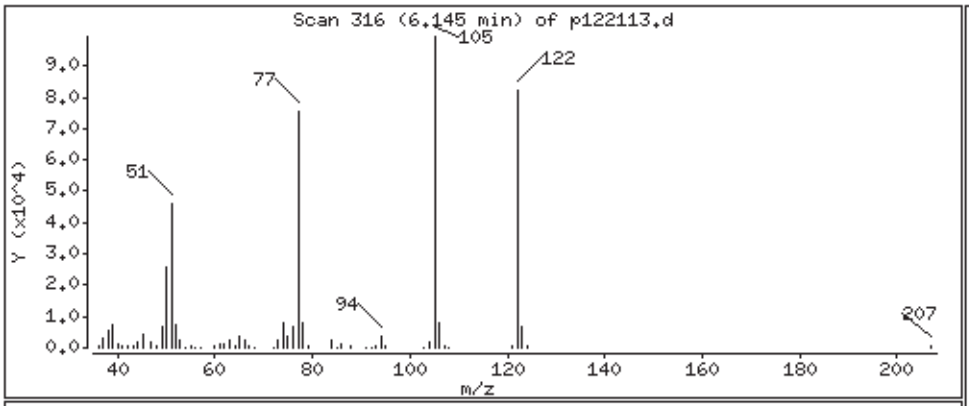
Operator: LP

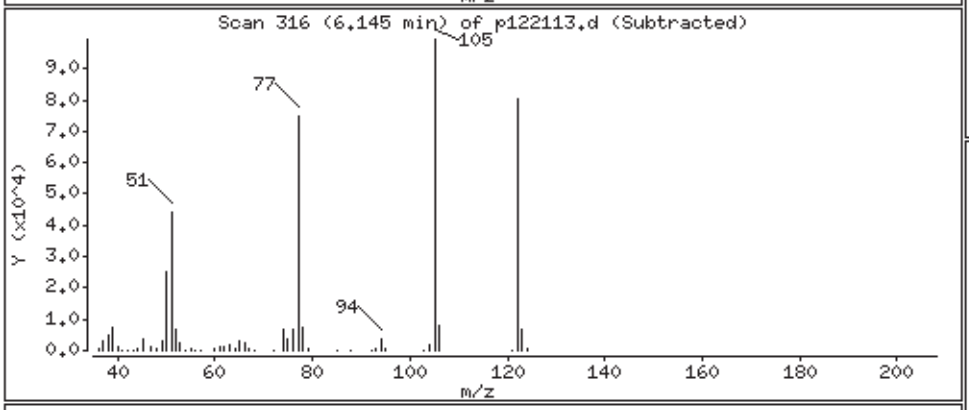
Column phase: DB-5.625

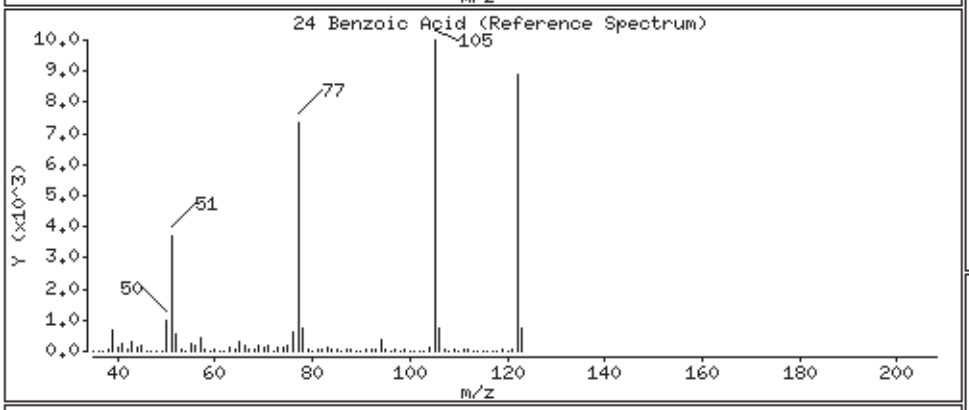
Column diameter: 0.25

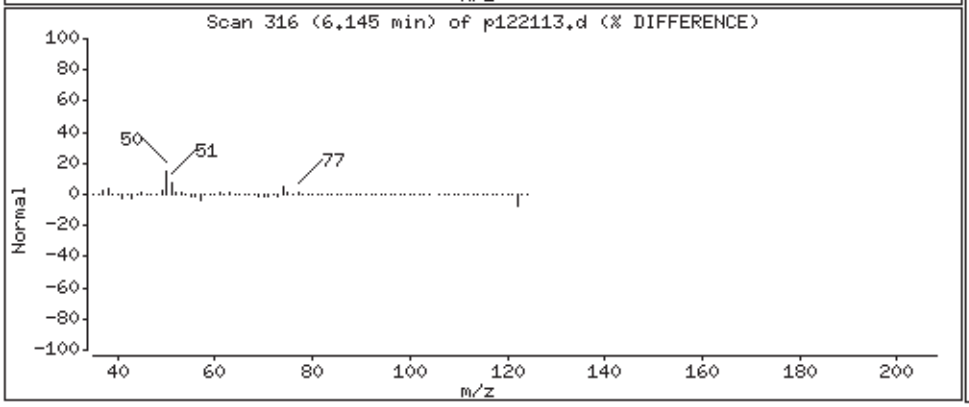
24 Benzoic Acid

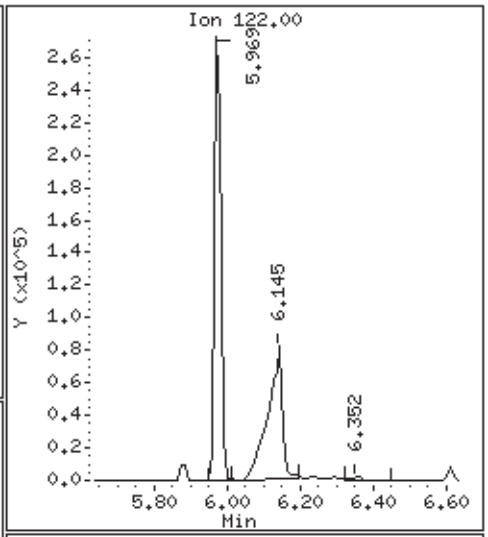
Concentration: 56.47 ug

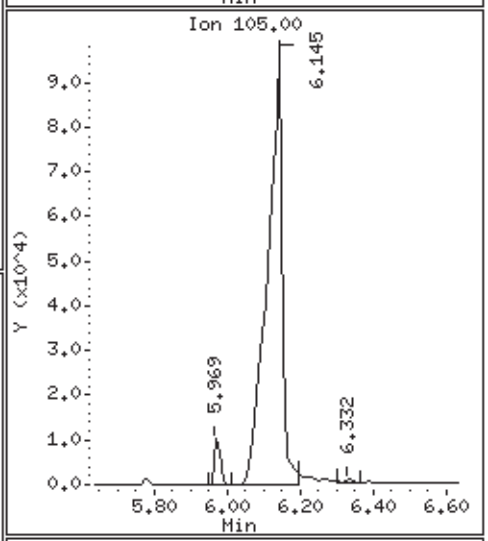


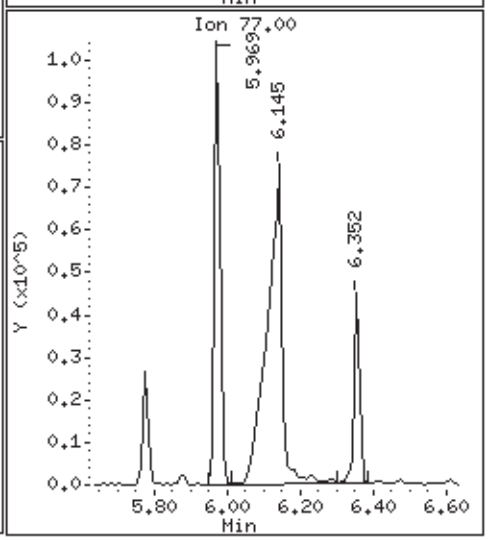












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

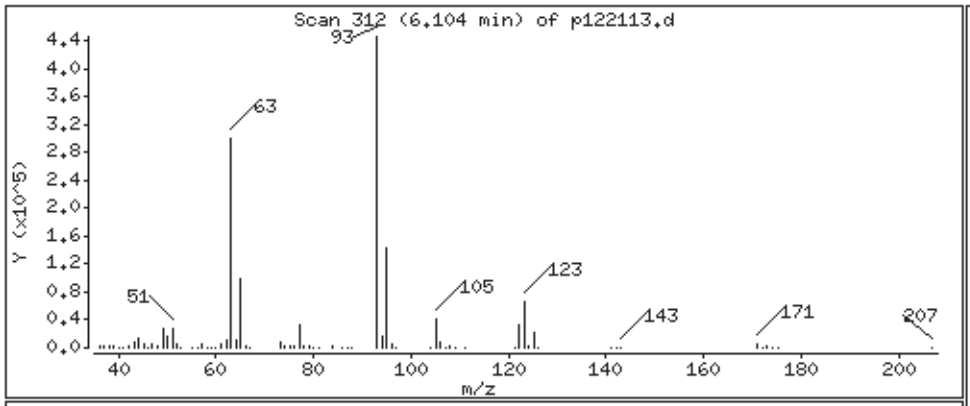
Operator: LP

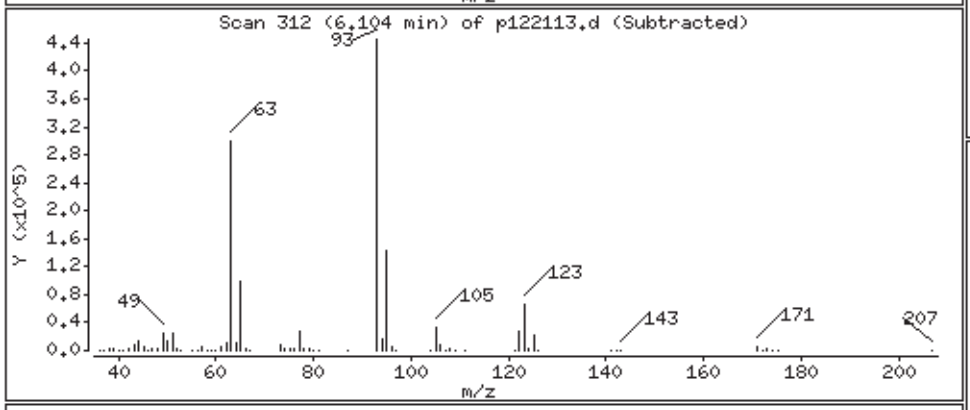
Column phase: DB-5.625

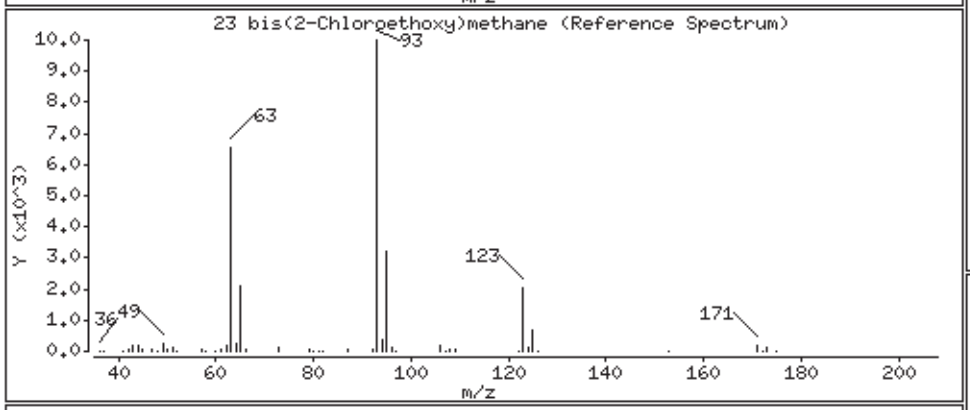
Column diameter: 0.25

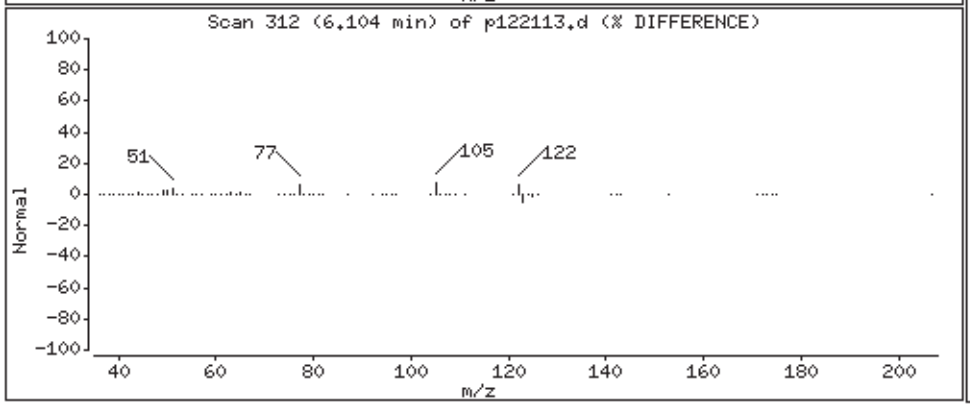
23 bis(2-Chloroethoxy)methane

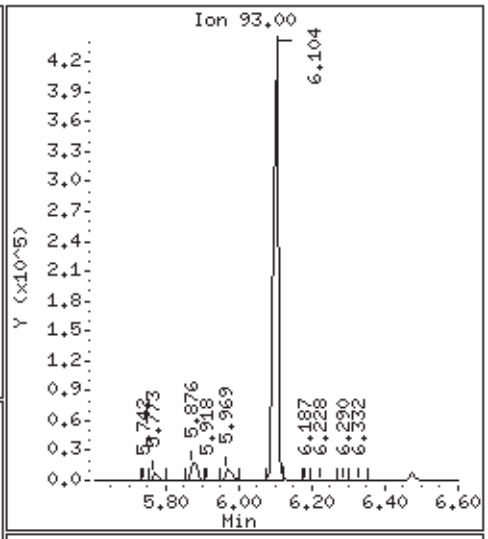
Concentration: 50.13 ug

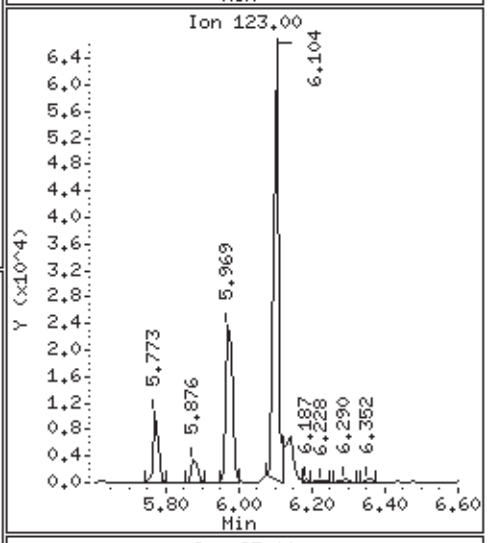


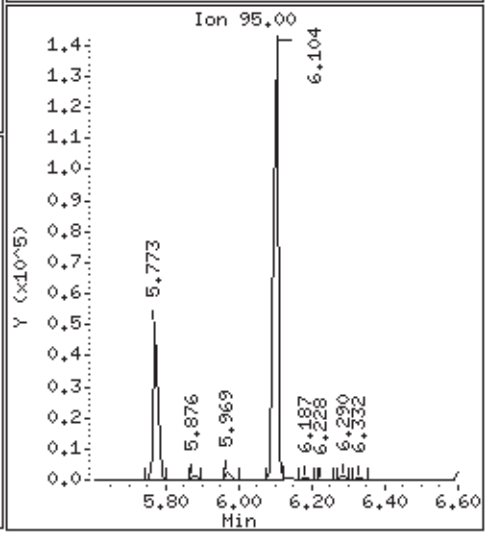












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

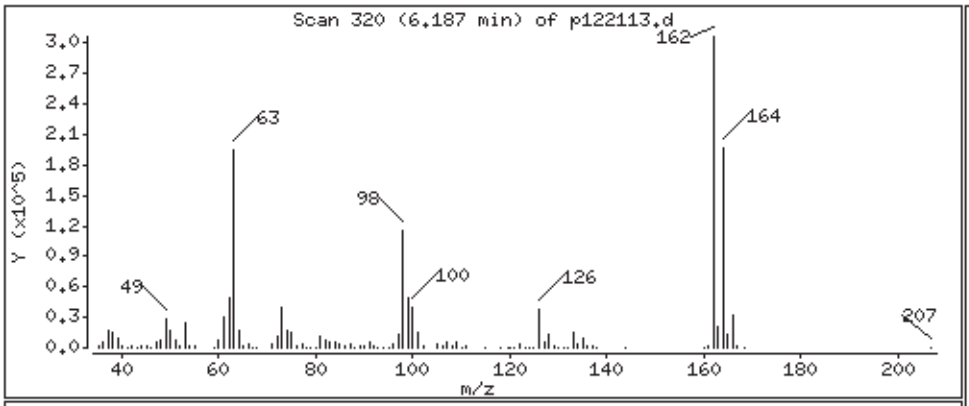
Operator: LP

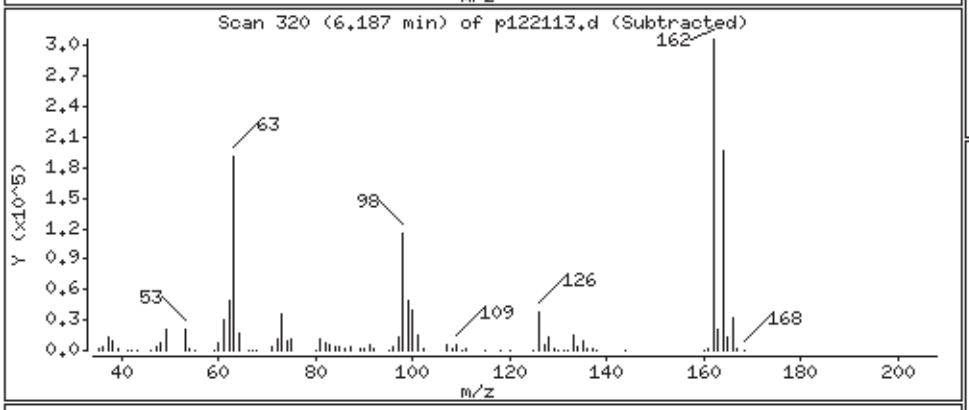
Column phase: DB-5.625

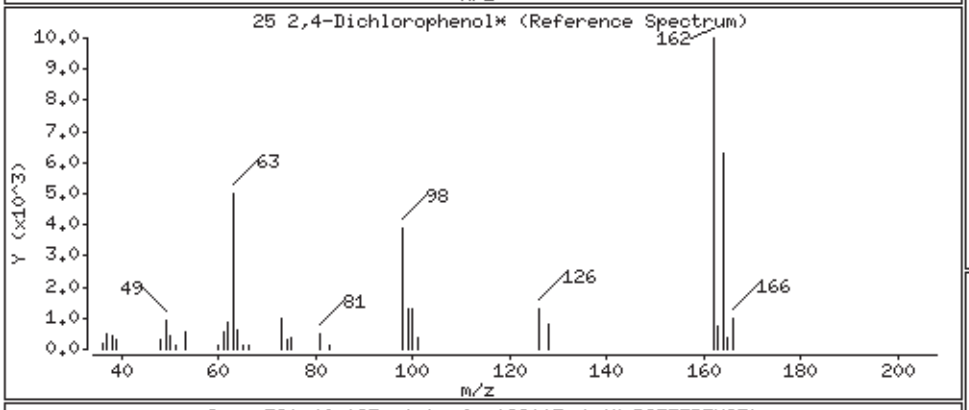
Column diameter: 0.25

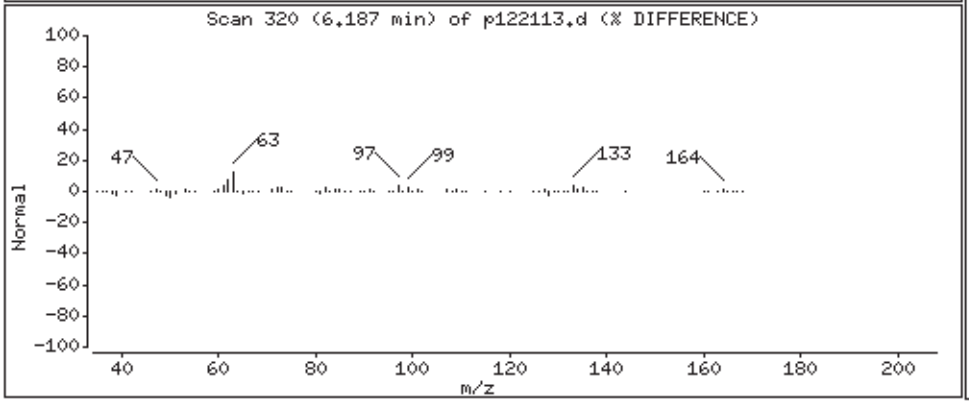
25 2,4-Dichlorophenol*

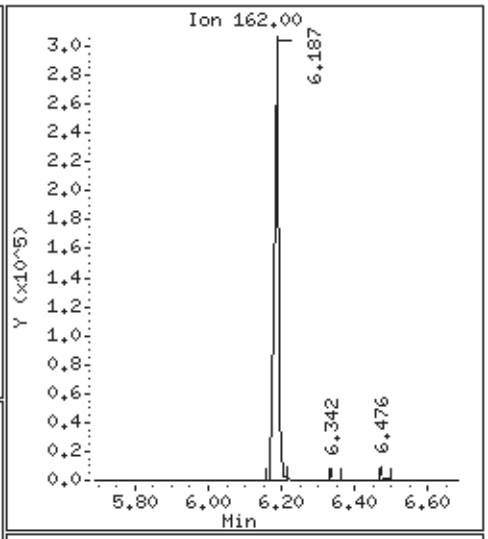
Concentration: 54.45 ug

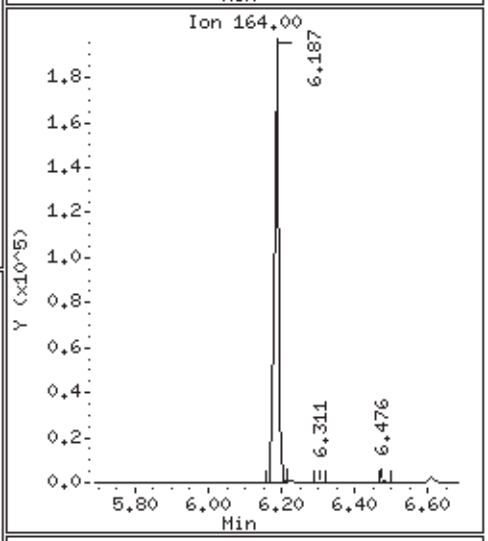


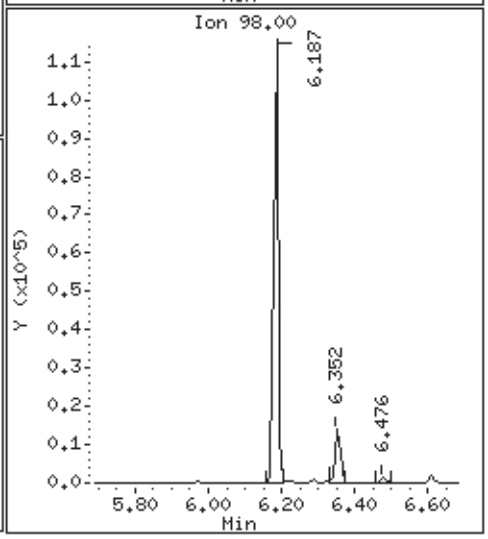












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

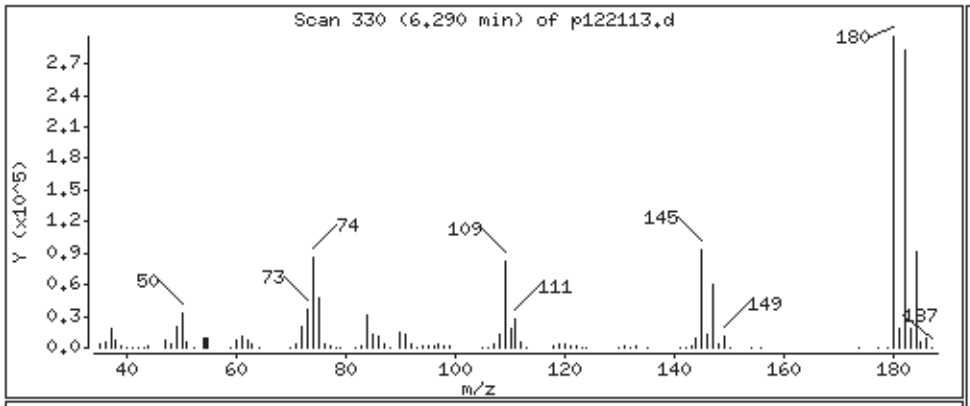
Operator: LP

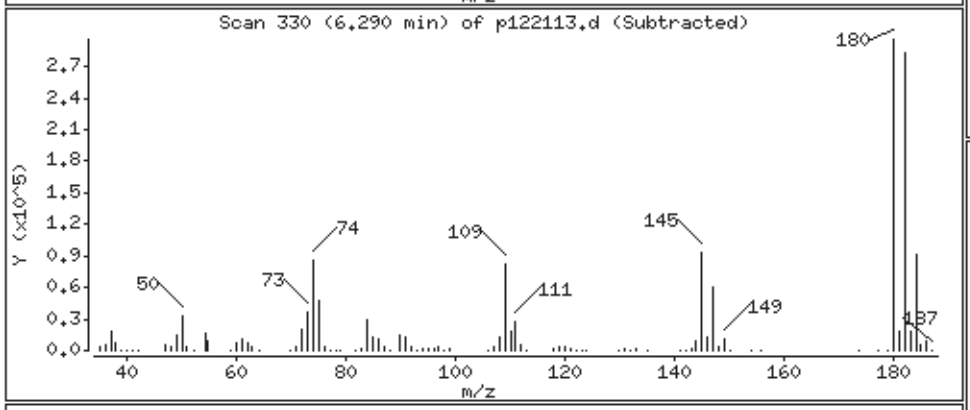
Column phase: DB-5.625

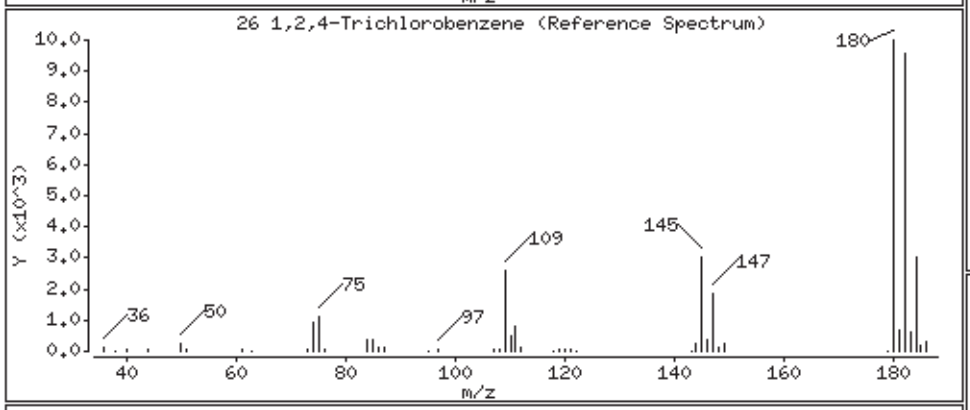
Column diameter: 0.25

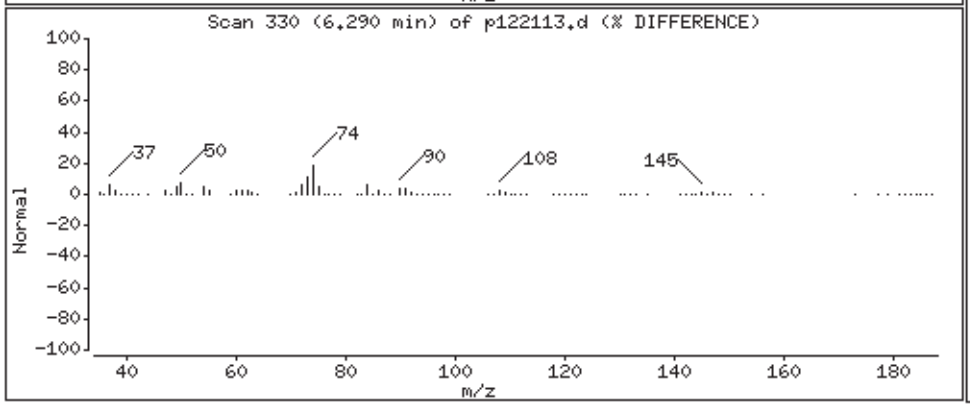
26 1,2,4-Trichlorobenzene

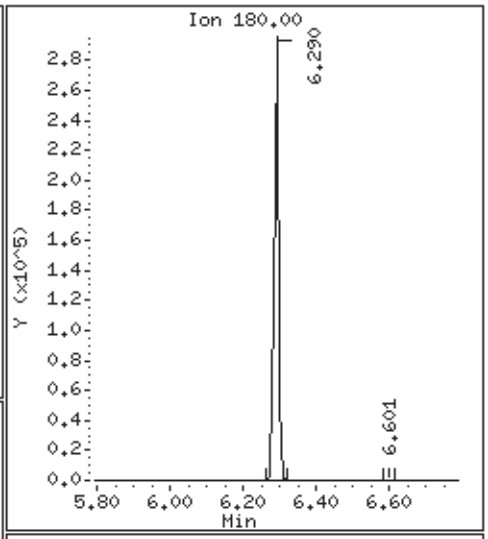
Concentration: 52.16 ug

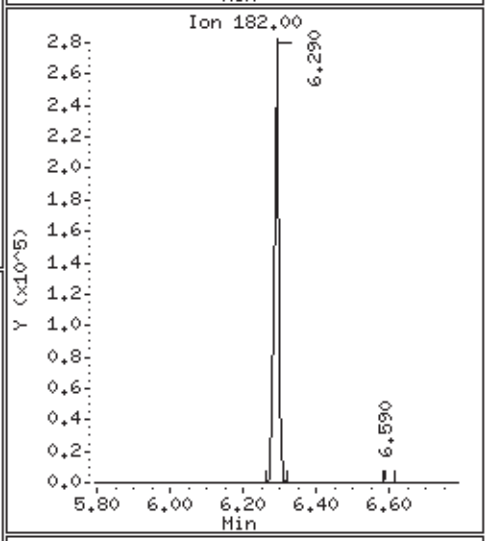


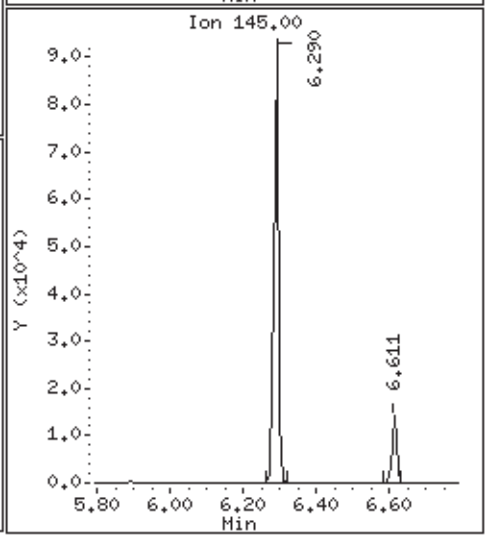












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

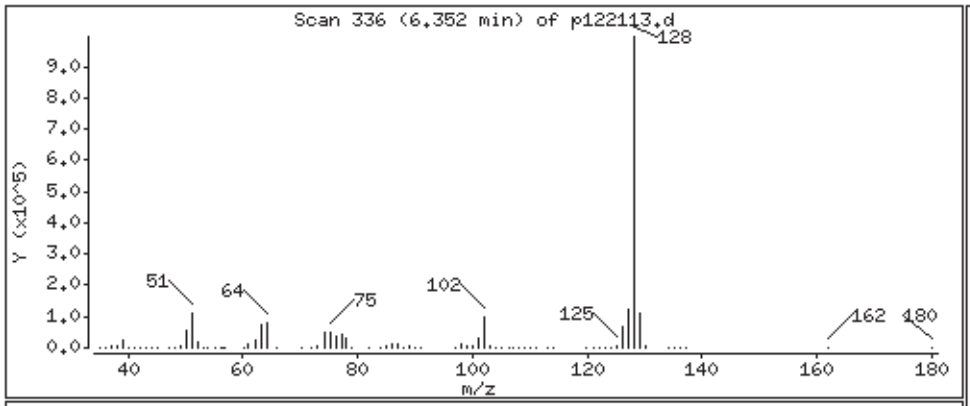
Operator: LP

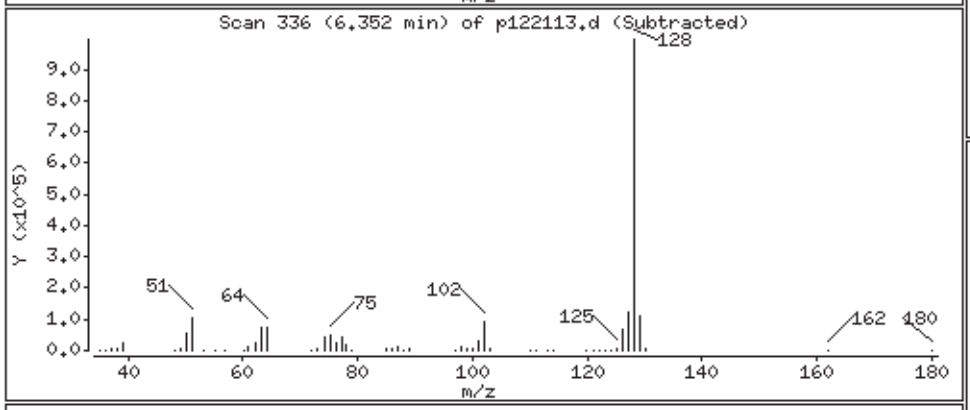
Column phase: DB-5.625

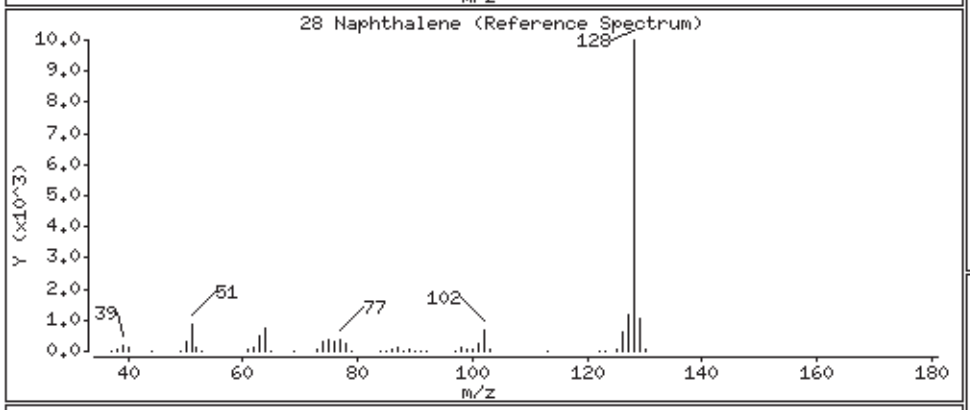
Column diameter: 0.25

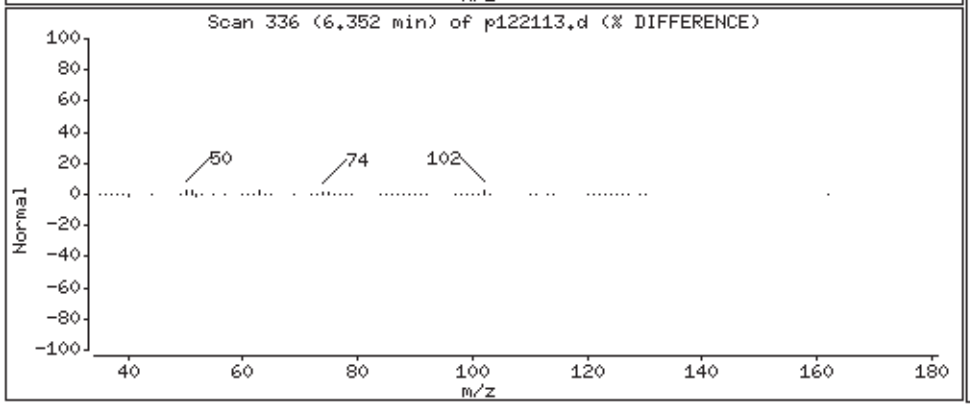
28 Naphthalene

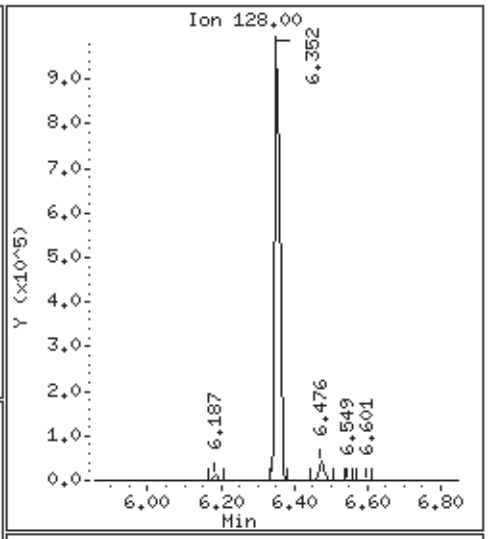
Concentration: 52.02 ug

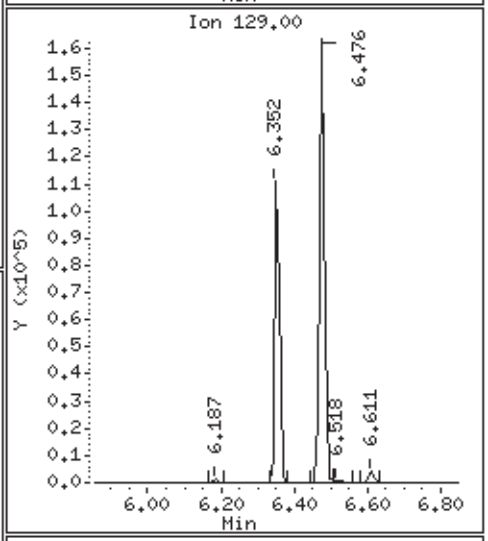


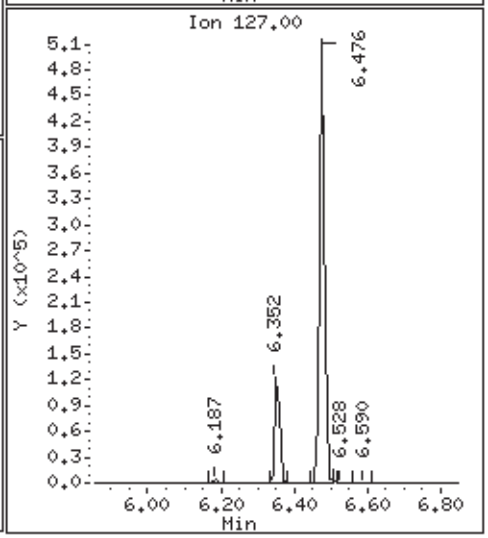












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

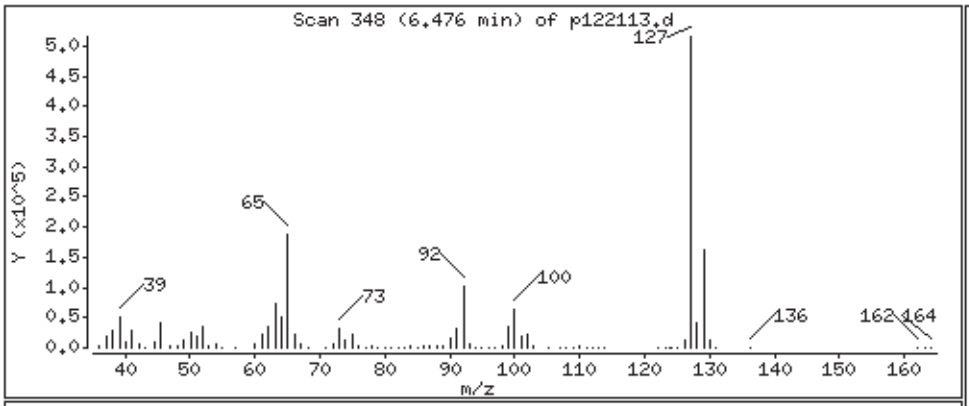
Operator: LP

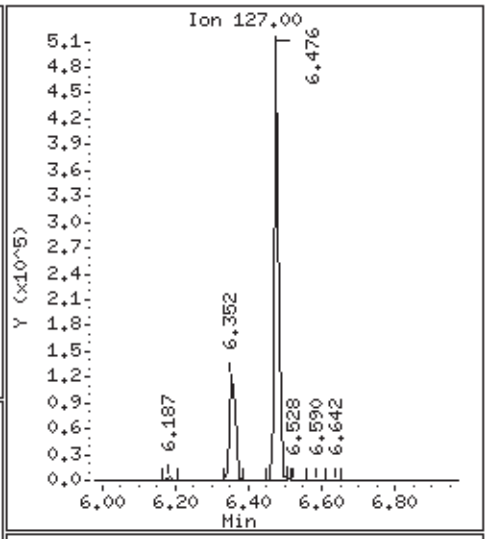
Column phase: DB-5.625

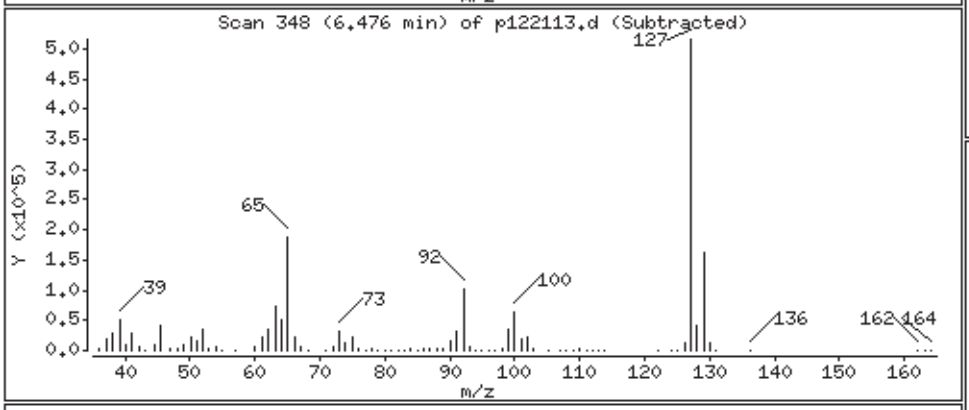
Column diameter: 0.25

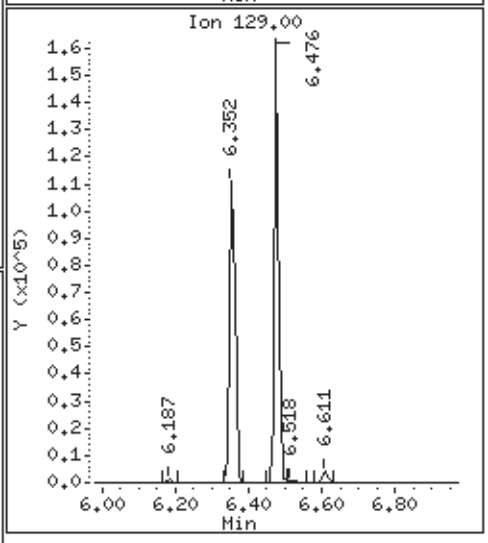
29 4-Chloroaniline

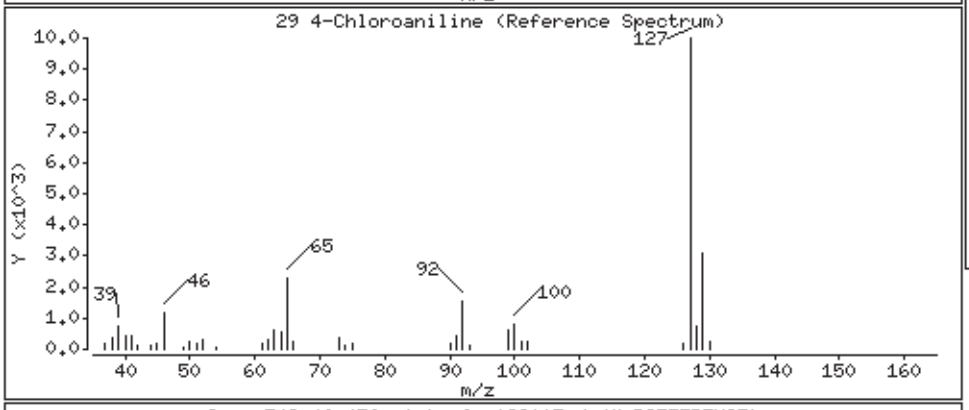
Concentration: 53.44 ug

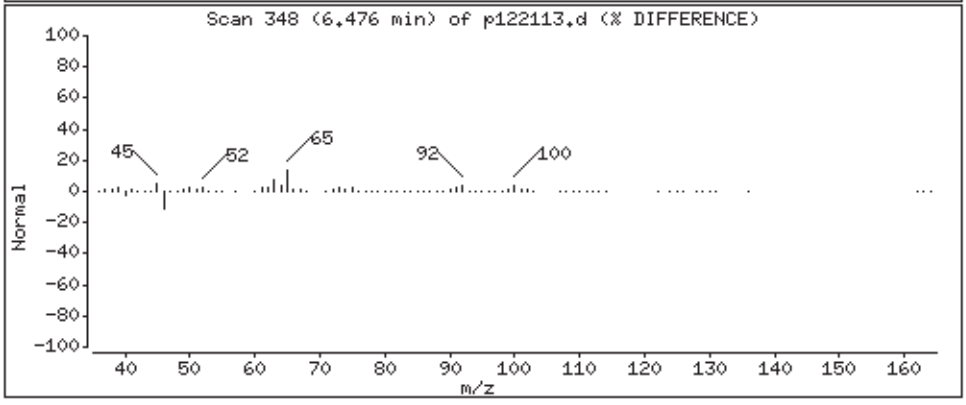












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

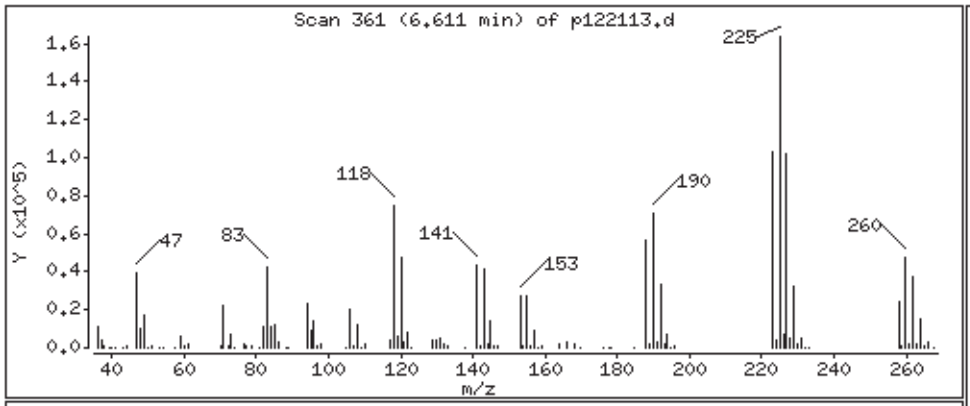
Operator: LP

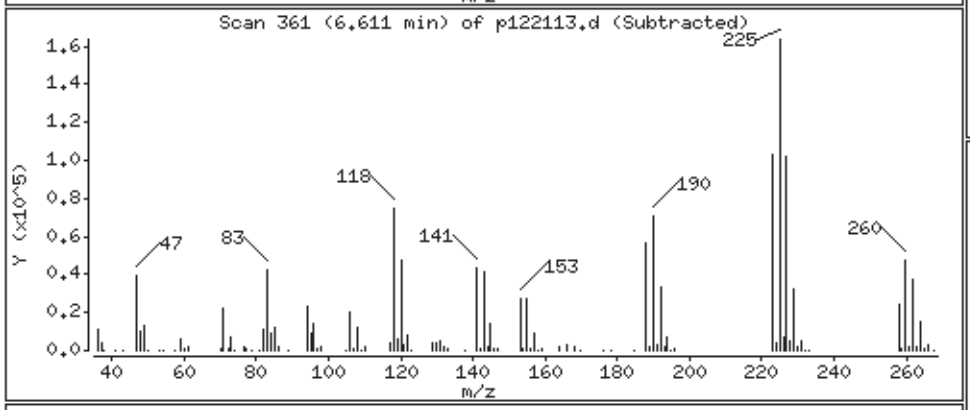
Column phase: DB-5.625

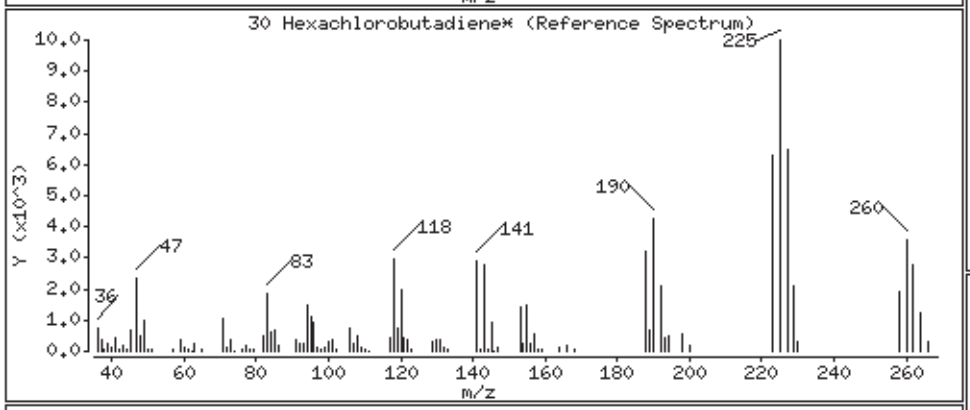
Column diameter: 0.25

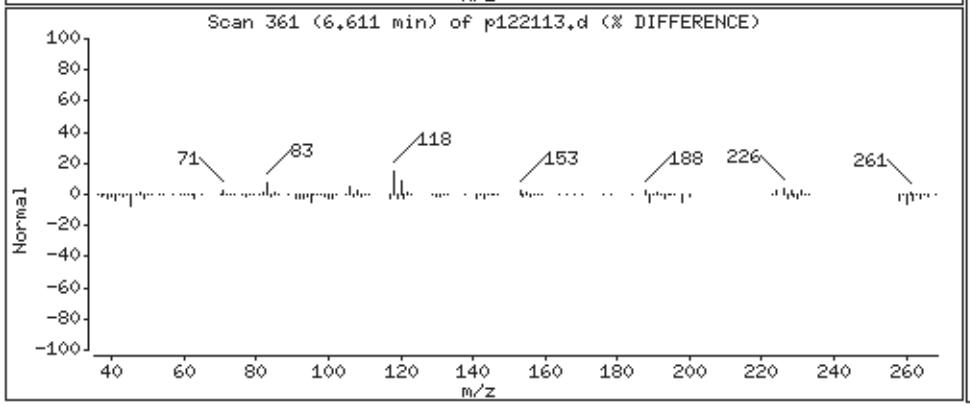
30 Hexachlorobutadiene*

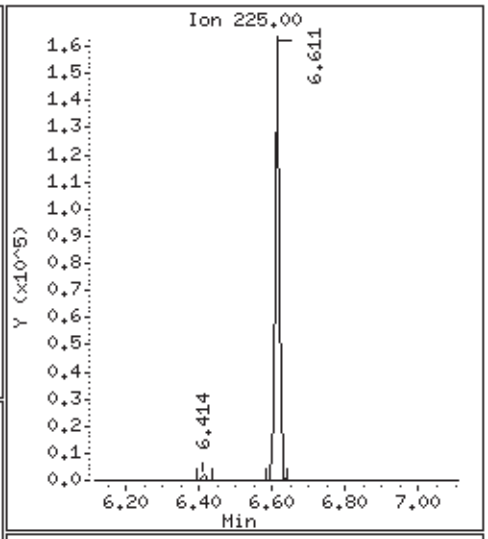
Concentration: 52.14 ug

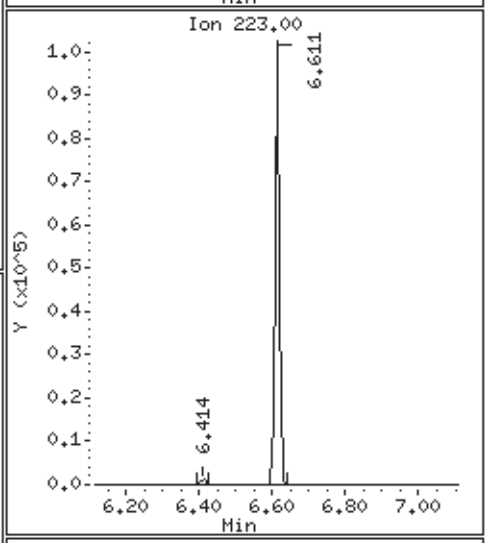


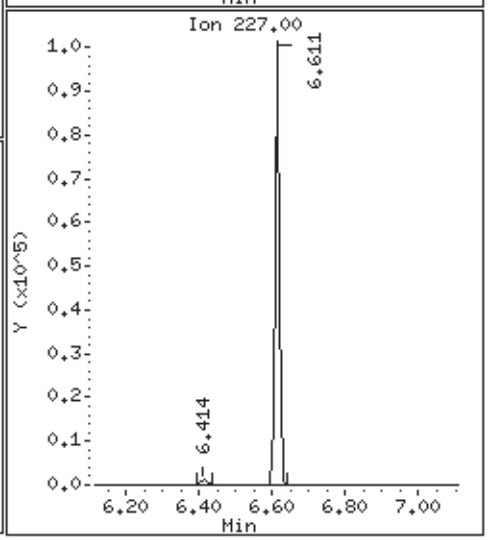












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

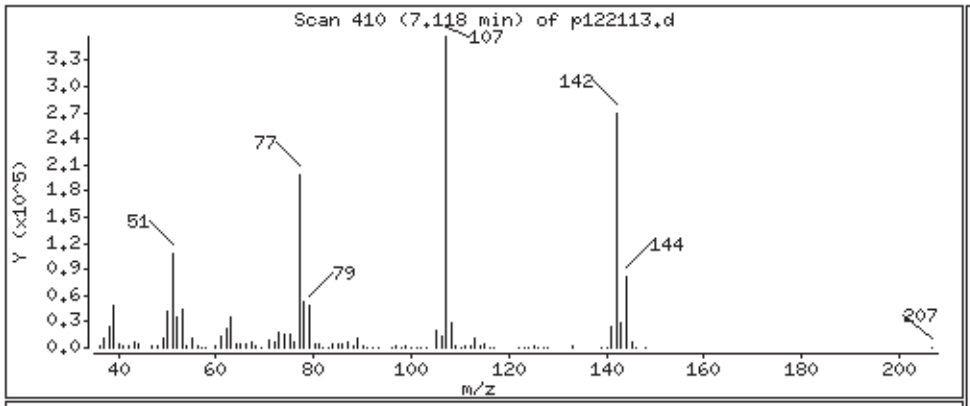
Operator: LP

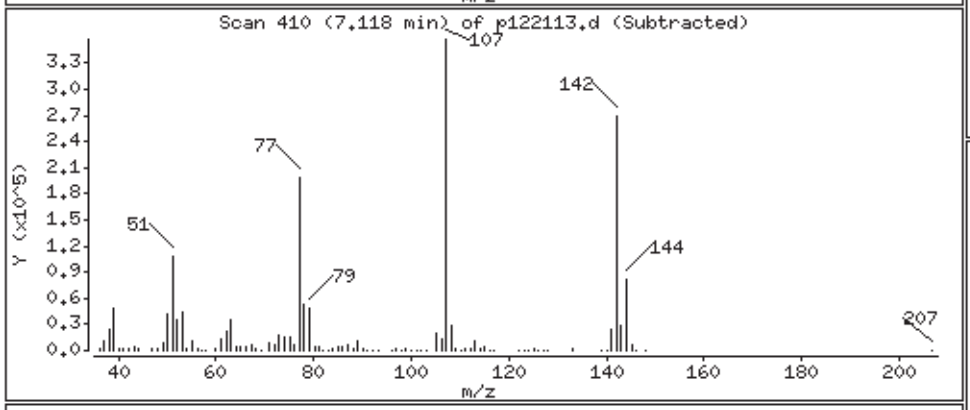
Column phase: DB-5.625

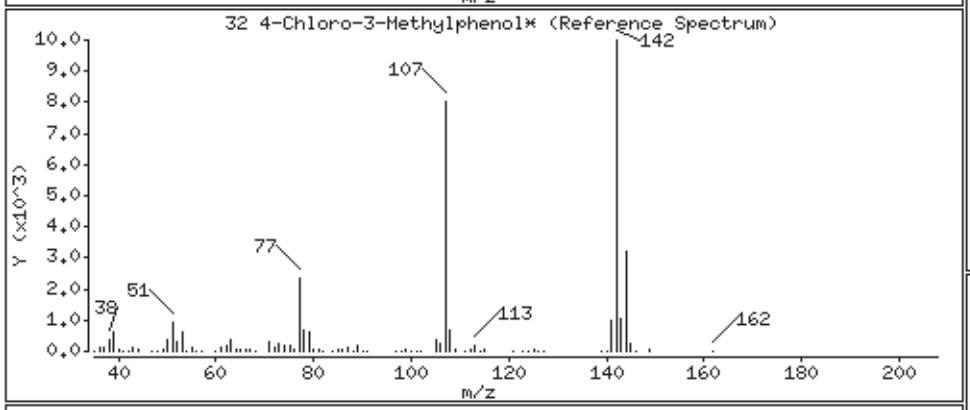
Column diameter: 0.25

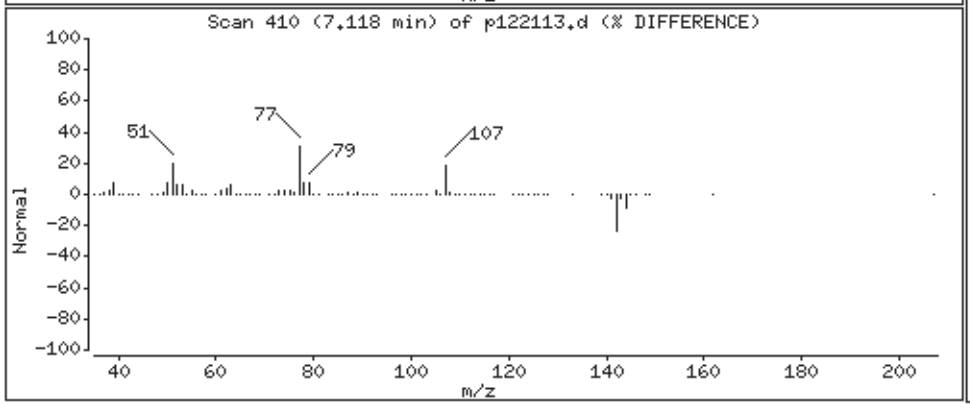
32 4-Chloro-3-Methylphenol*

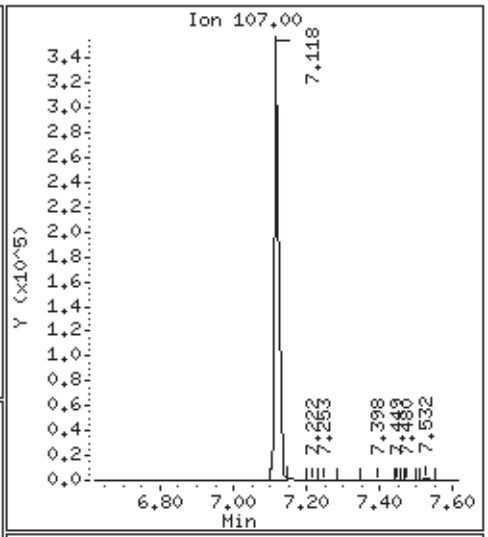
Concentration: 51.99 ug

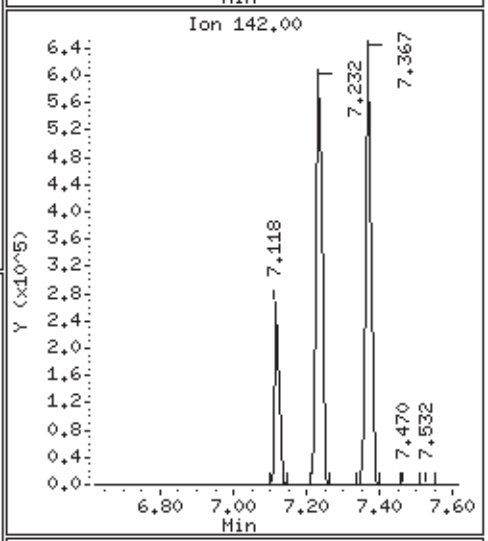


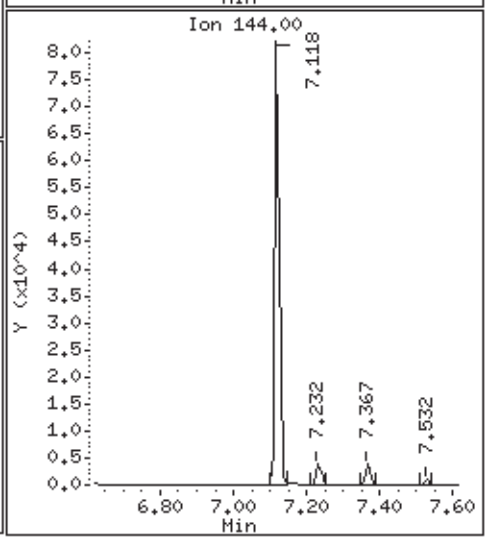












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

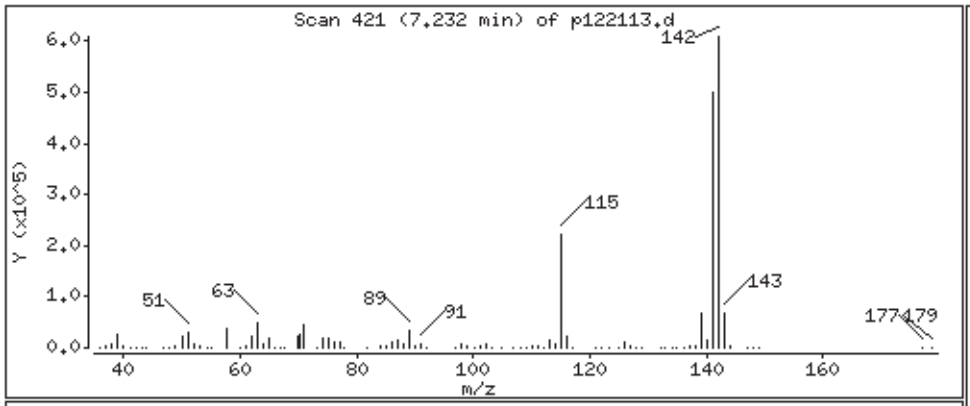
Operator: LP

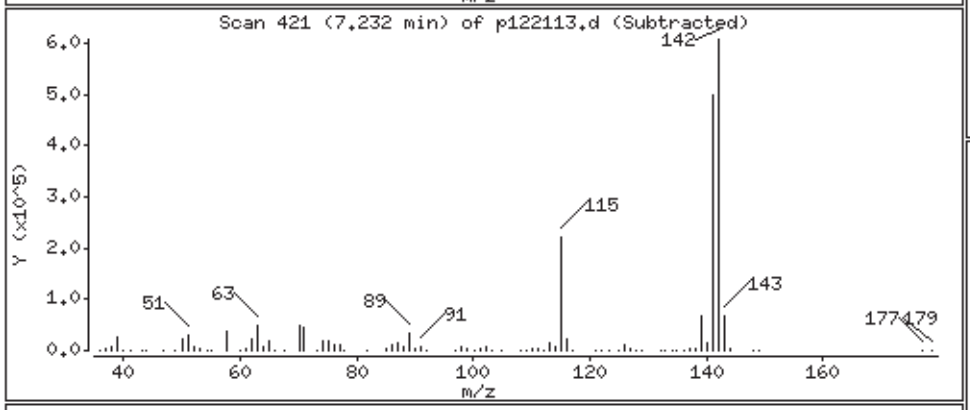
Column phase: DB-5.625

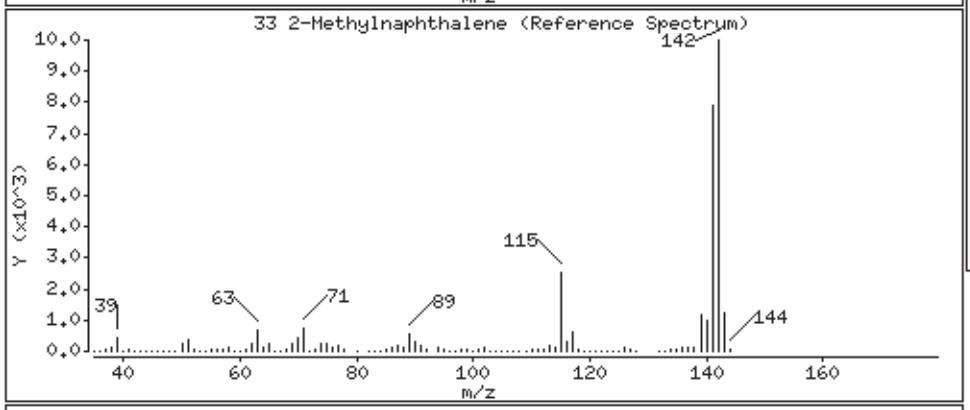
Column diameter: 0.25

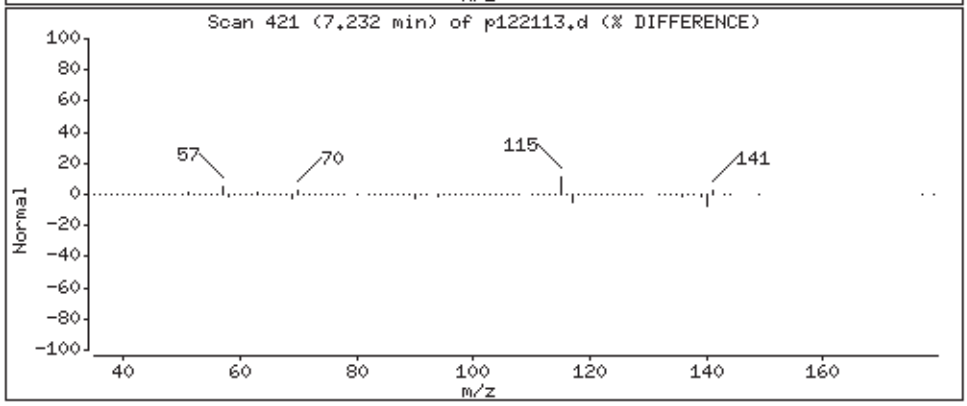
33 2-Methylnaphthalene

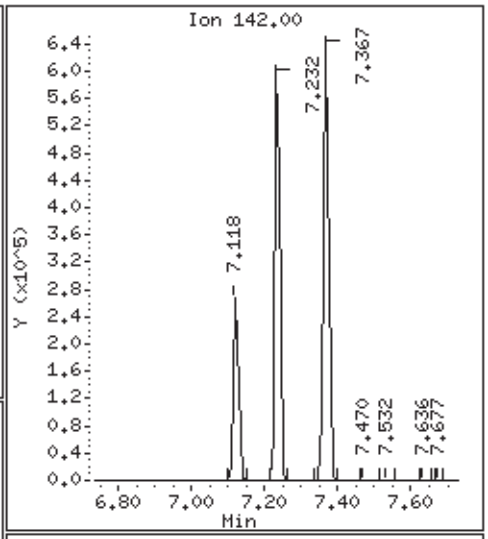
Concentration: 54.26 ug

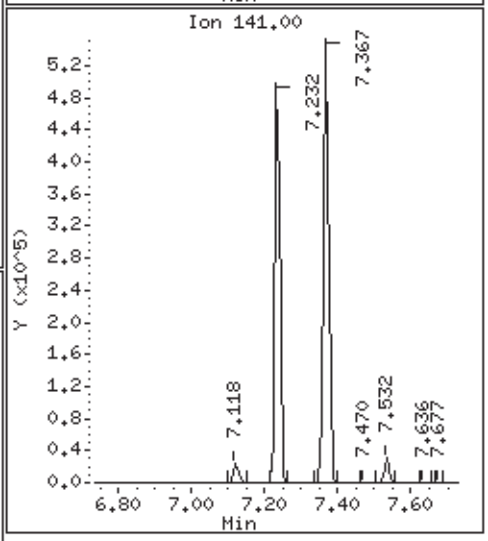












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

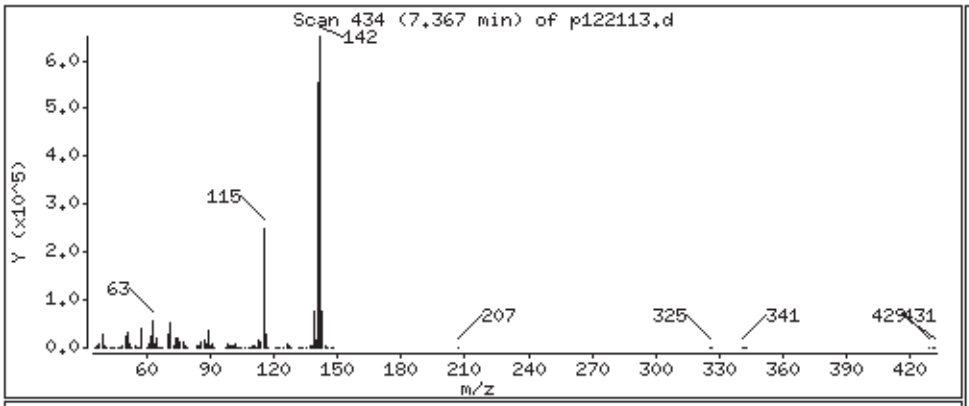
Operator: LP

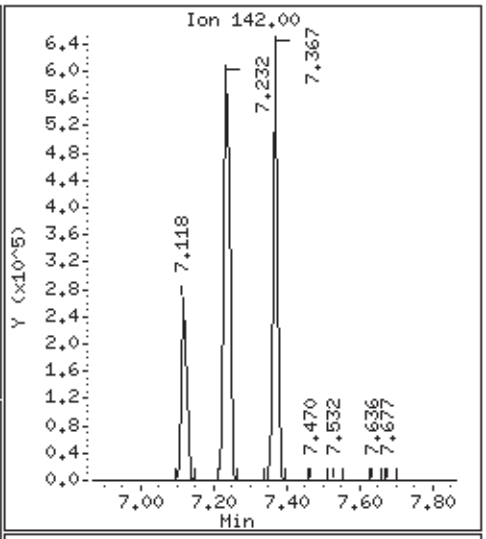
Column phase: DB-5.625

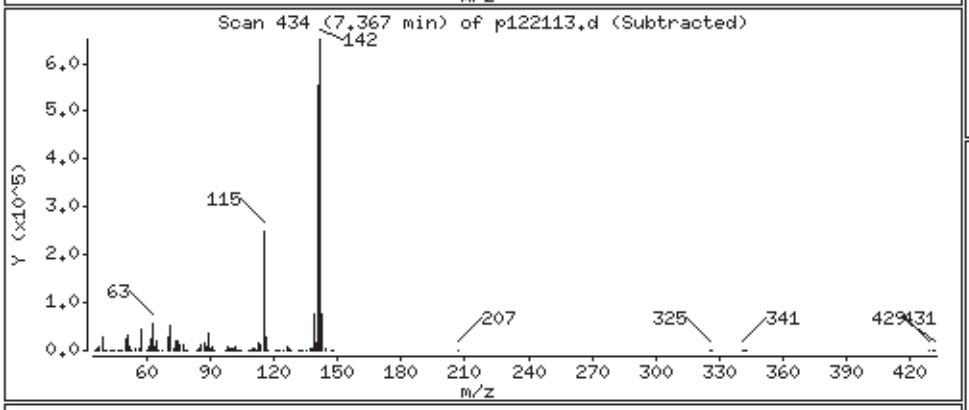
Column diameter: 0.25

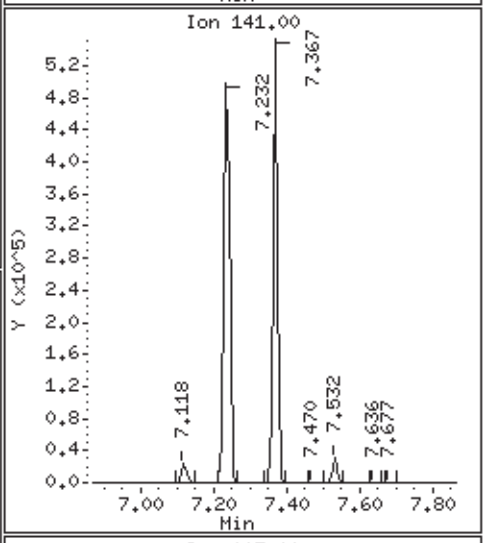
145 1-Methylnaphthalene

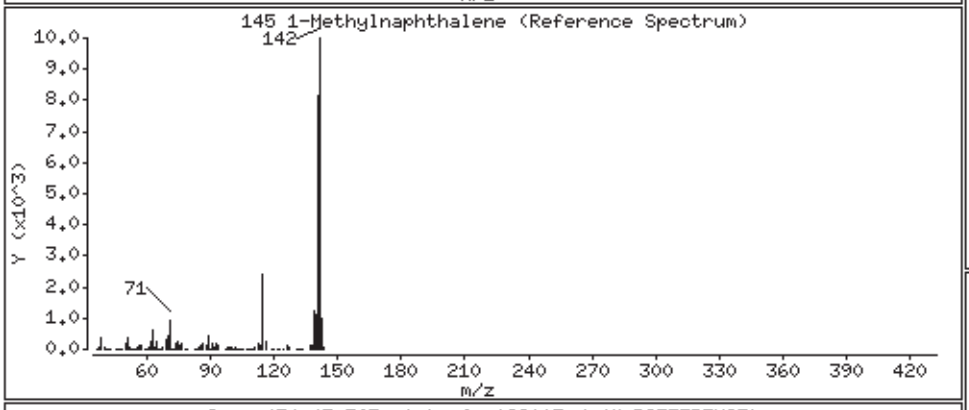
Concentration: 48.82 ug

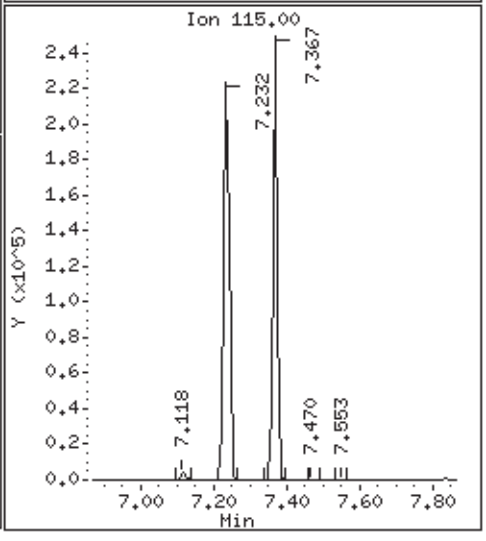


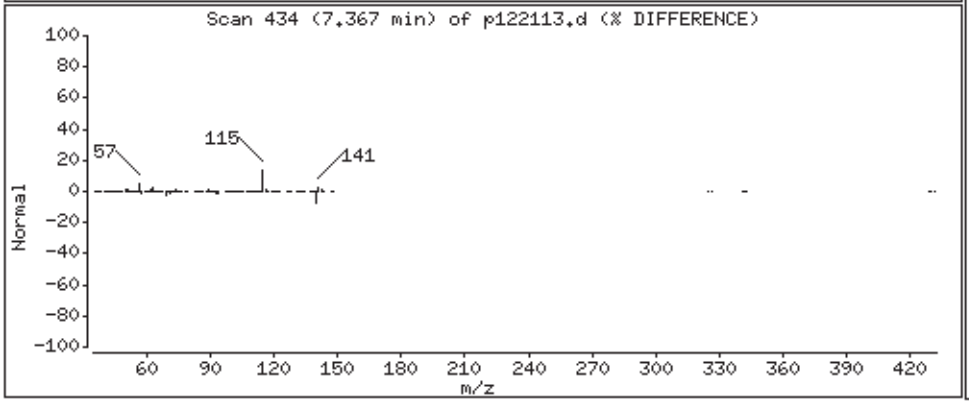












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

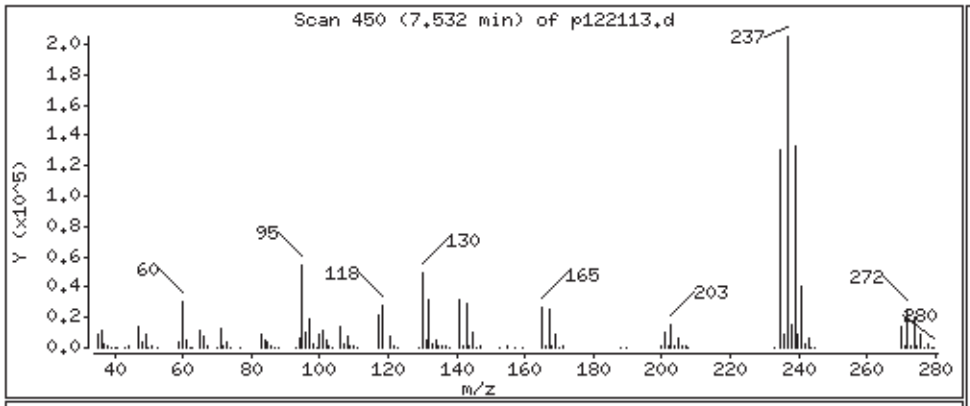
Operator: LP

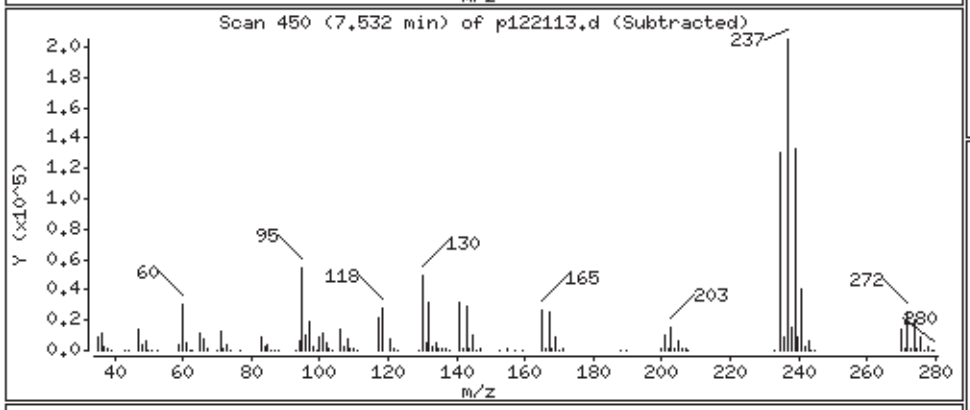
Column phase: DB-5.625

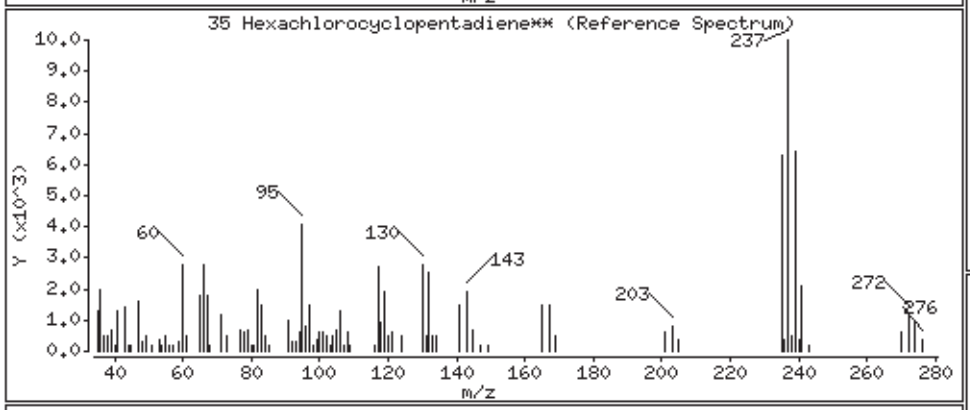
Column diameter: 0.25

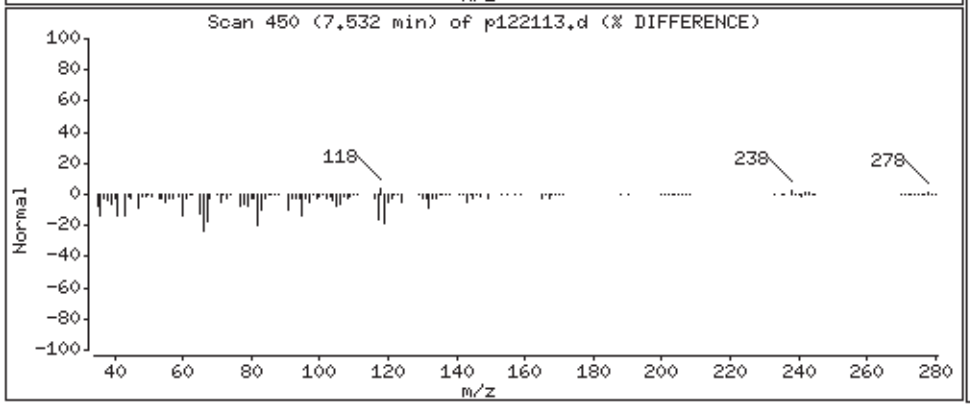
35 Hexachlorocyclopentadiene**

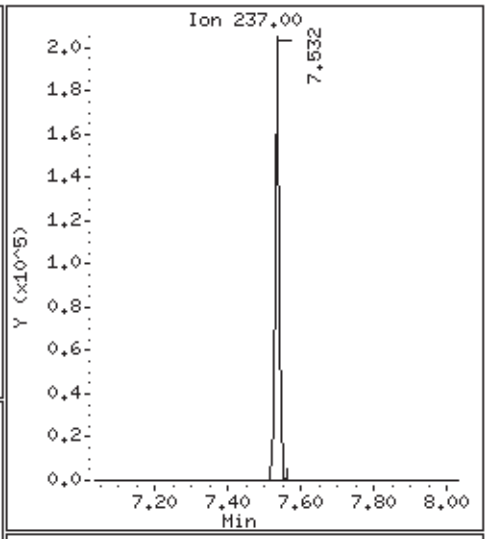
Concentration: 54.65 ug

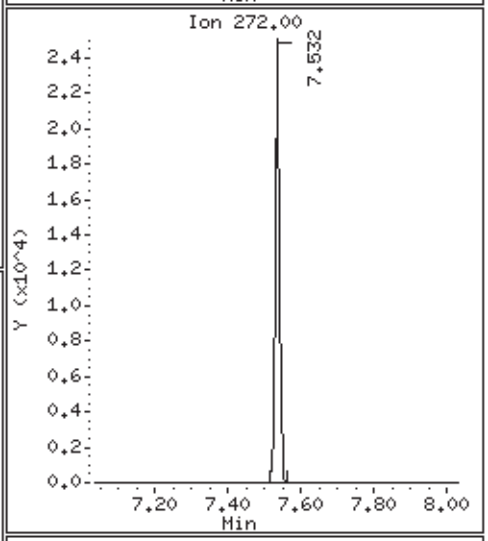


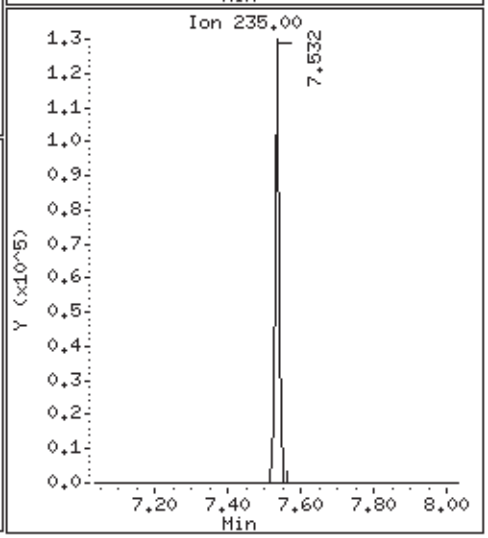












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

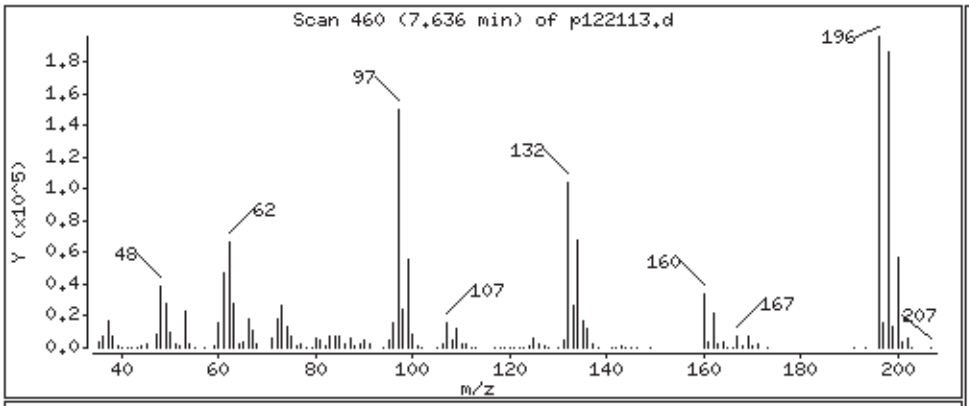
Operator: LP

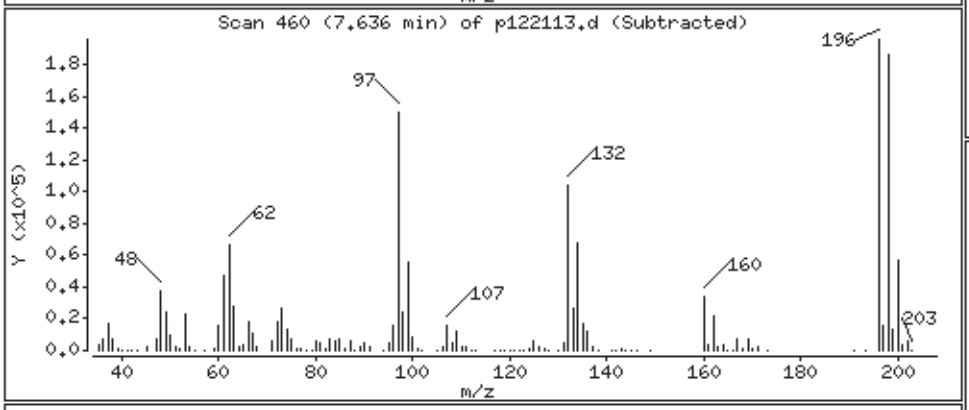
Column phase: DB-5.625

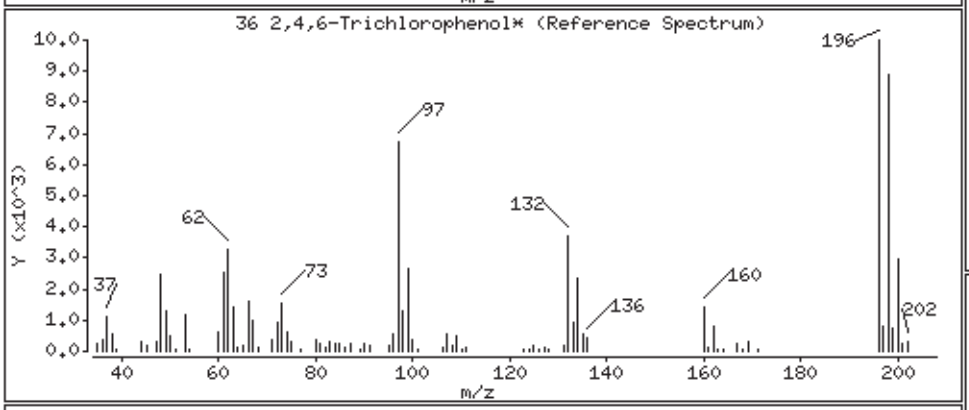
Column diameter: 0.25

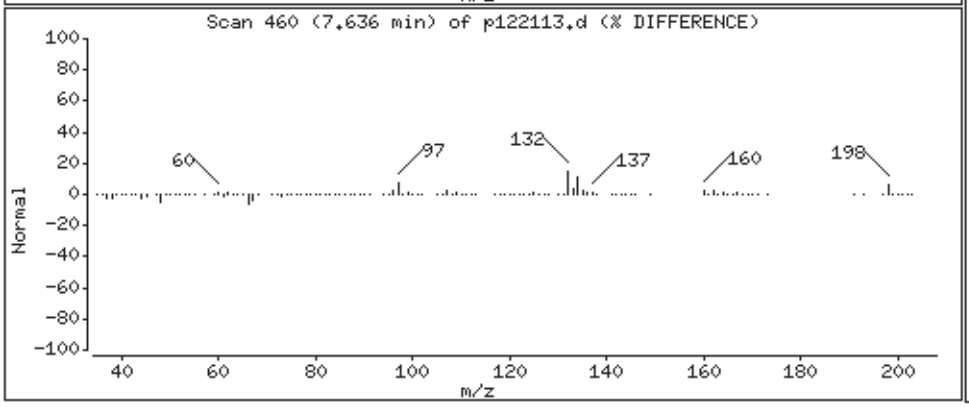
36 2,4,6-Trichlorophenol*

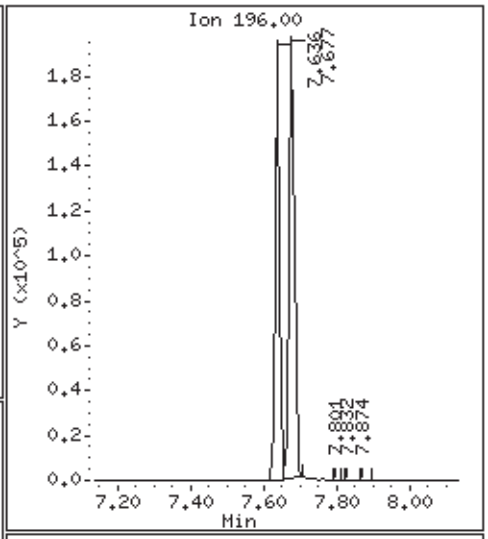
Concentration: 51.28 ug

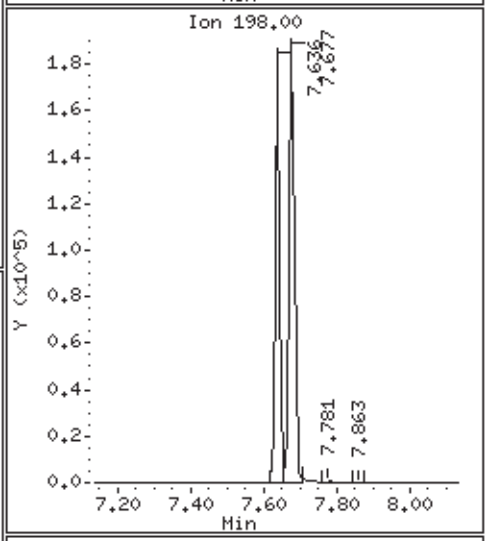


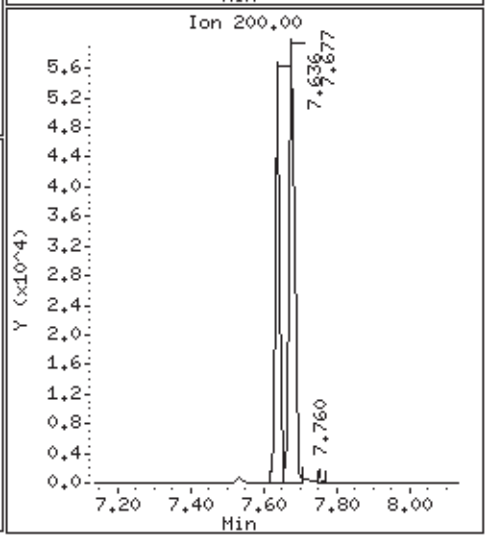












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

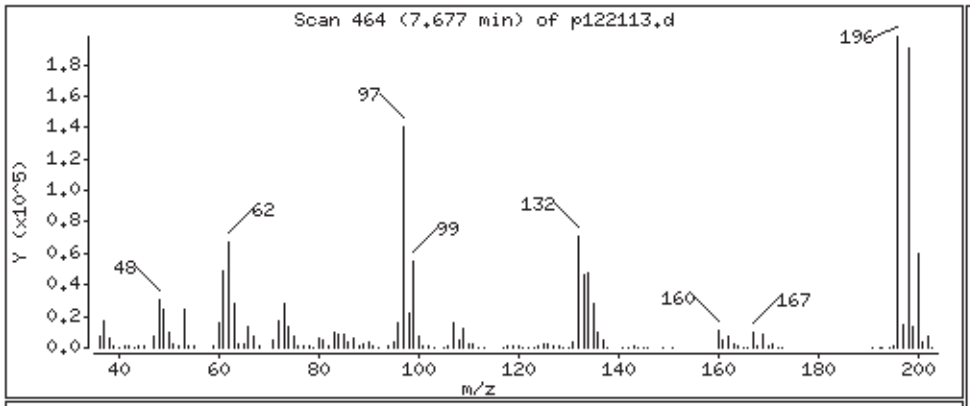
Operator: LP

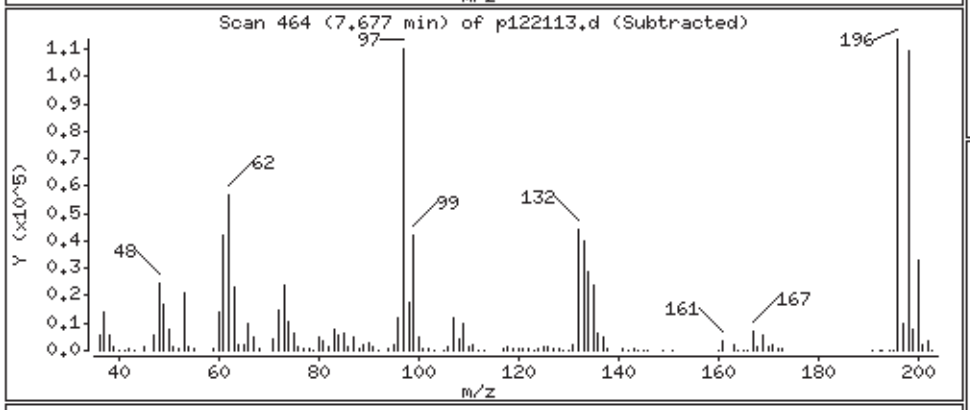
Column phase: DB-5.625

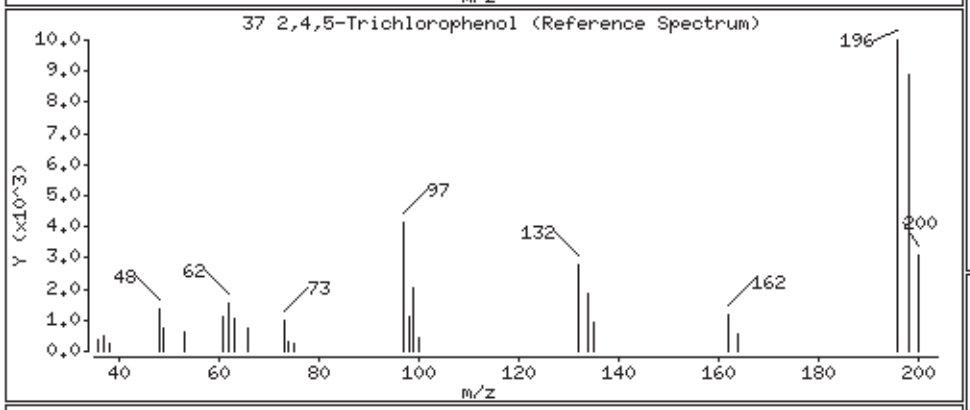
Column diameter: 0.25

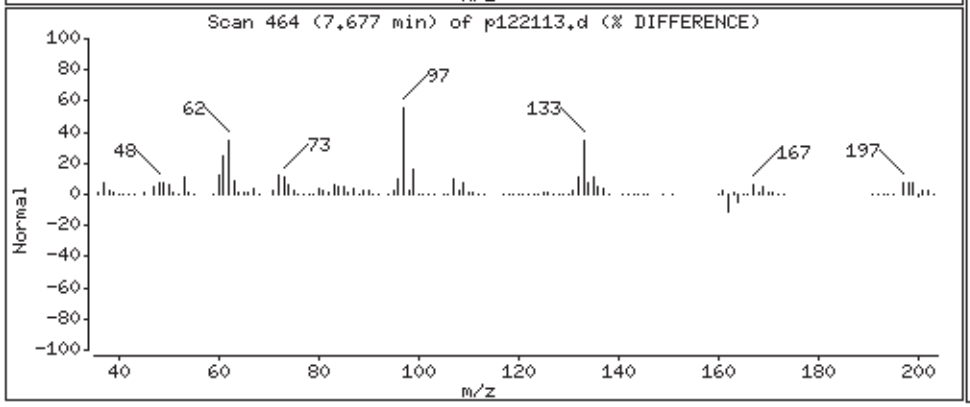
37 2,4,5-Trichlorophenol

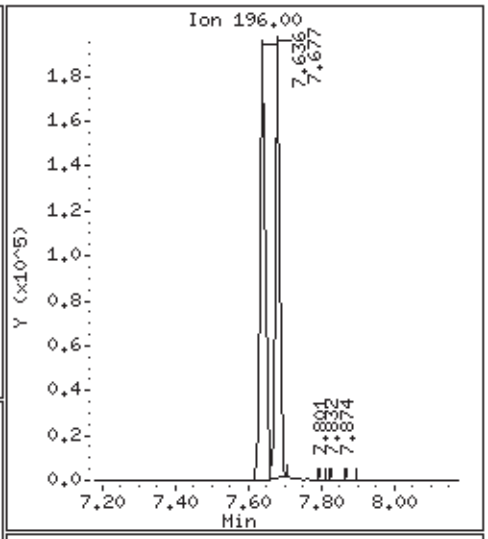
Concentration: 50.51 ug

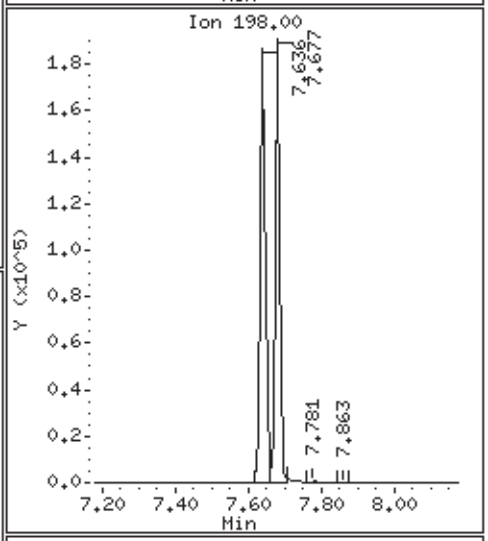


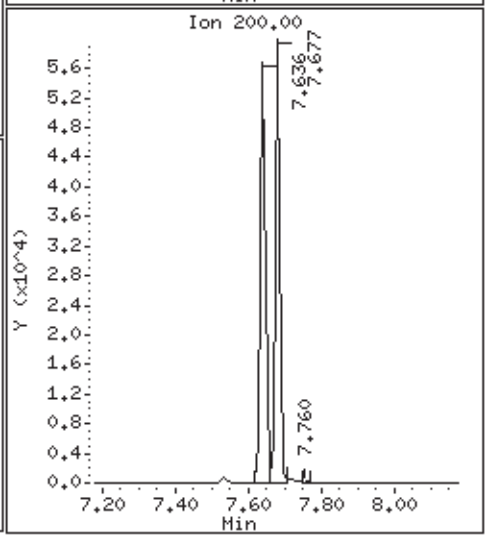












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

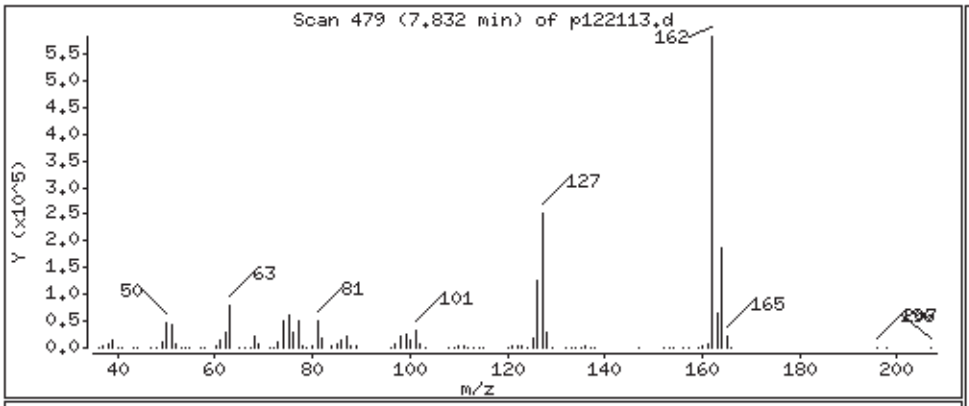
Operator: LP

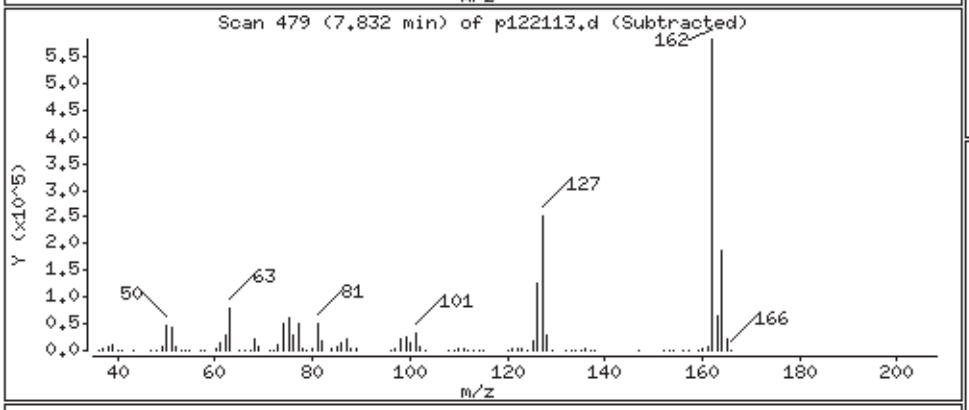
Column phase: DB-5.625

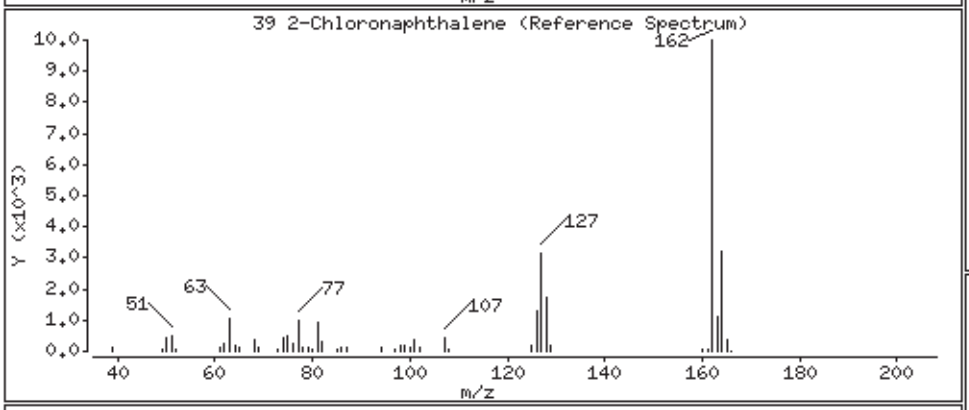
Column diameter: 0.25

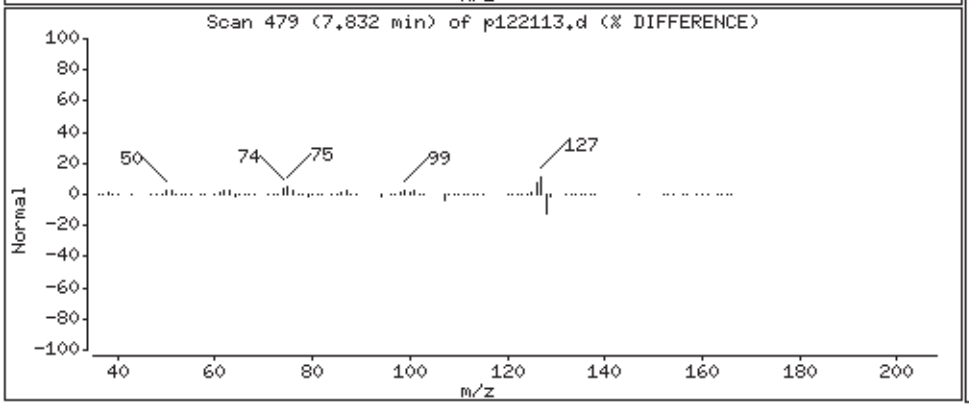
39 2-Chloronaphthalene

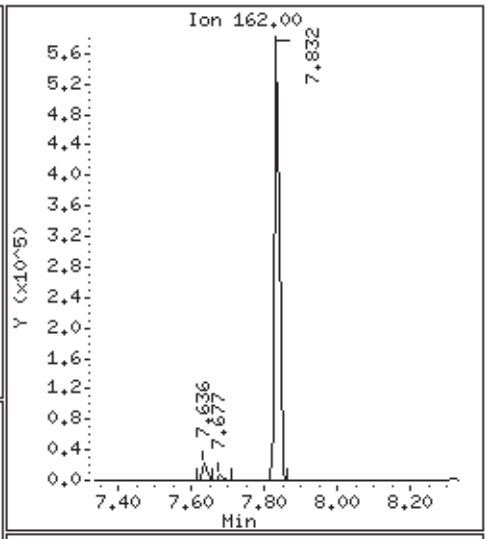
Concentration: 51.13 ug

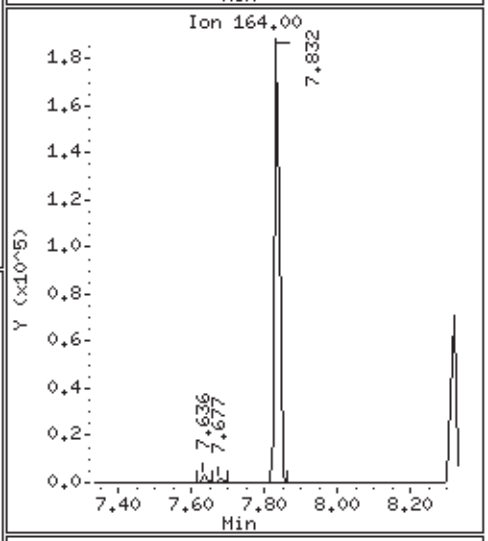


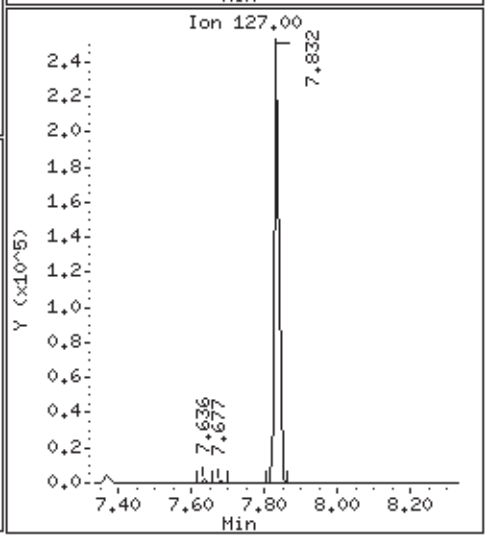












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

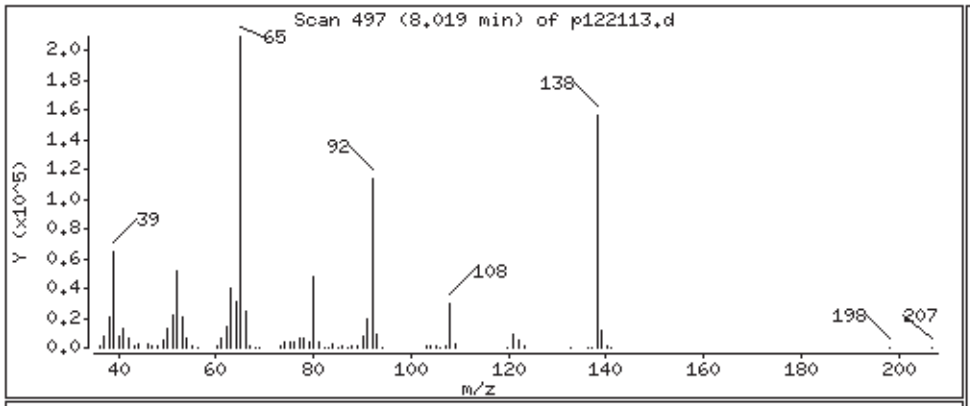
Operator: LP

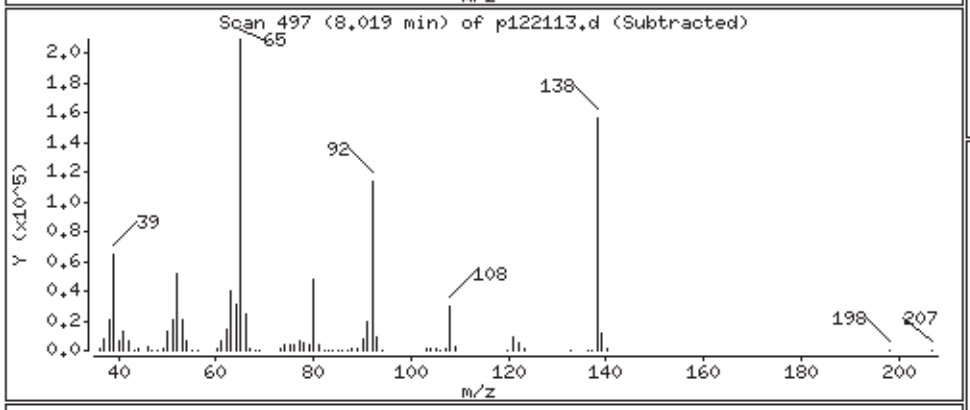
Column phase: DB-5.625

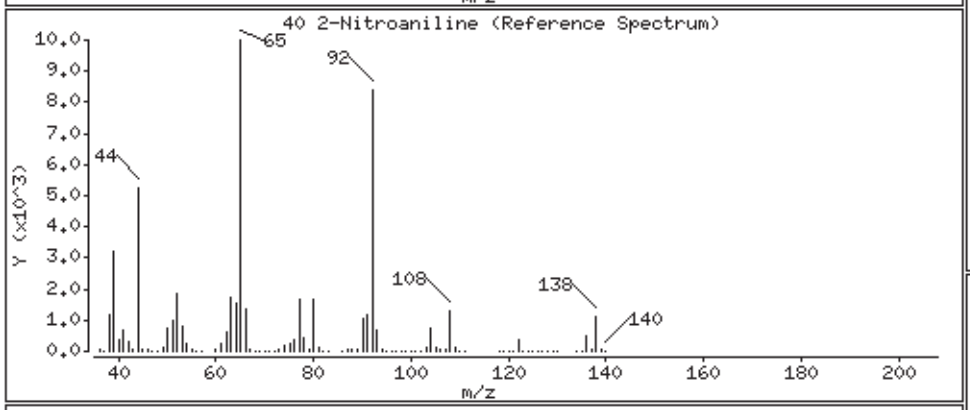
Column diameter: 0.25

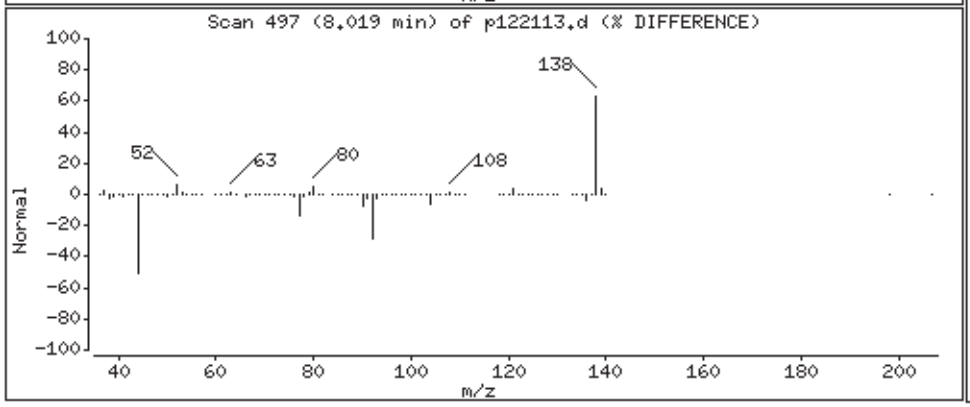
40 2-Nitroaniline

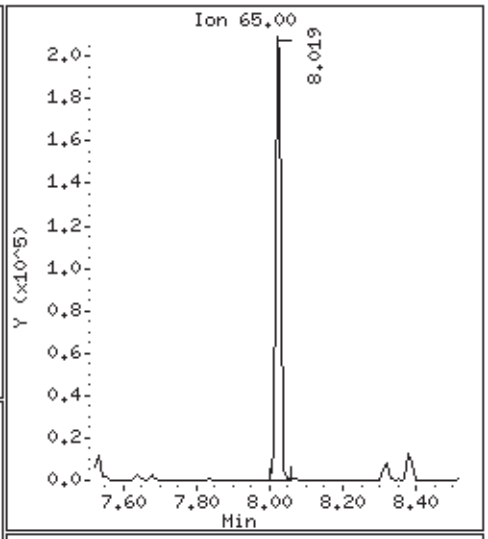
Concentration: 54.28 ug

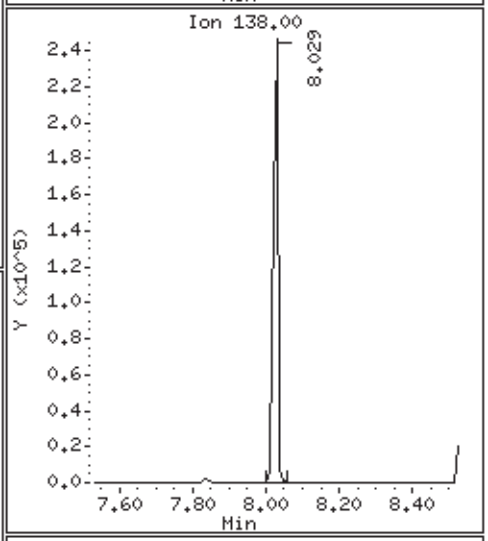


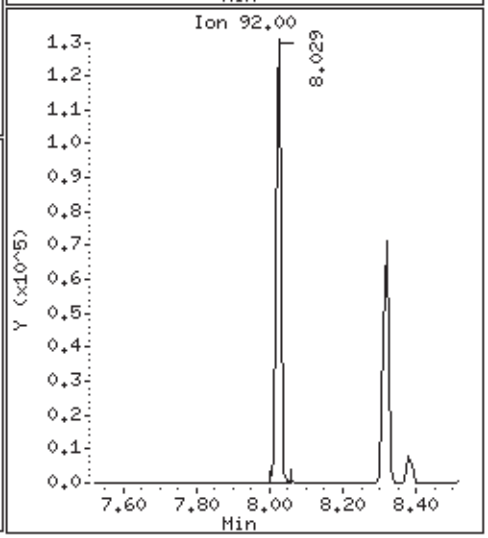












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

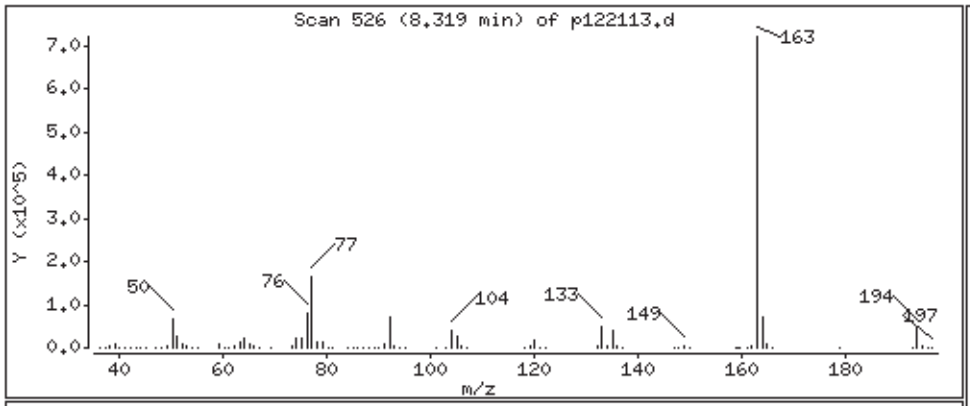
Operator: LP

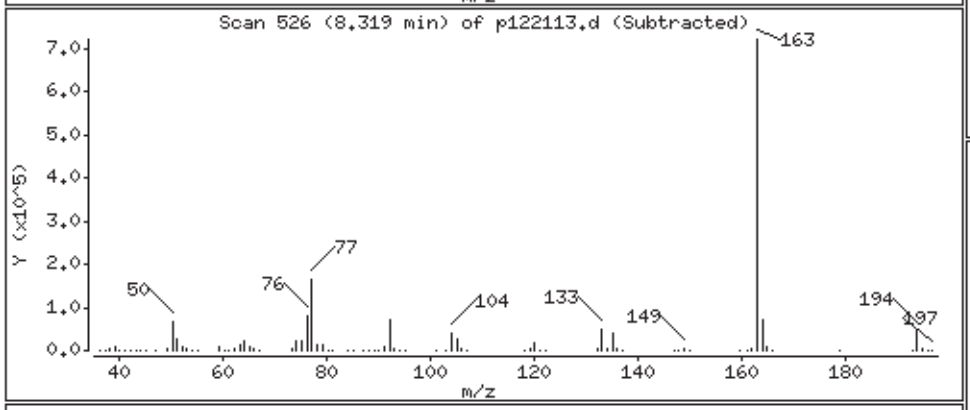
Column phase: DB-5.625

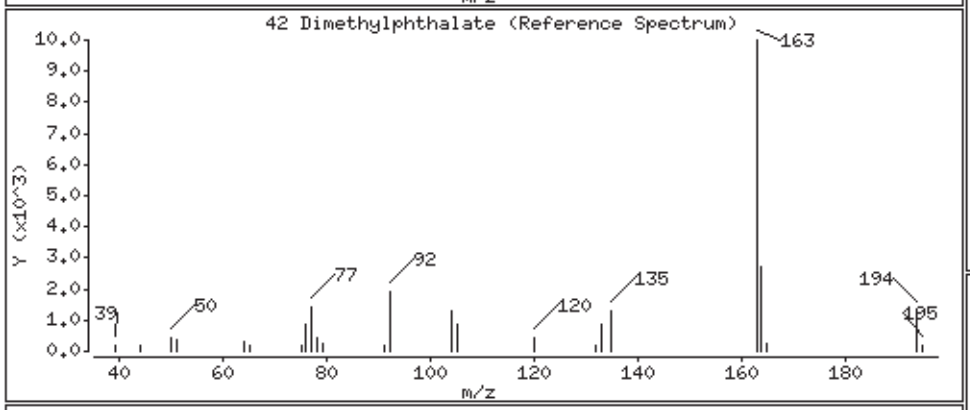
Column diameter: 0.25

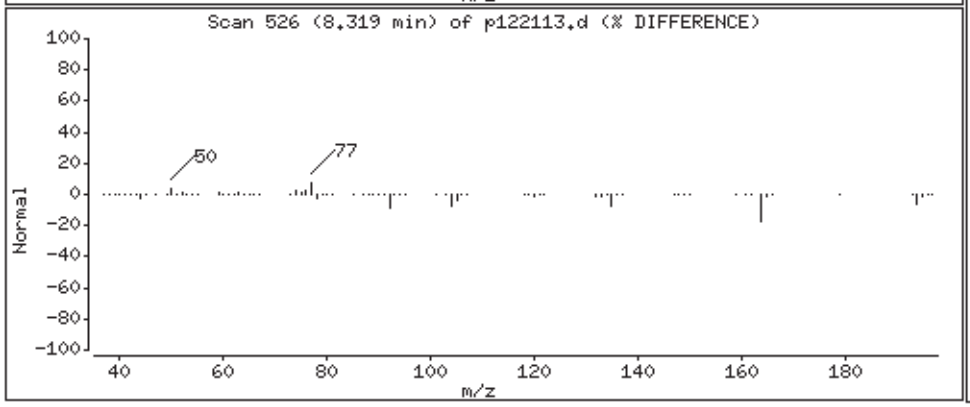
42 Dimethylphthalate

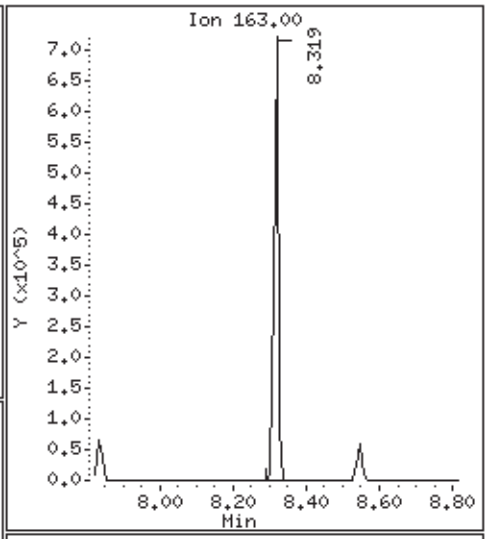
Concentration: 52.96 ug

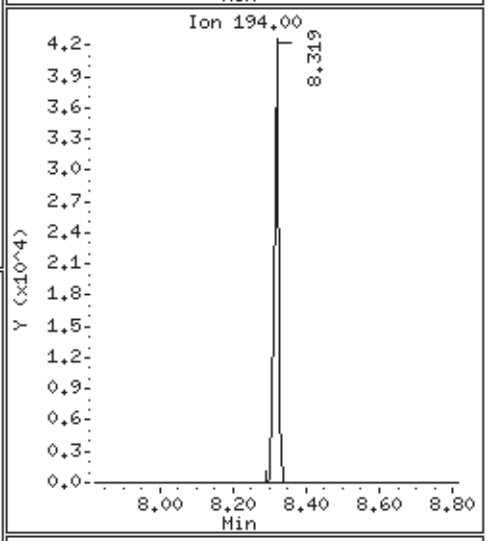


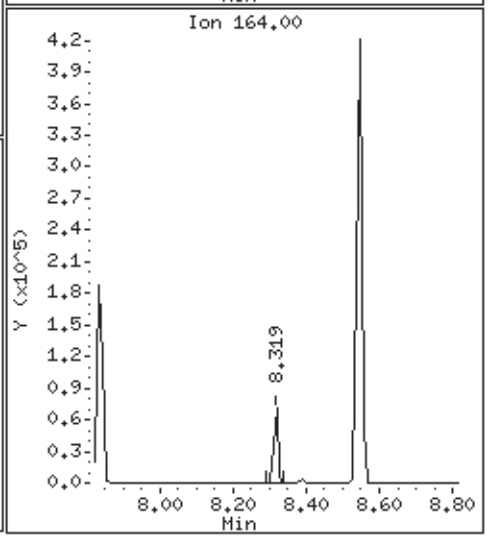












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

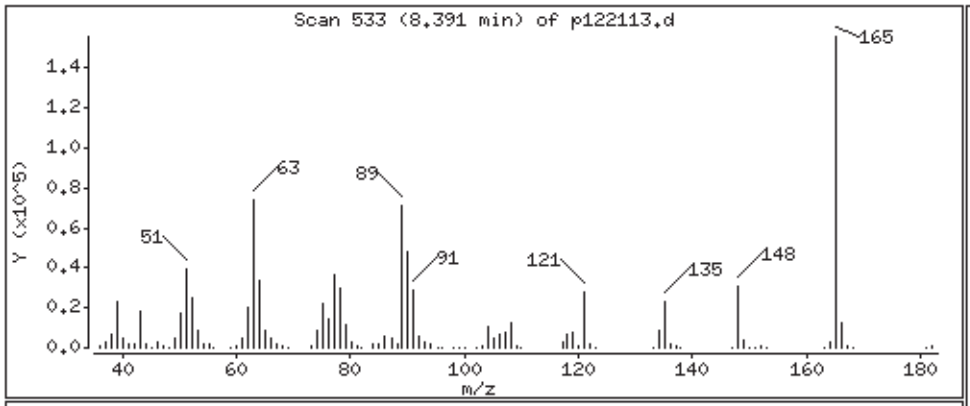
Operator: LP

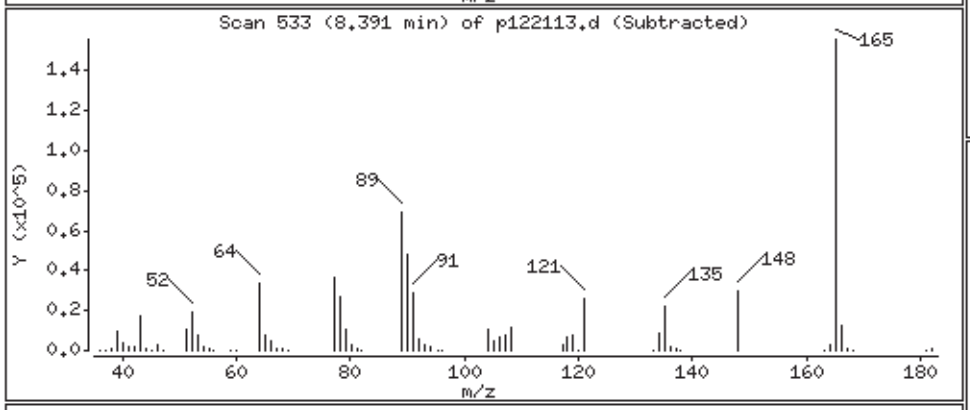
Column phase: DB-5.625

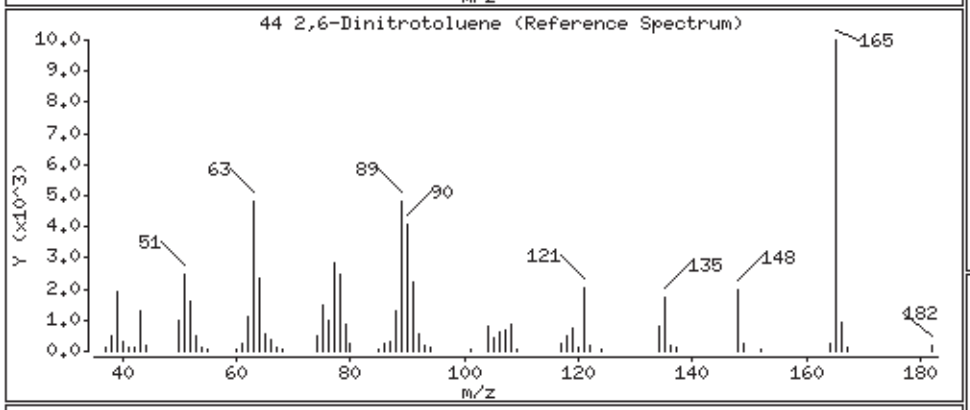
Column diameter: 0.25

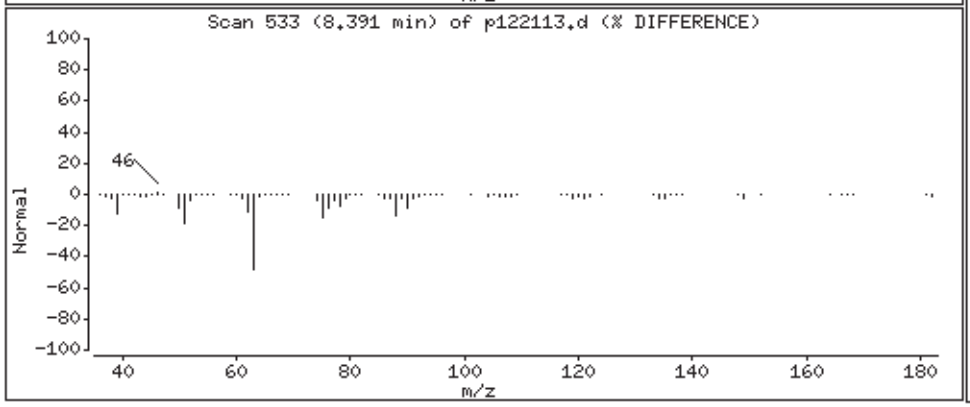
44 2,6-Dinitrotoluene

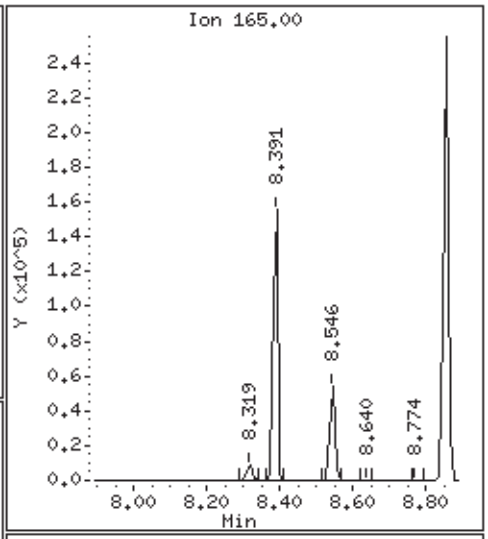
Concentration: 51.15 ug

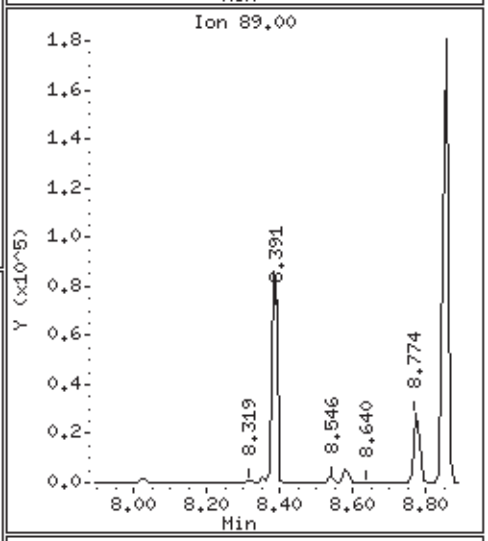


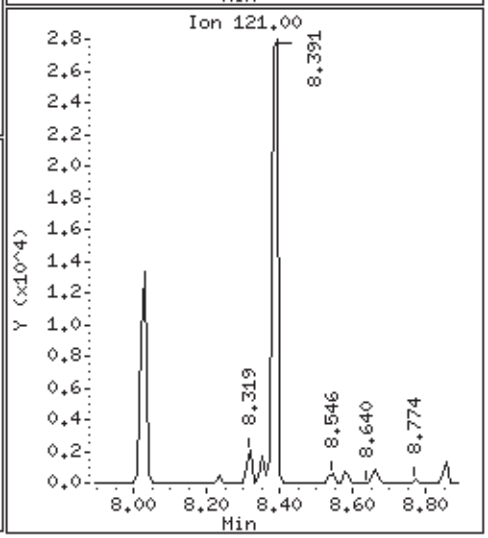












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

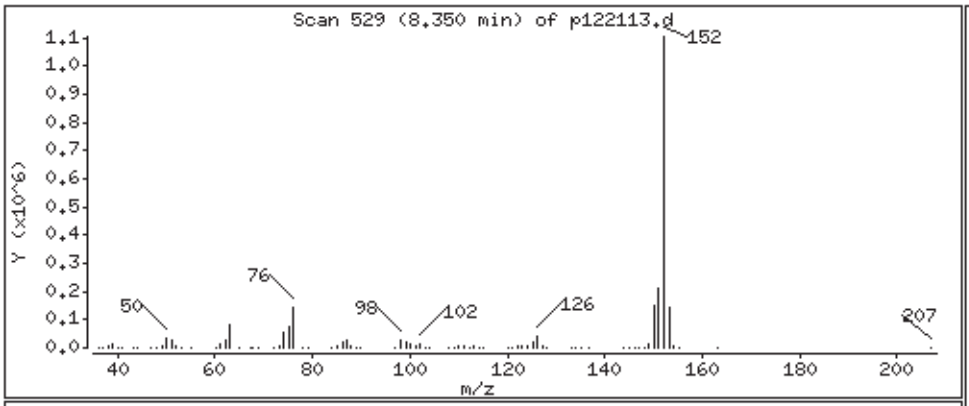
Operator: LP

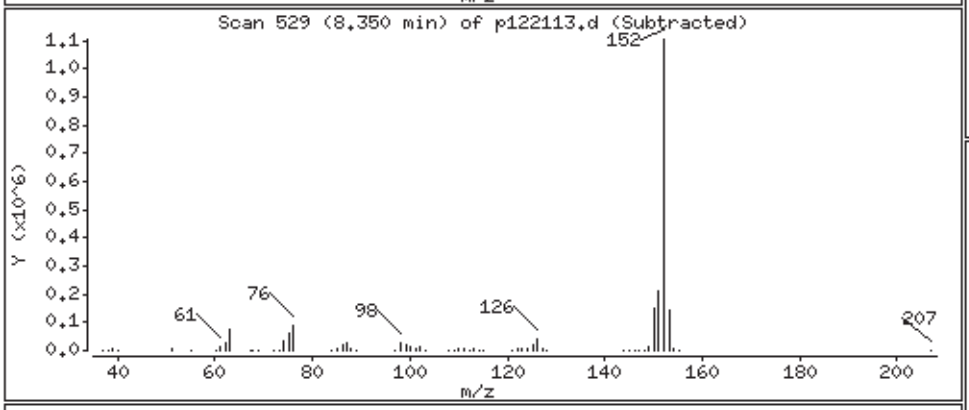
Column phase: DB-5.625

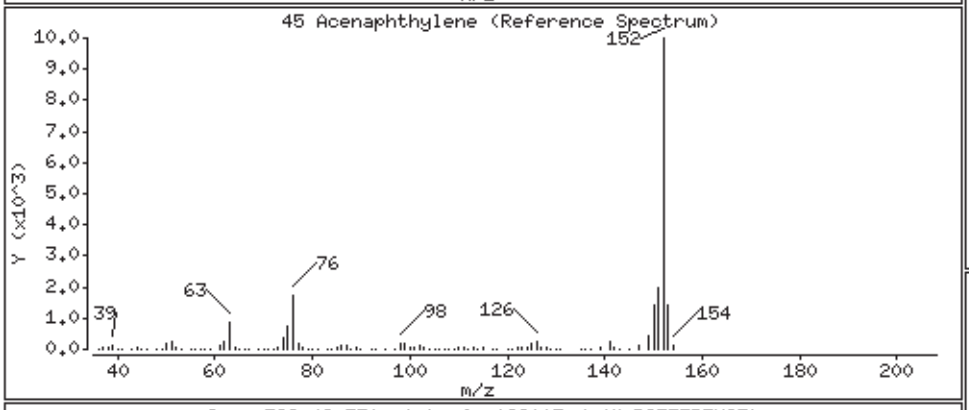
Column diameter: 0.25

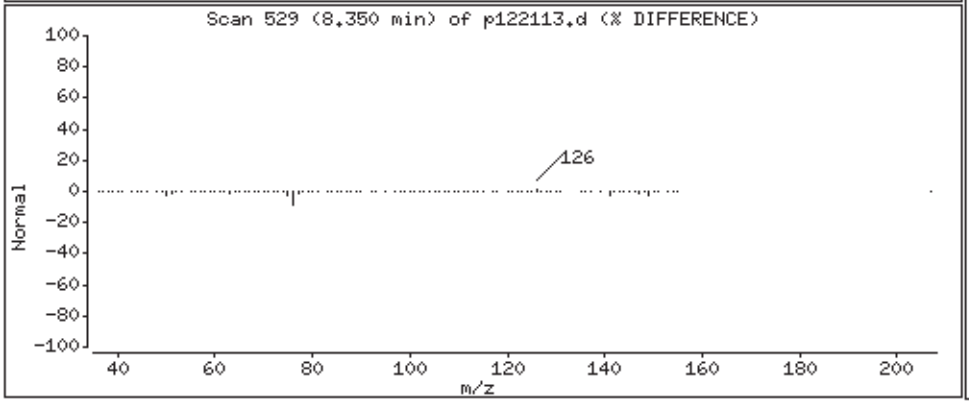
45 Acenaphthylene

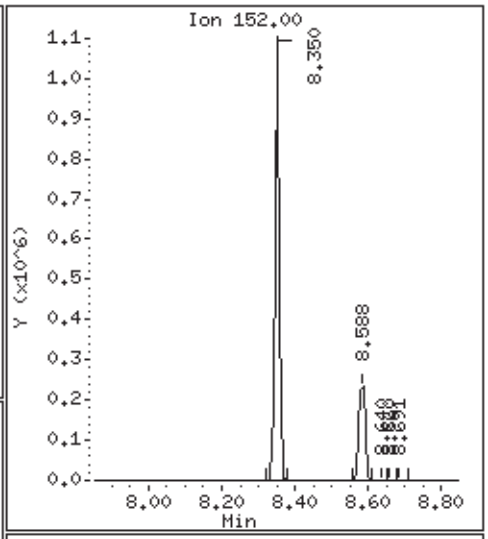
Concentration: 52.67 ug

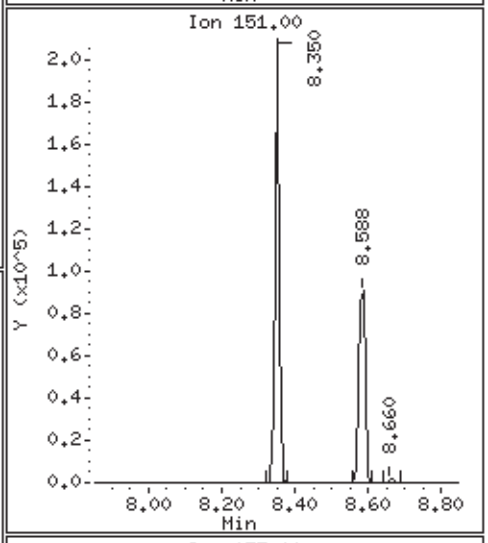


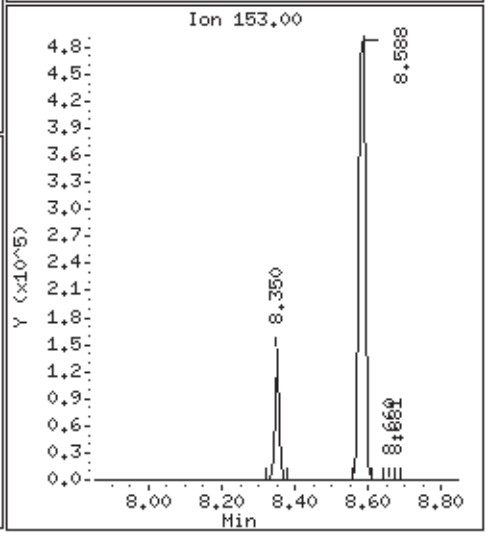












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

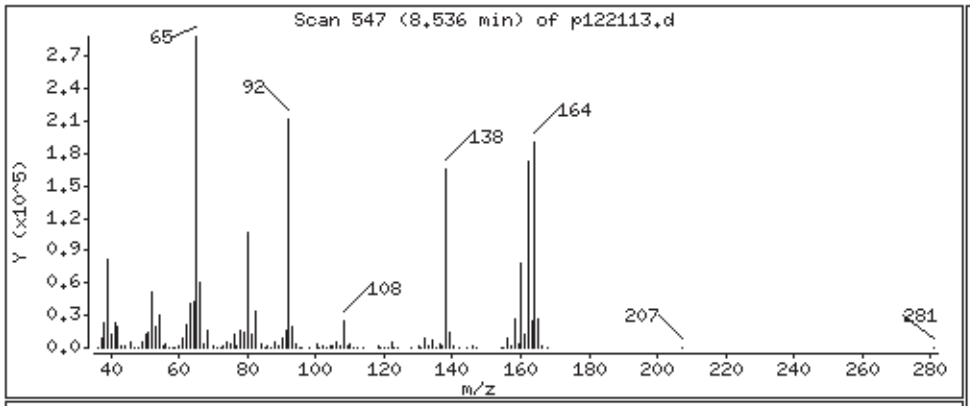
Operator: LP

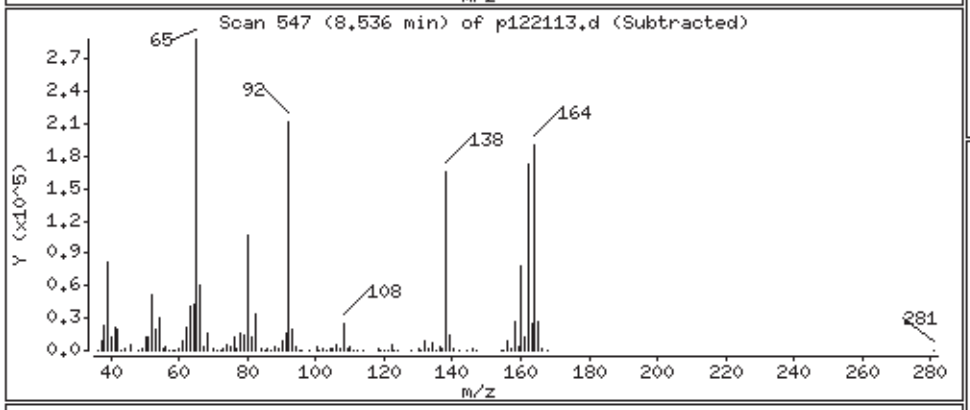
Column phase: DB-5.625

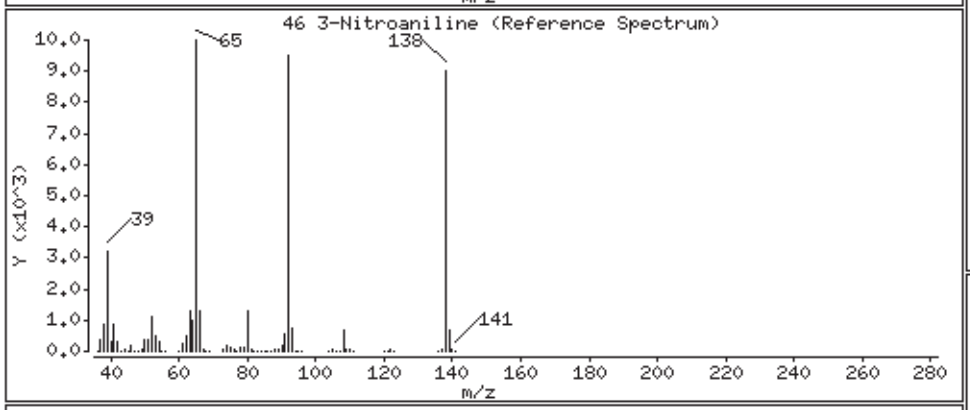
Column diameter: 0.25

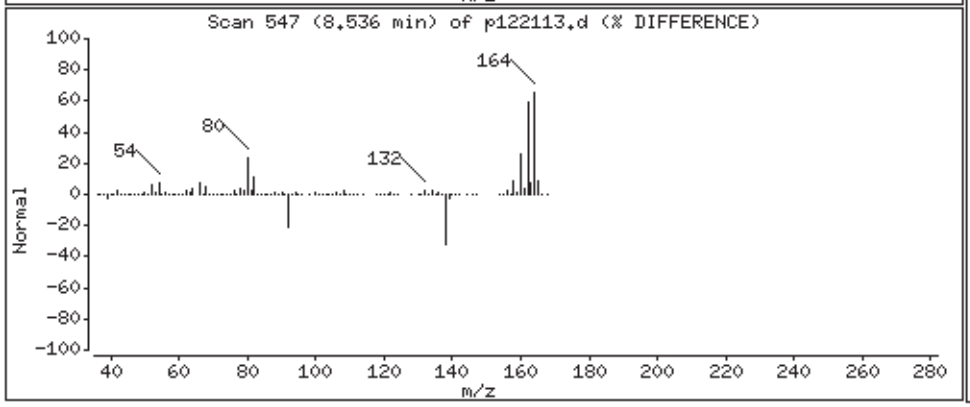
46 3-Nitroaniline

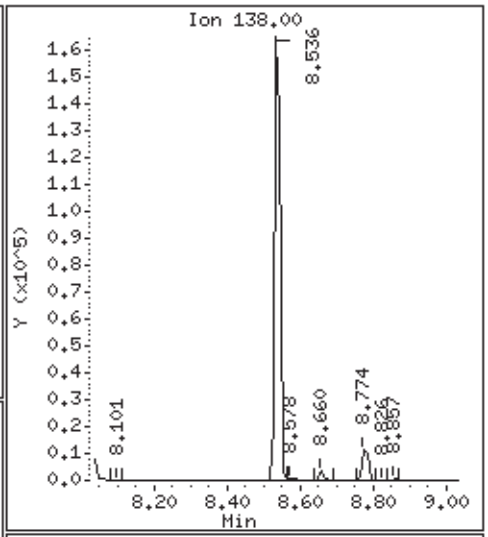
Concentration: 52.79 ug

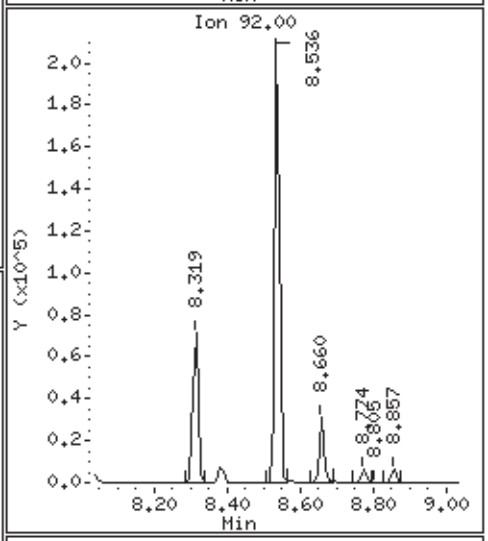


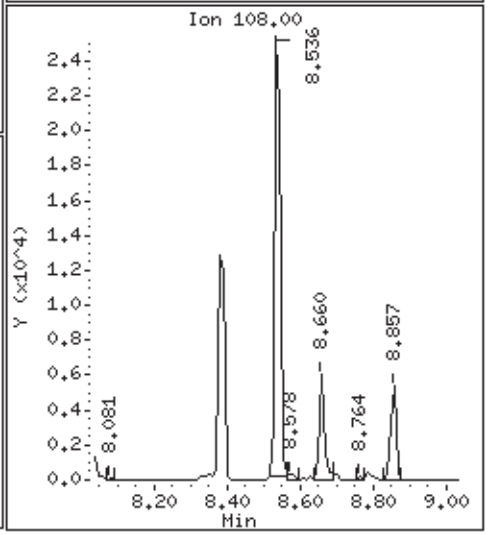












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

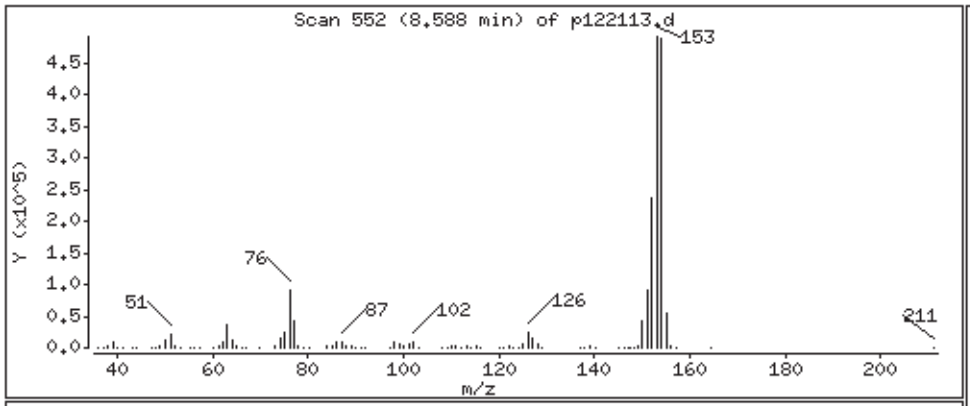
Operator: LP

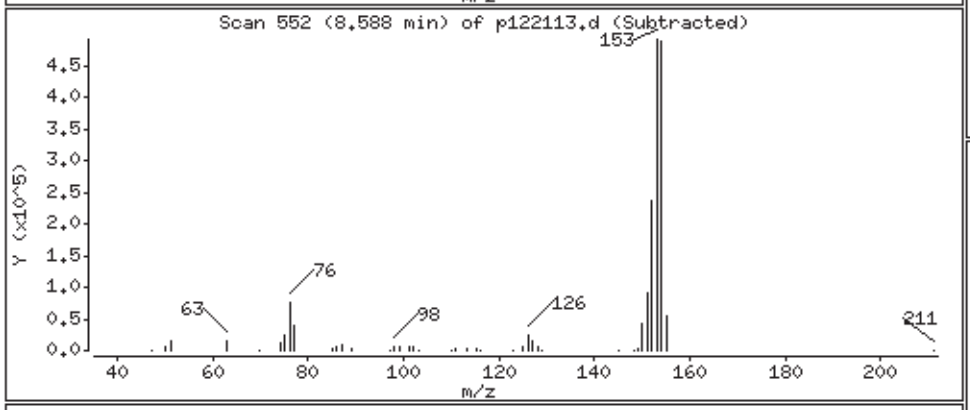
Column phase: DB-5.625

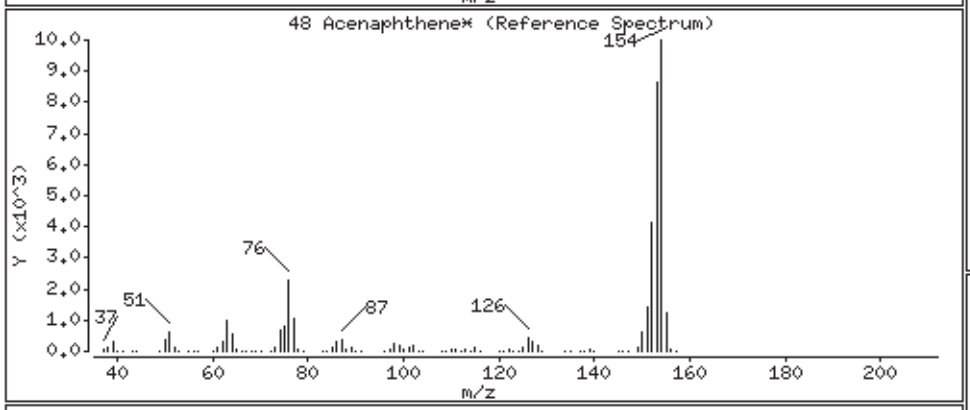
Column diameter: 0.25

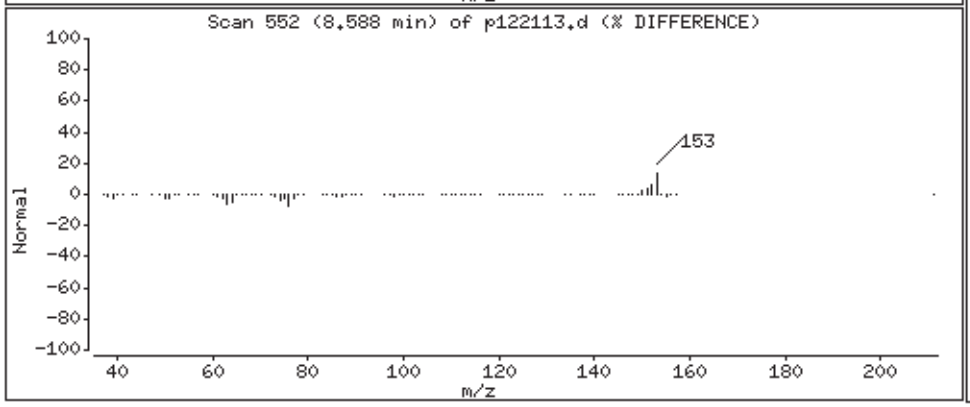
48 Acenaphthene*

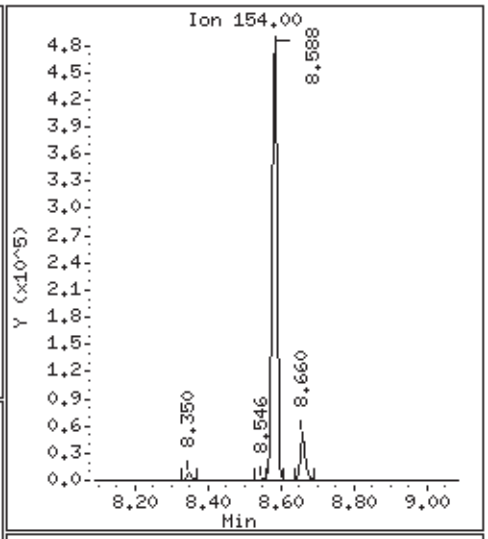
Concentration: 51.43 ug

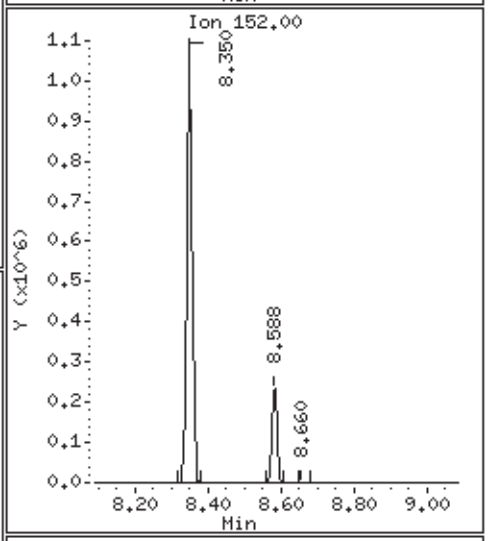


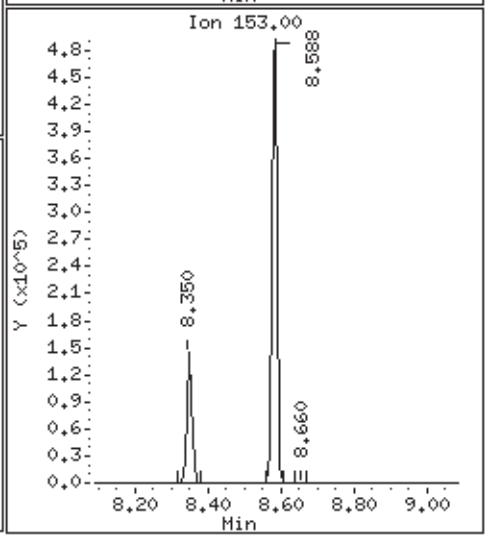












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

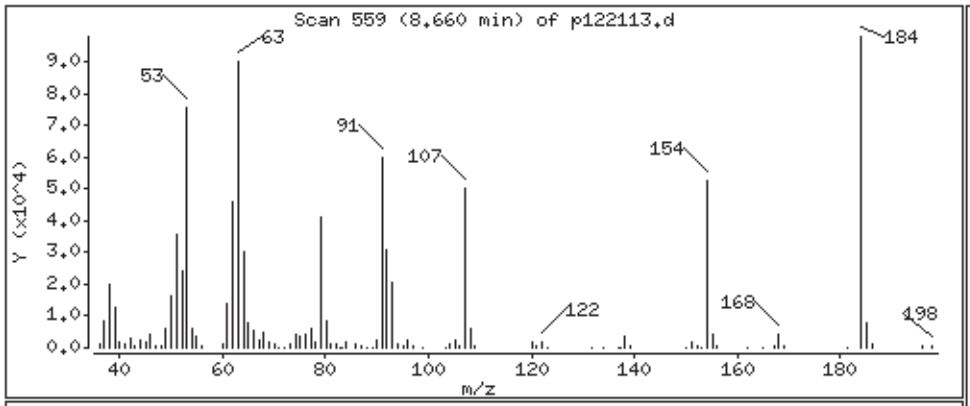
Operator: LP

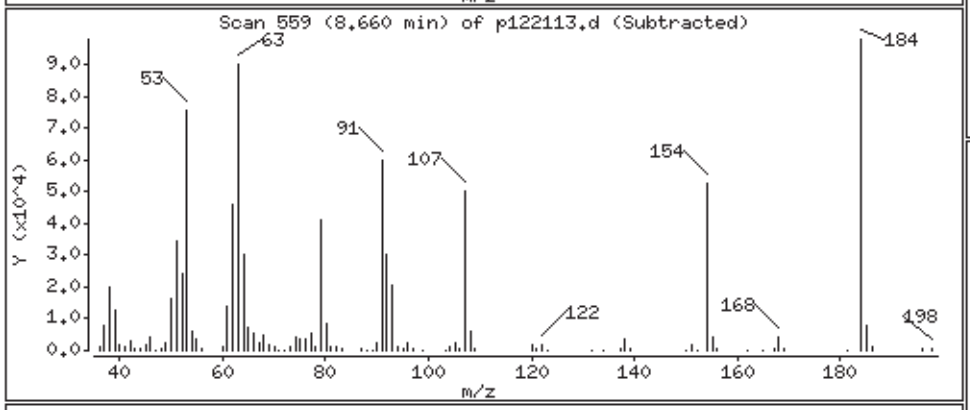
Column phase: DB-5.625

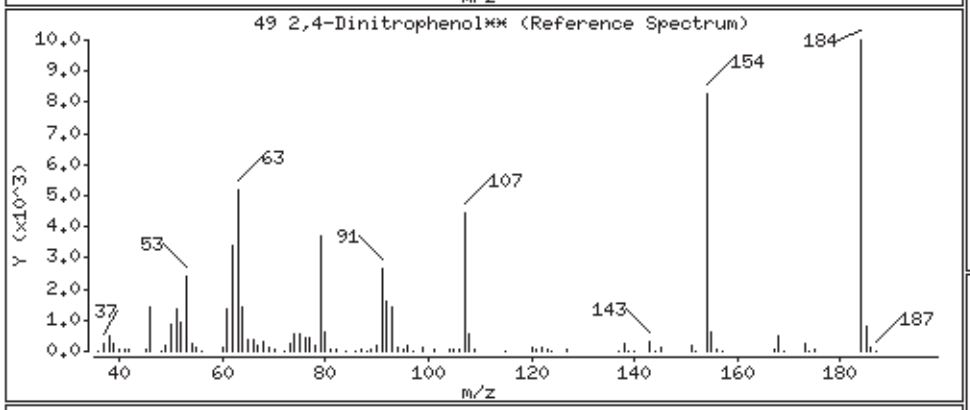
Column diameter: 0.25

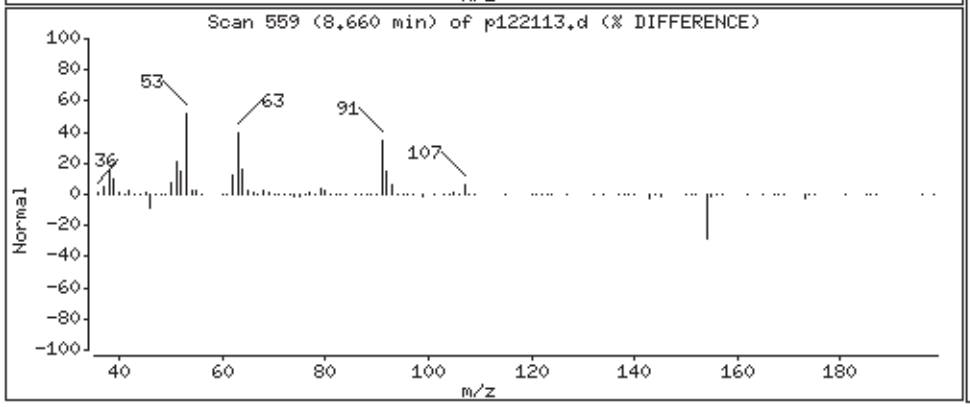
49 2,4-Dinitrophenol**

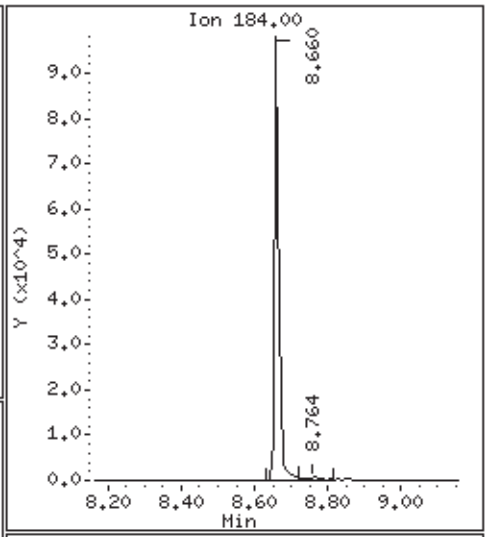
Concentration: 50.88 ug

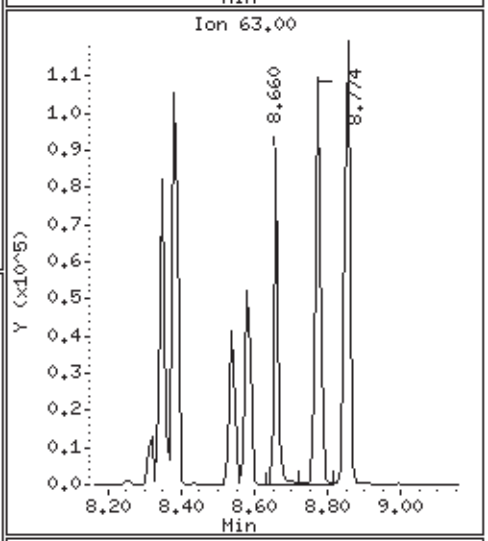


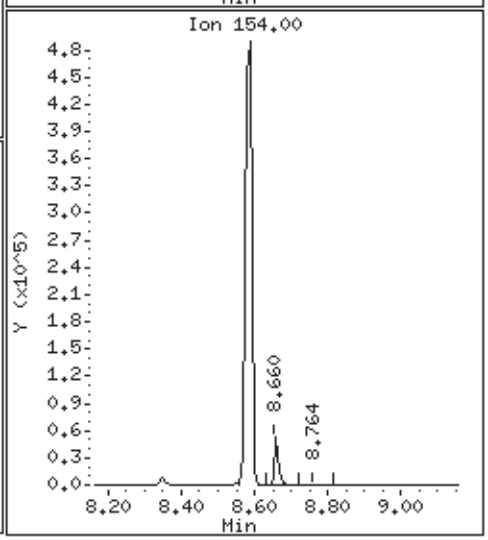












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

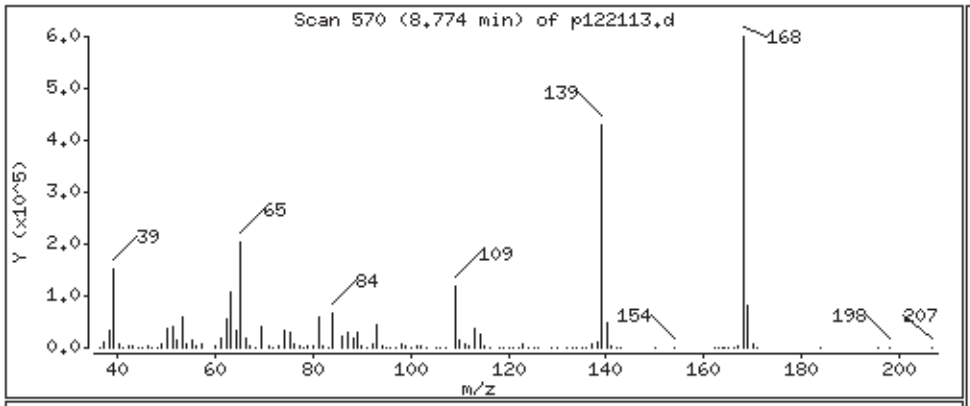
Operator: LP

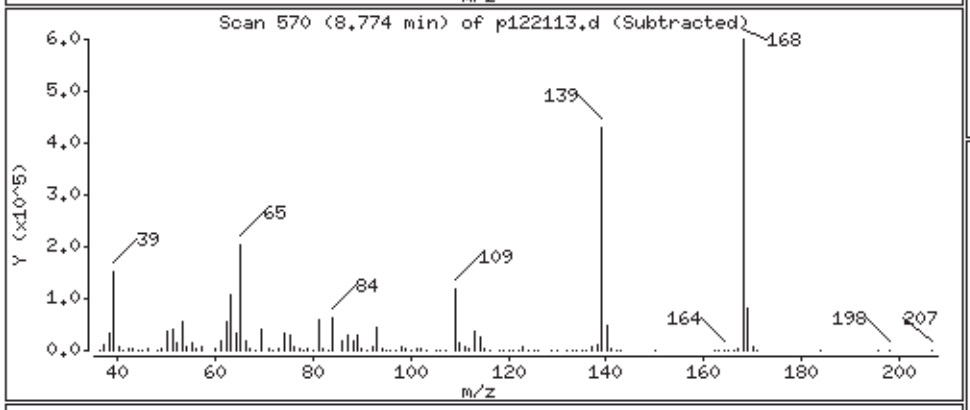
Column phase: DB-5.625

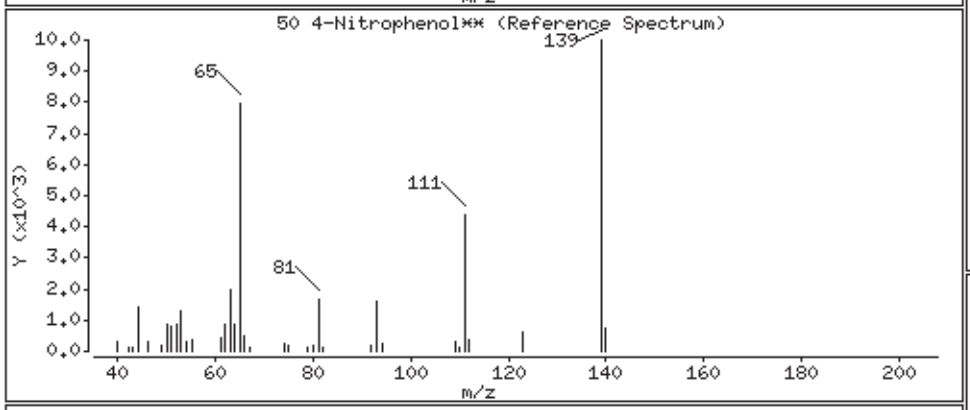
Column diameter: 0.25

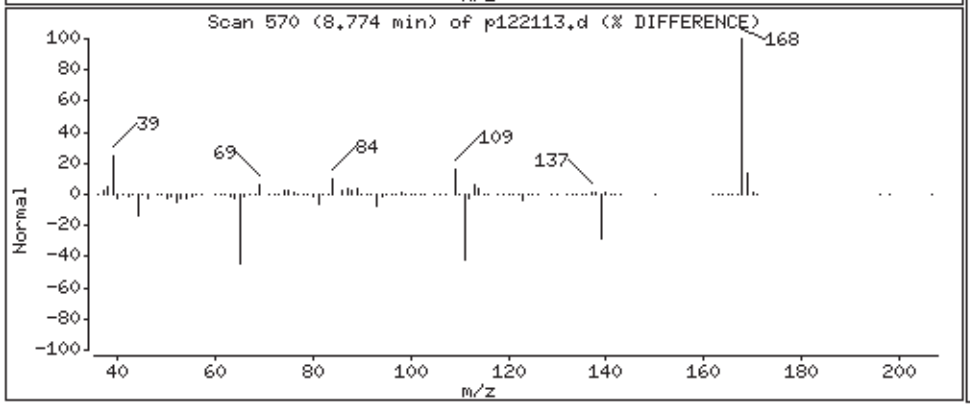
50 4-Nitrophenol**

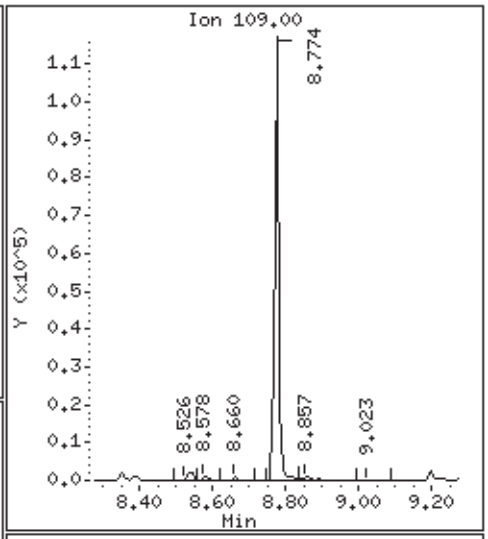
Concentration: 49.88 ug

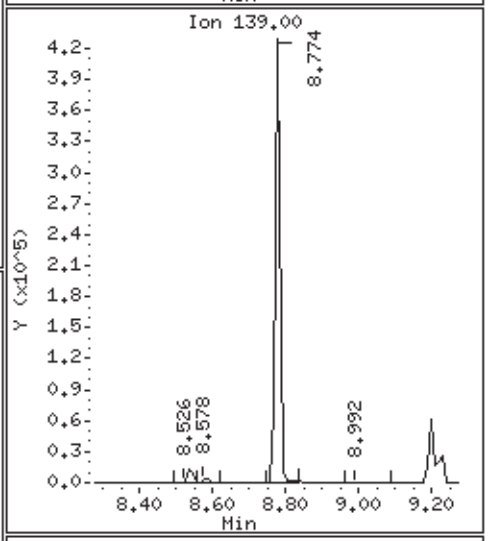


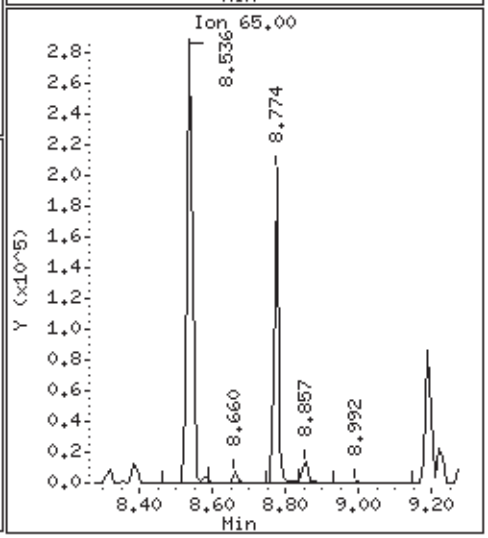












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

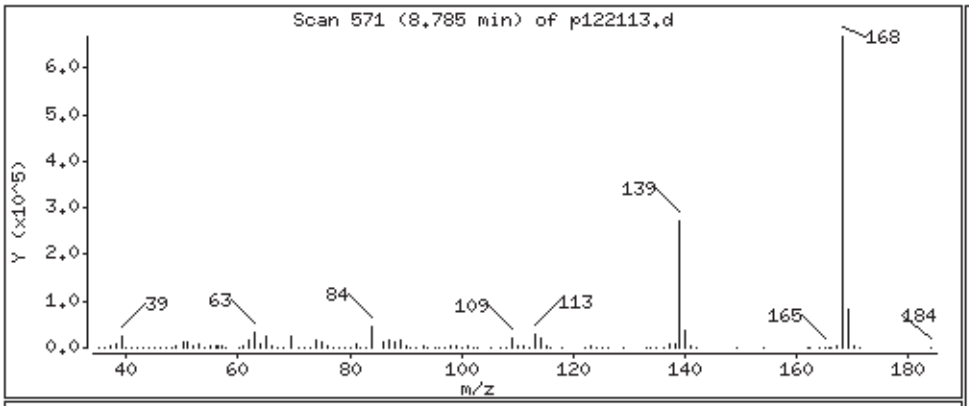
Operator: LP

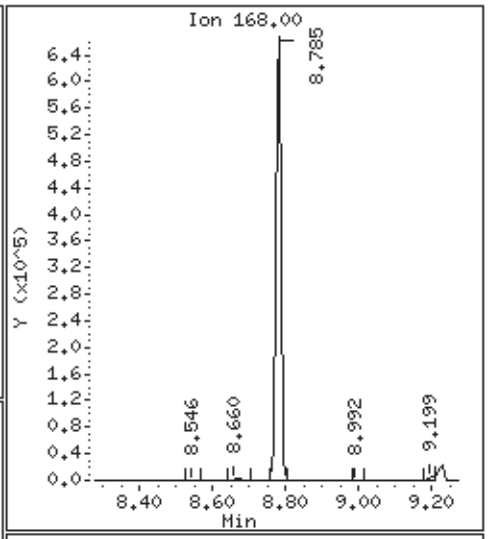
Column phase: DB-5.625

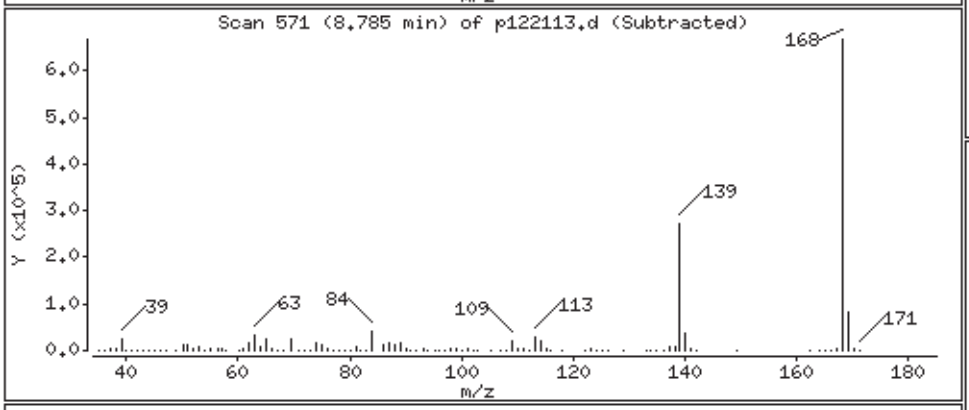
Column diameter: 0.25

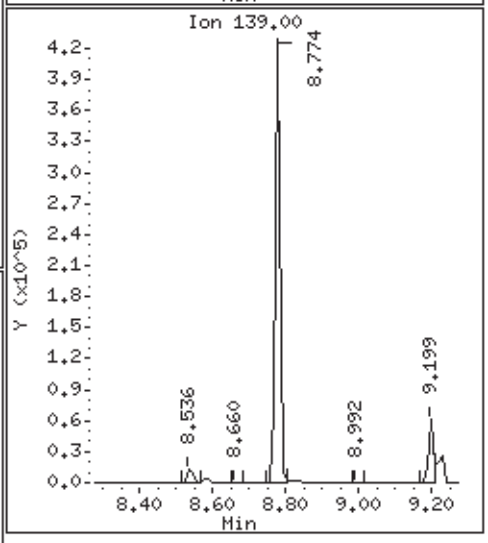
51 Dibenzofuran

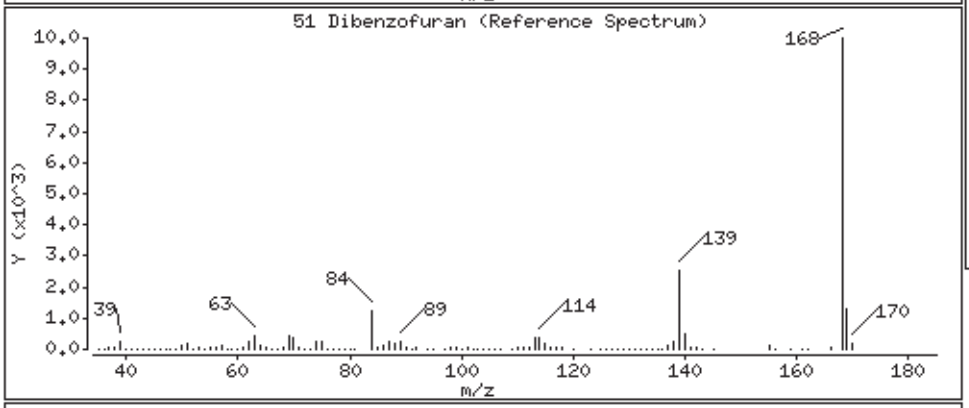
Concentration: 50.04 ug

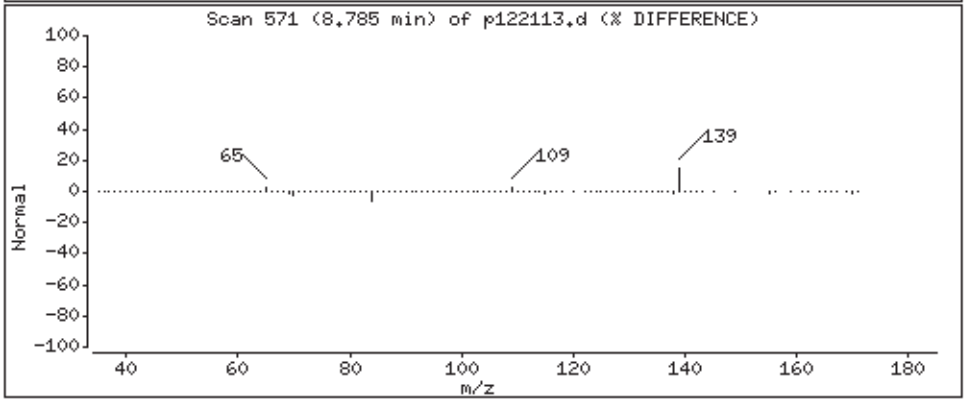












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

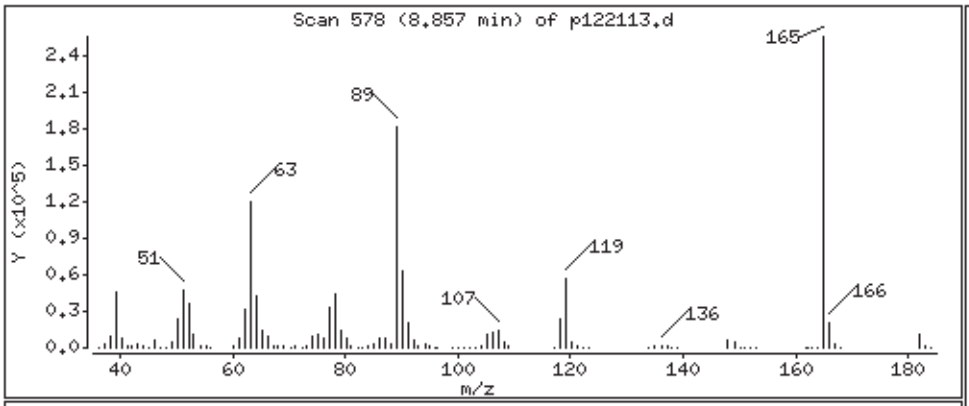
Operator: LP

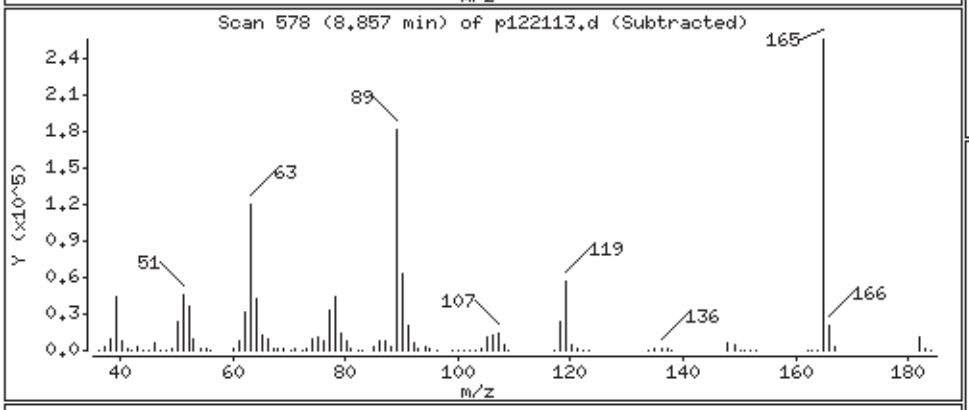
Column phase: DB-5.625

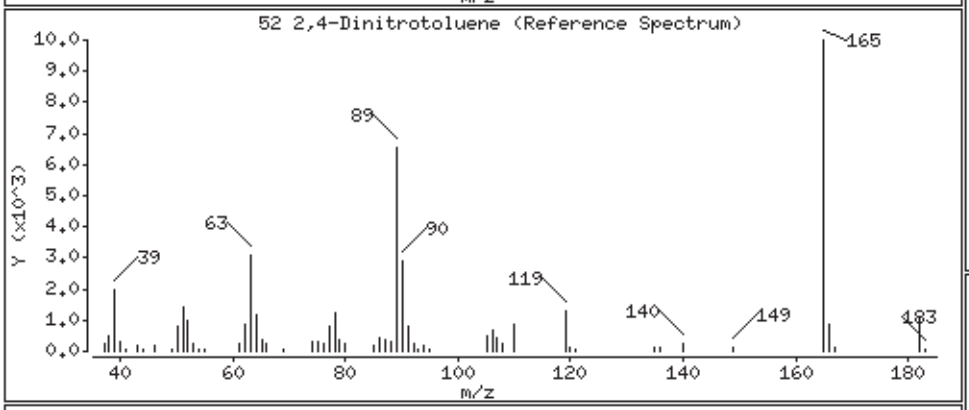
Column diameter: 0.25

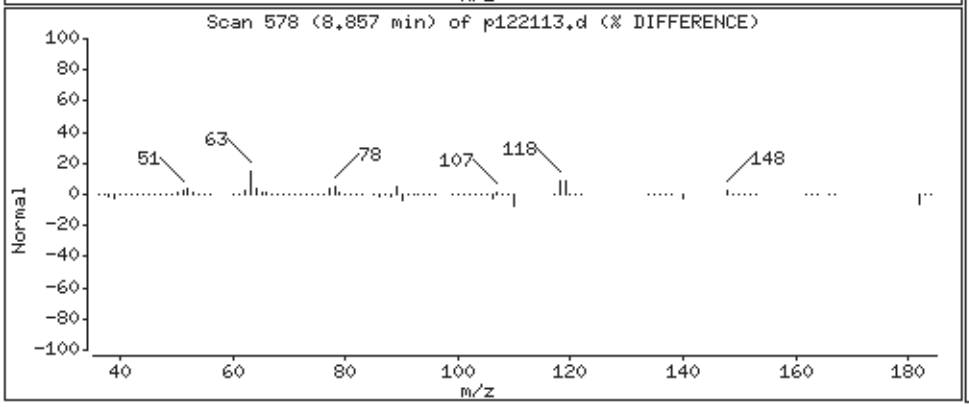
52 2,4-Dinitrotoluene

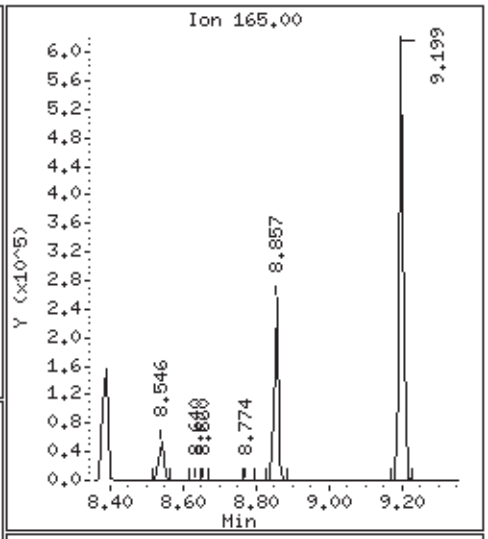
Concentration: 53.71 ug

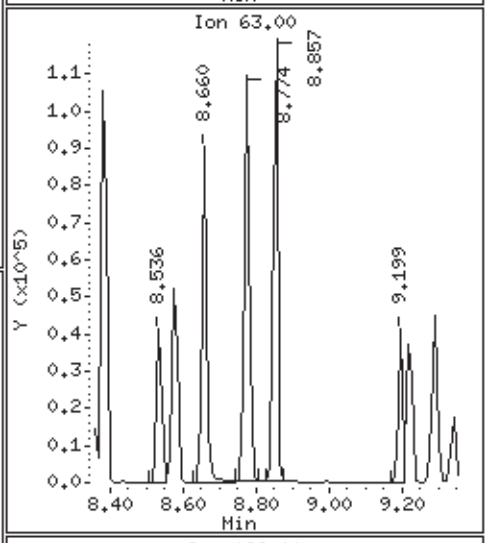


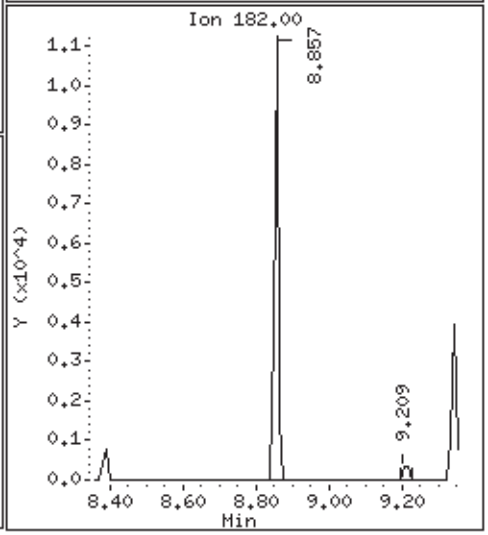












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

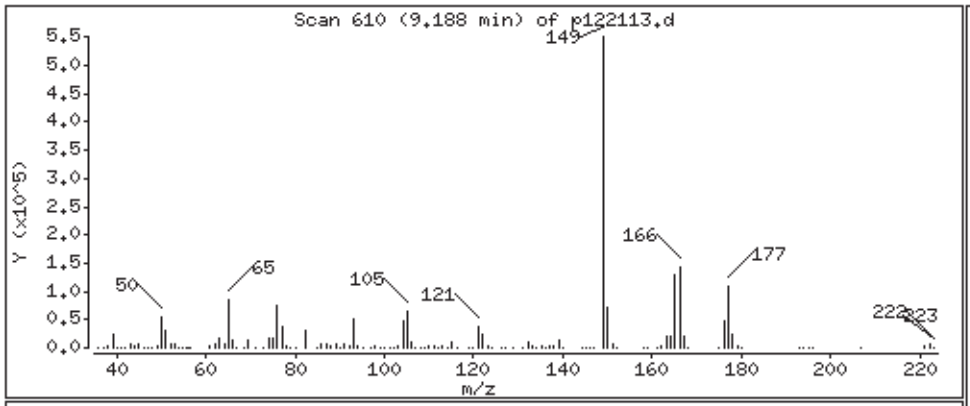
Operator: LP

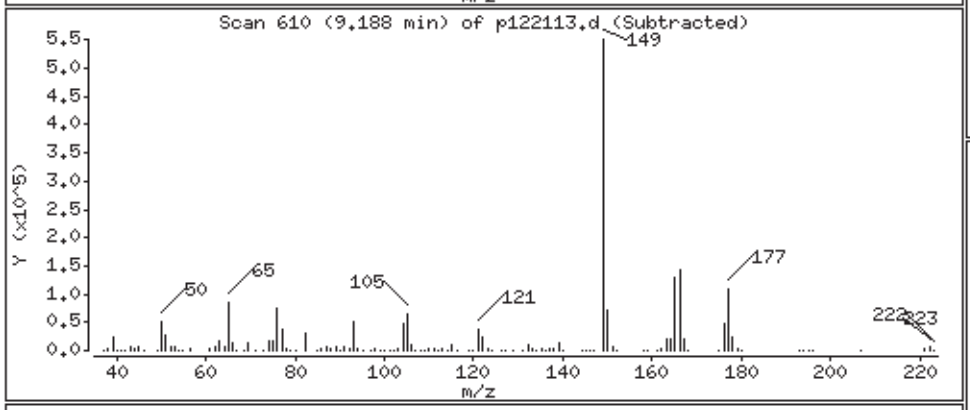
Column phase: DB-5.625

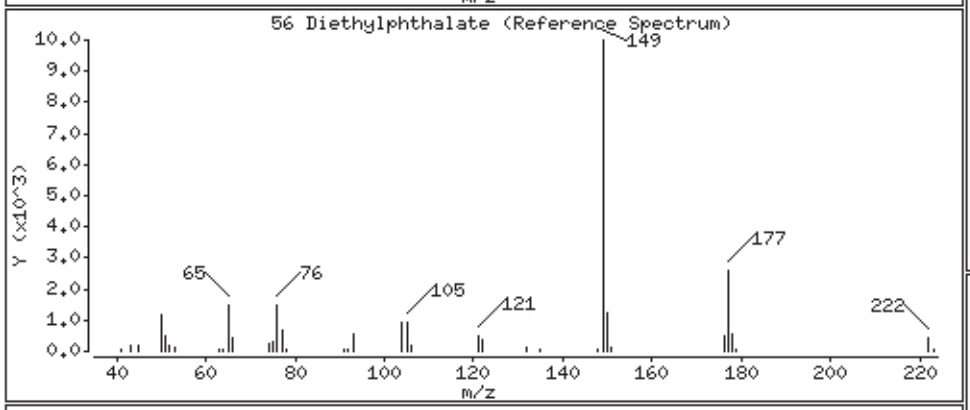
Column diameter: 0.25

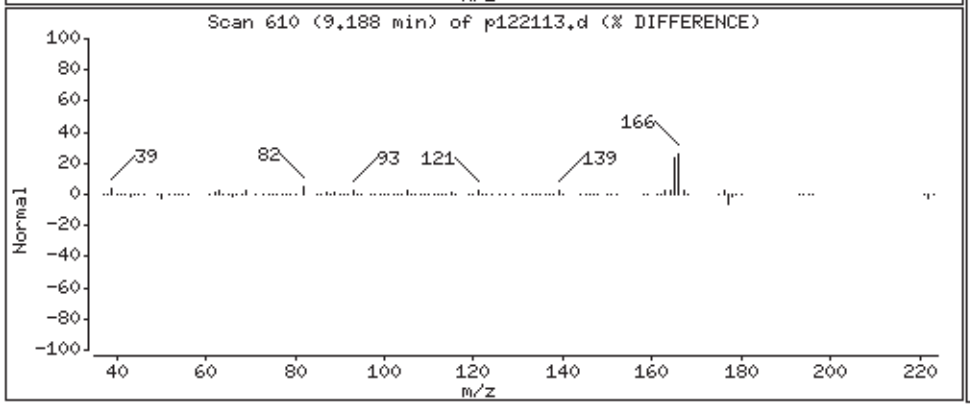
56 Diethylphthalate

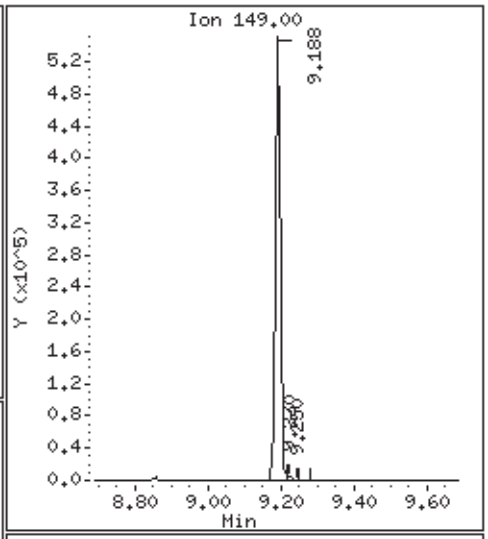
Concentration: 50.47 ug

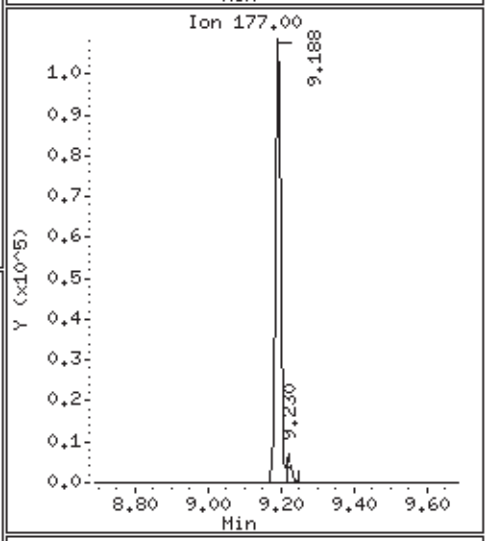


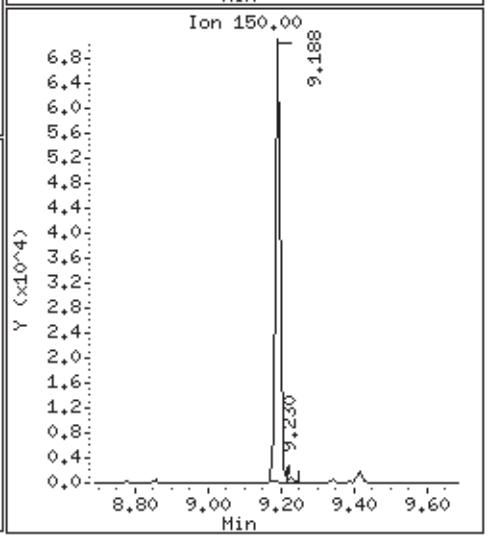












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

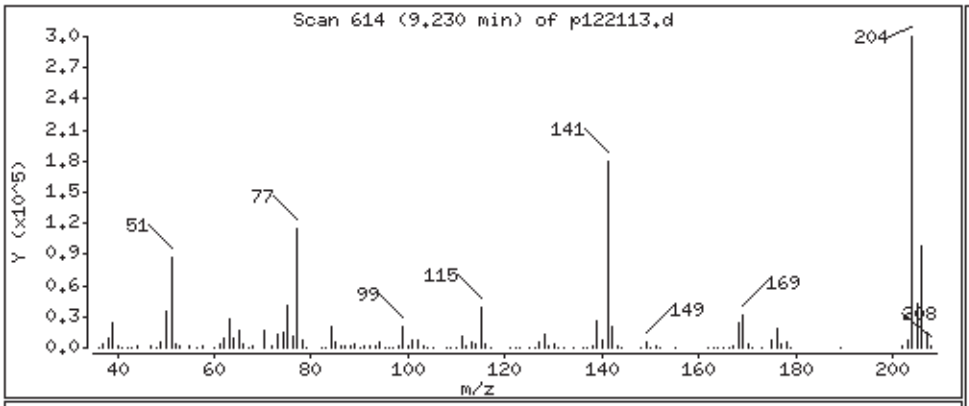
Operator: LP

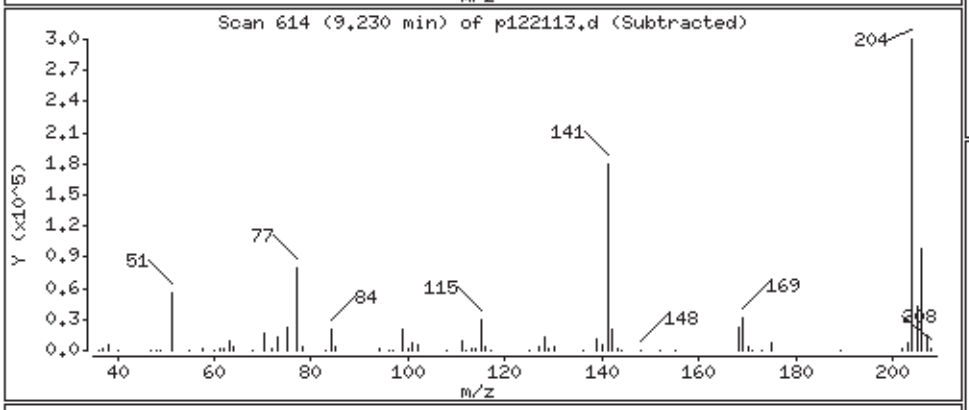
Column phase: DB-5.625

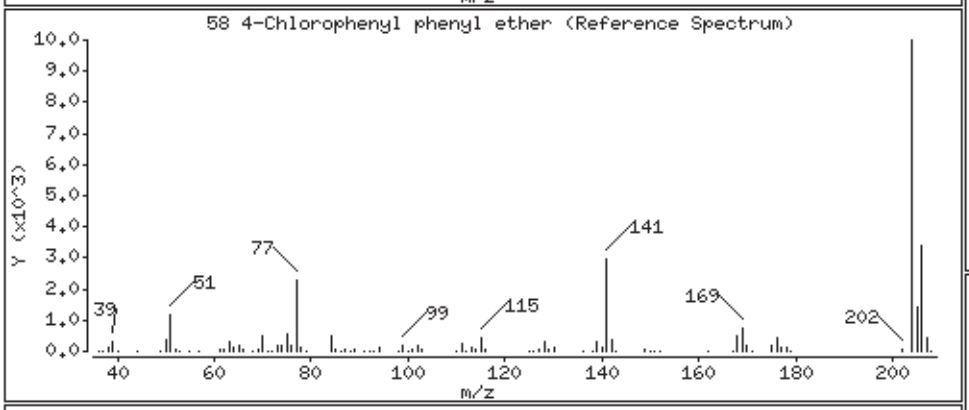
Column diameter: 0.25

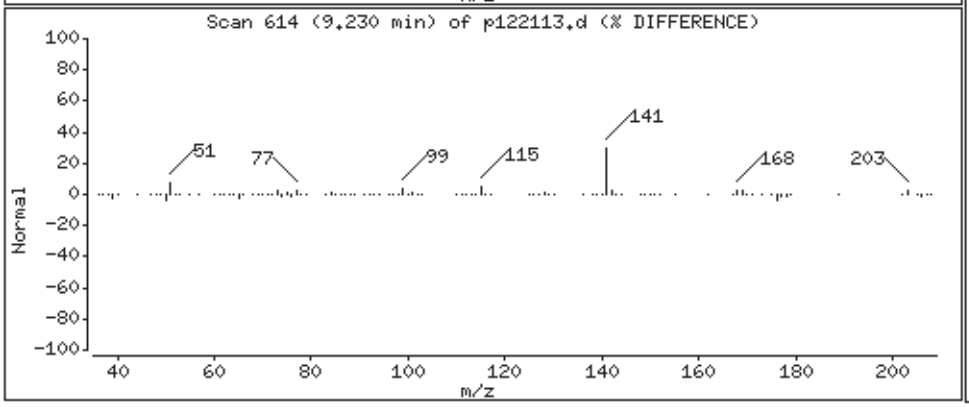
58 4-Chlorophenyl phenyl ether

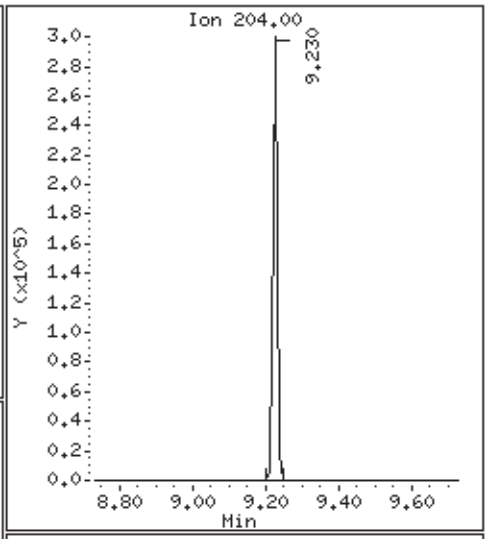
Concentration: 51.25 ug

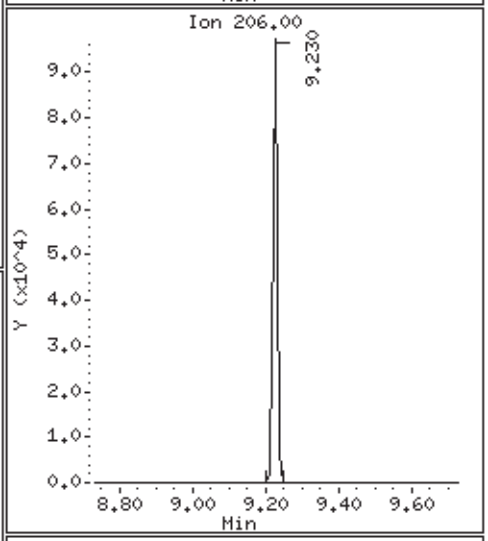


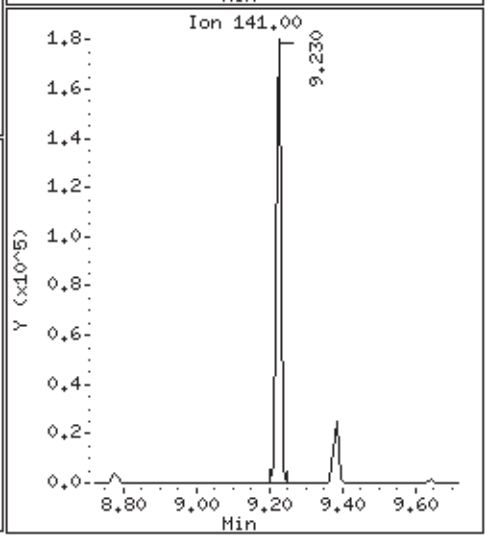












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

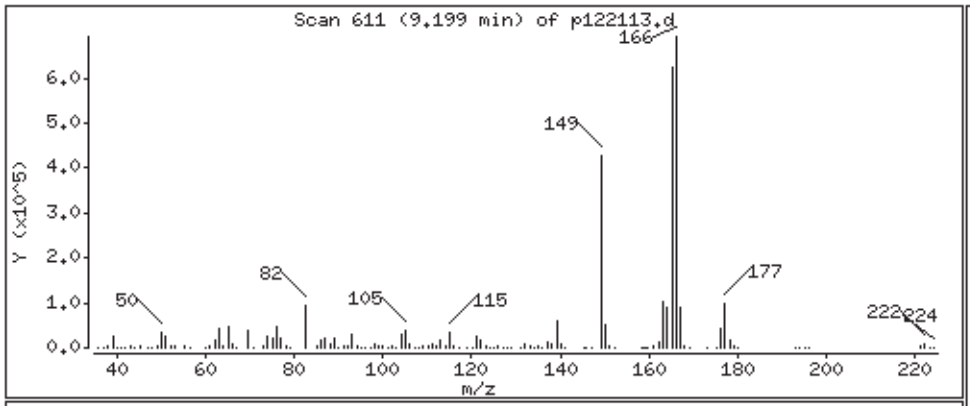
Operator: LP

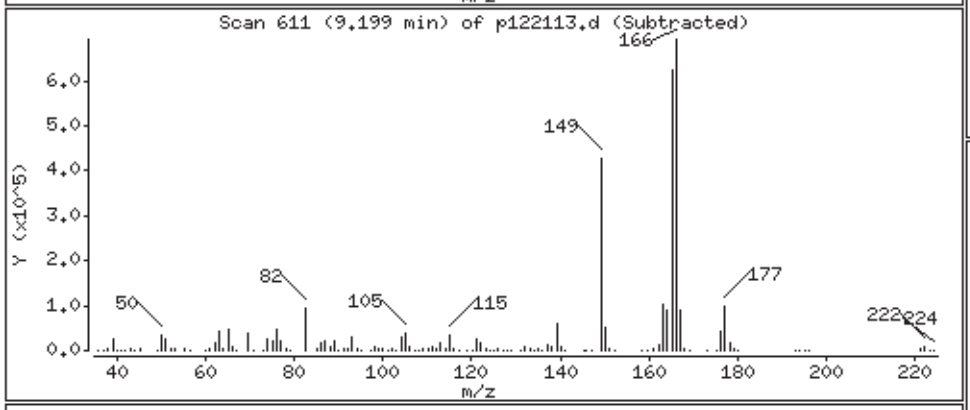
Column phase: DB-5.625

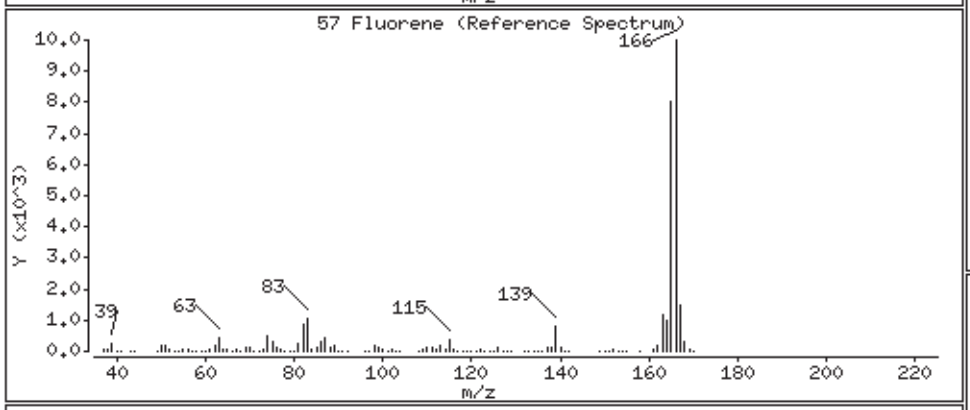
Column diameter: 0.25

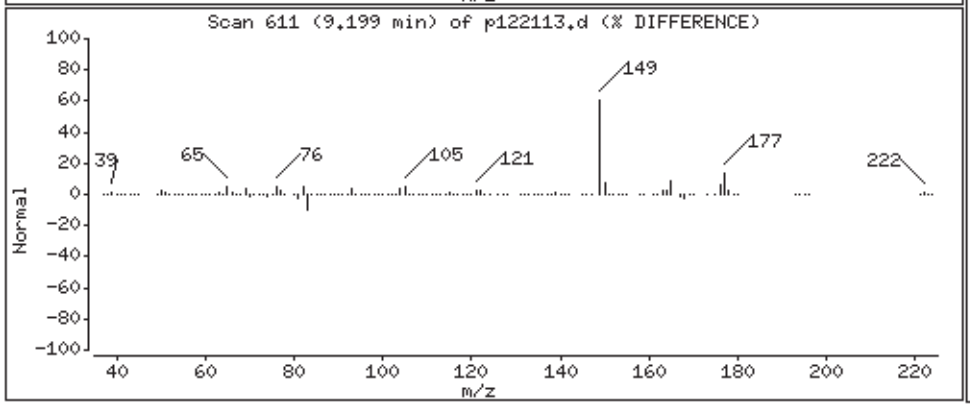
57 Fluorene

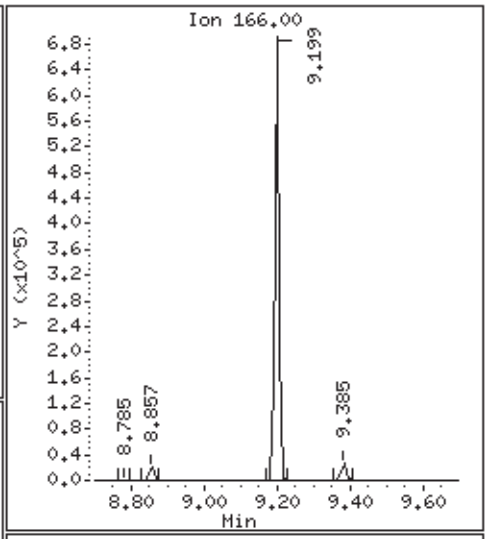
Concentration: 48.80 ug

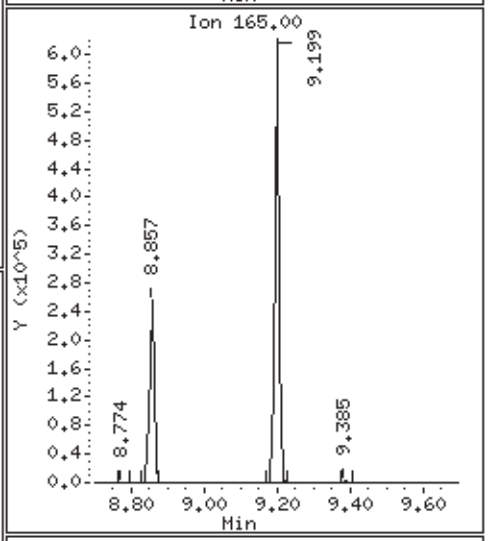


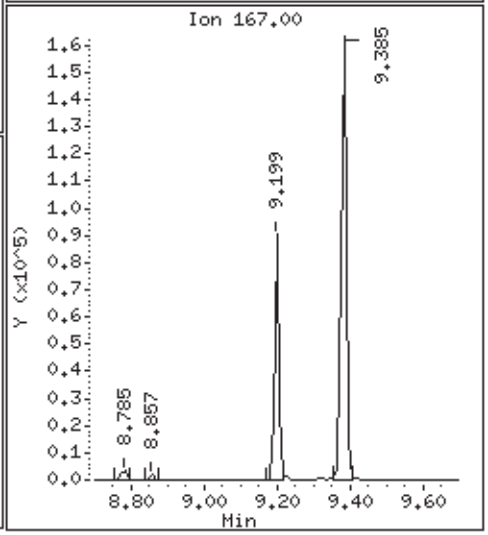












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

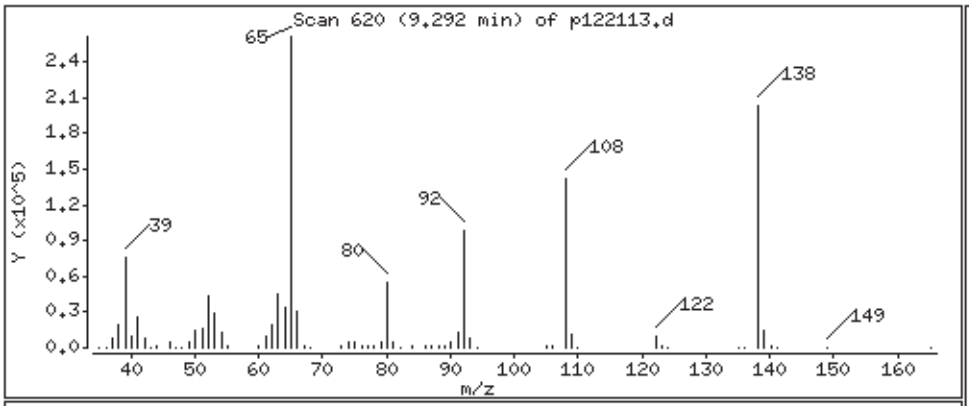
Operator: LP

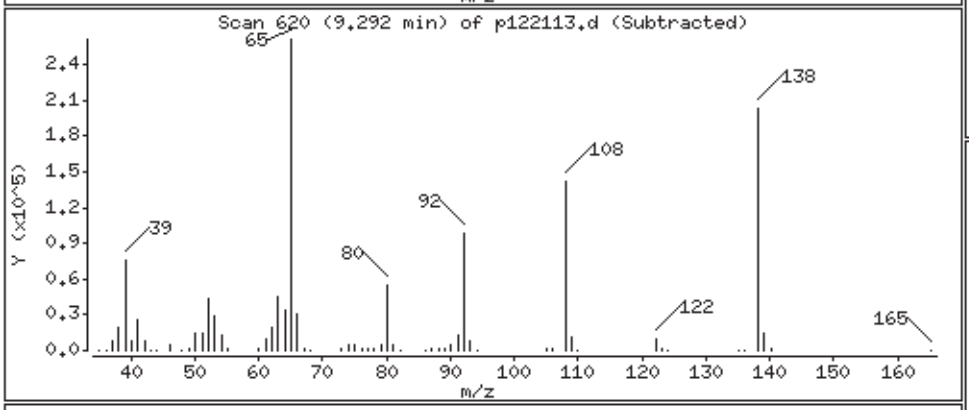
Column phase: DB-5.625

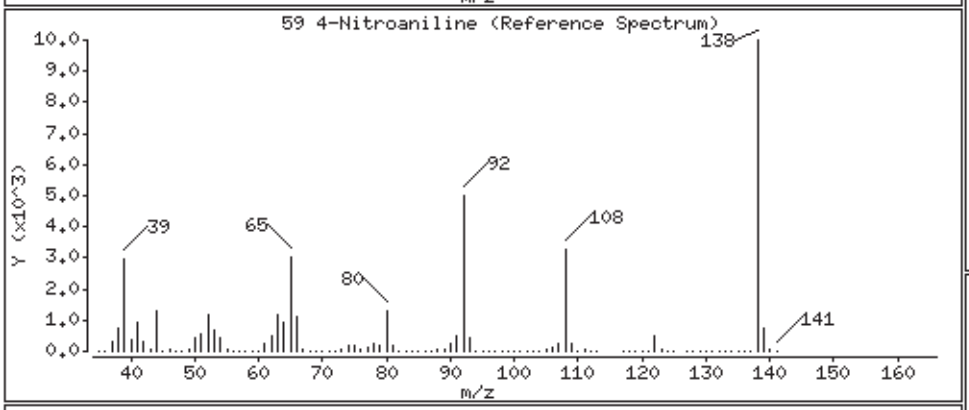
Column diameter: 0.25

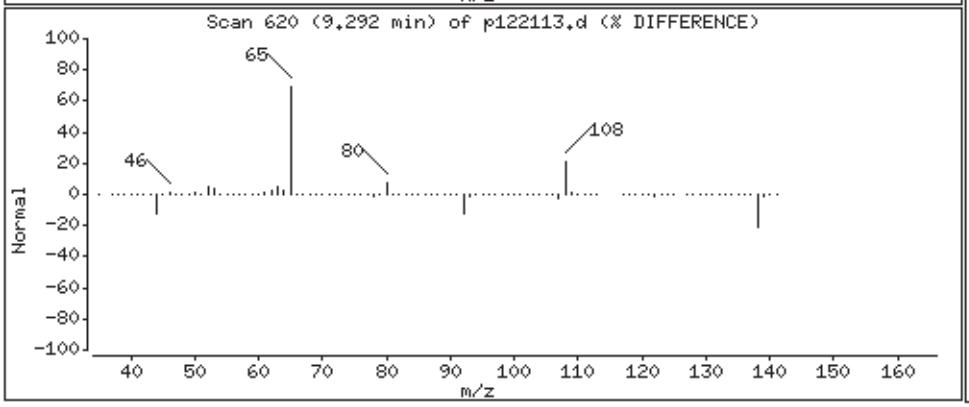
59 4-Nitroaniline

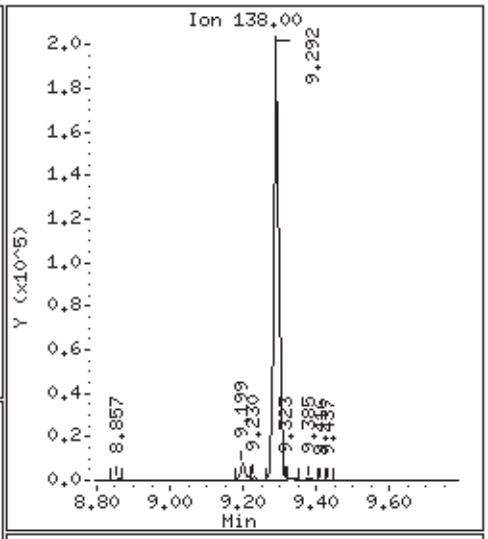
Concentration: 52.61 ug

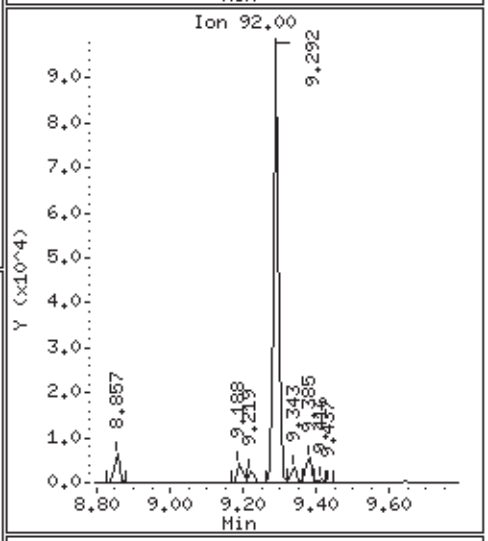


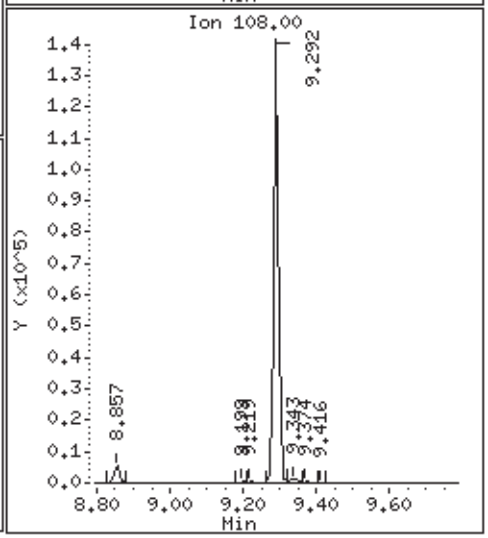












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

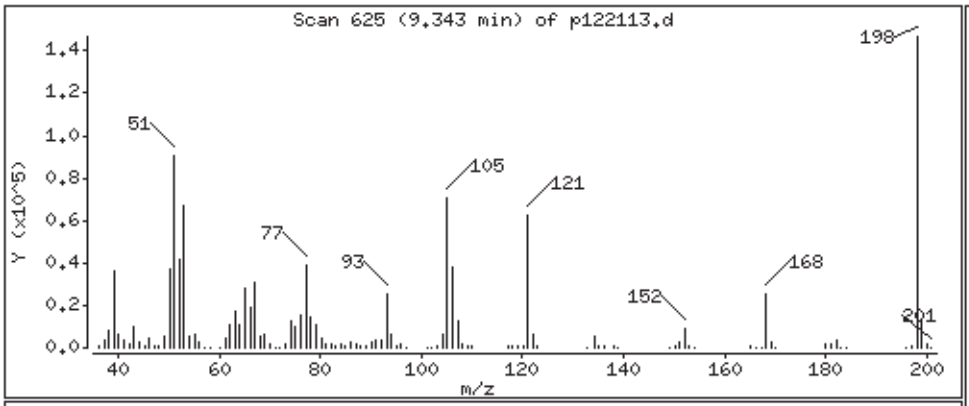
Operator: LP

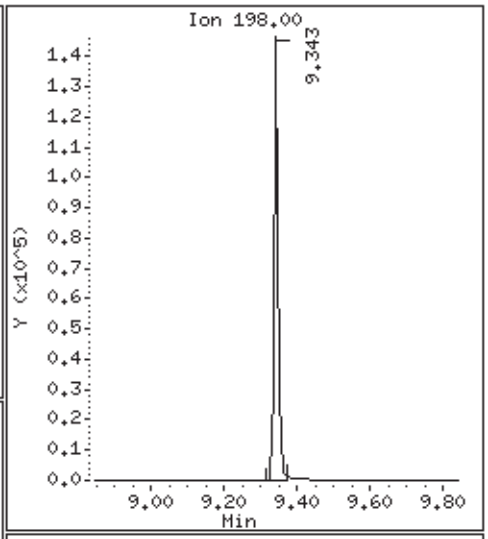
Column phase: DB-5.625

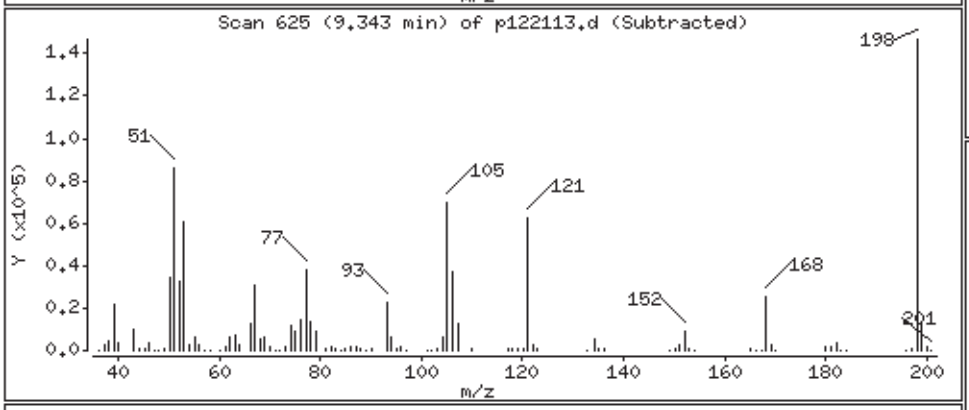
Column diameter: 0.25

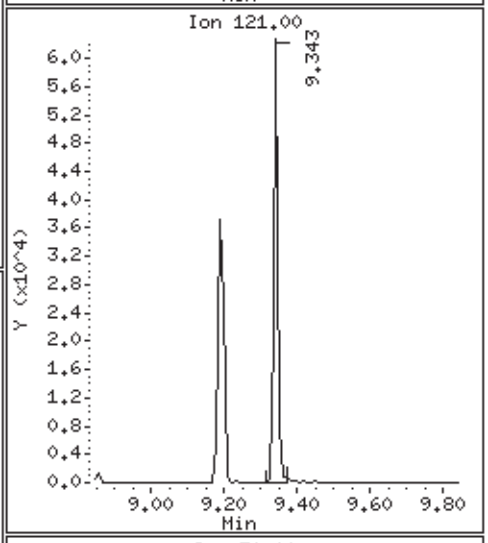
60 4,6-Dinitro-2-methylphenol

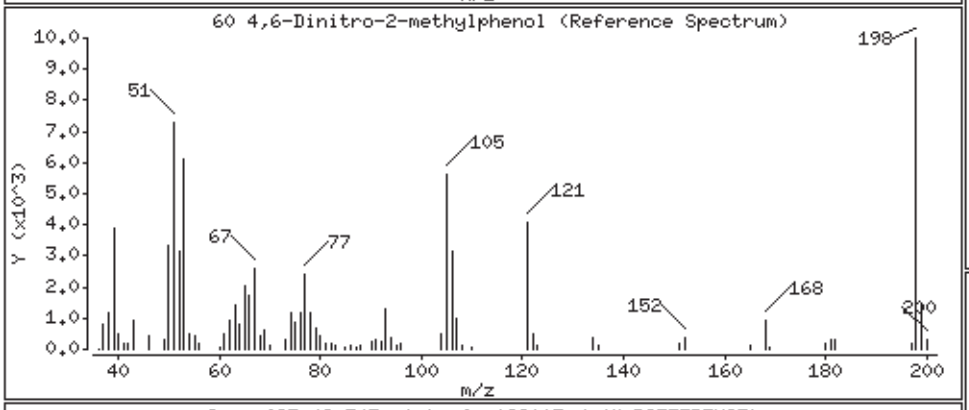
Concentration: 55.31 ug

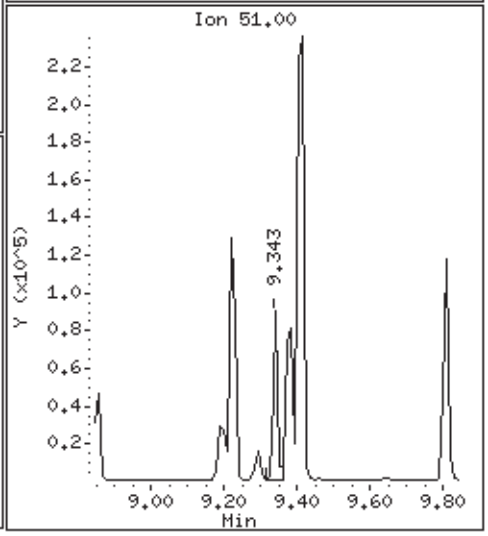


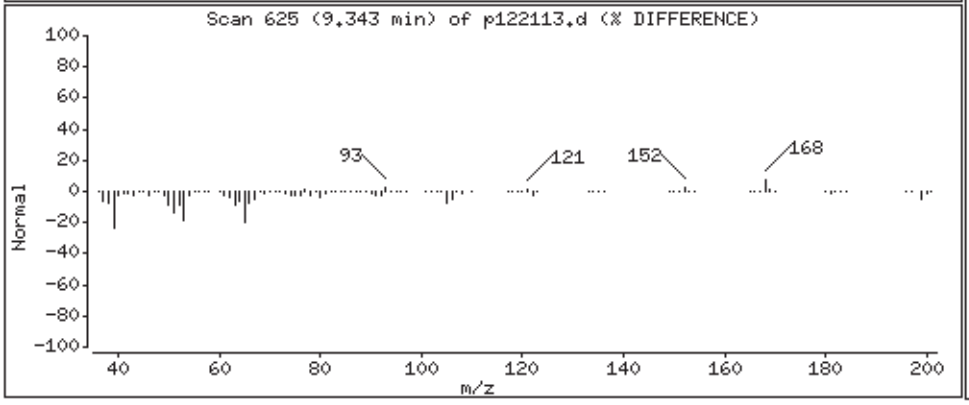












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

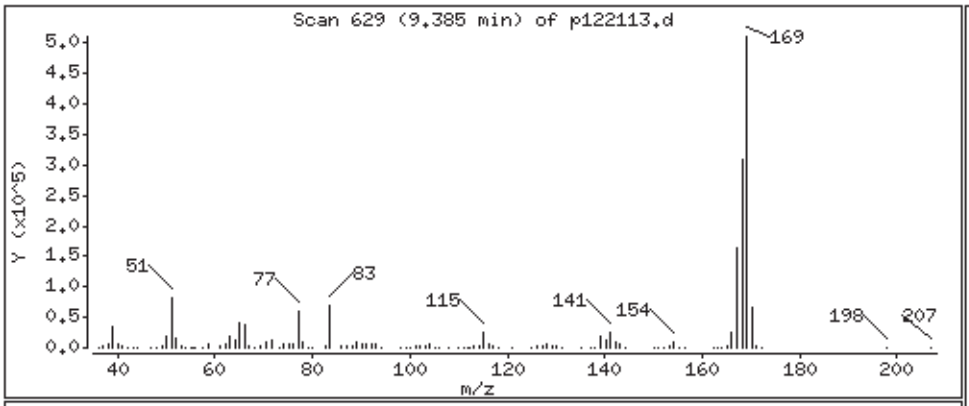
Operator: LP

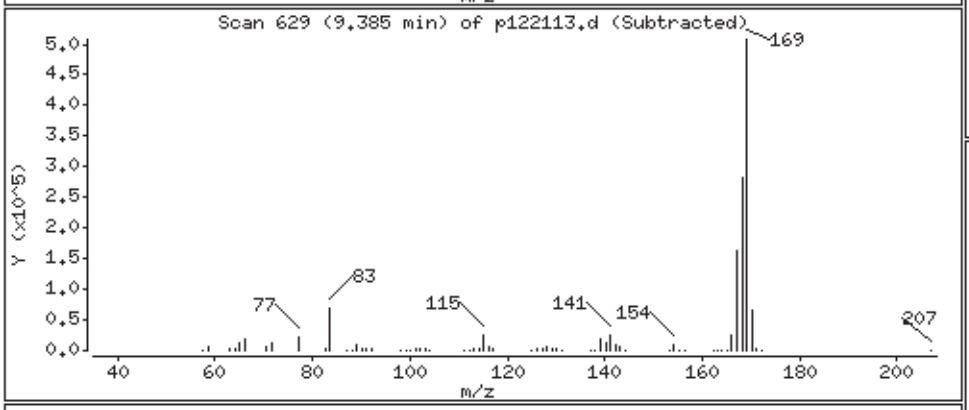
Column phase: DB-5.625

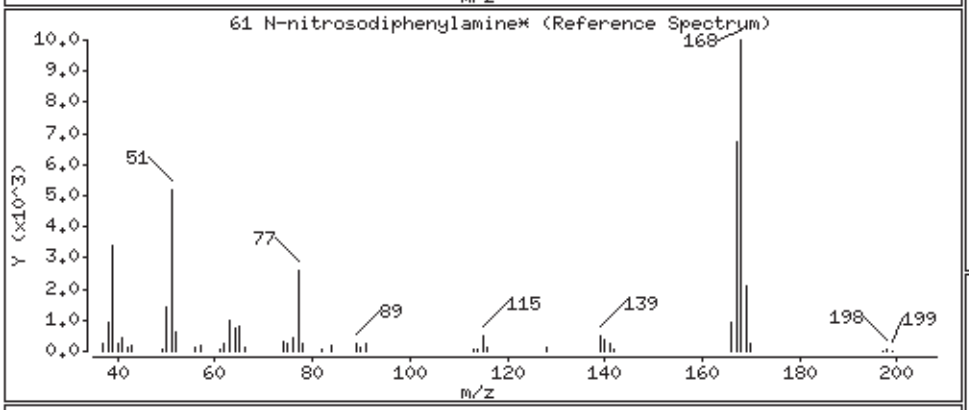
Column diameter: 0.25

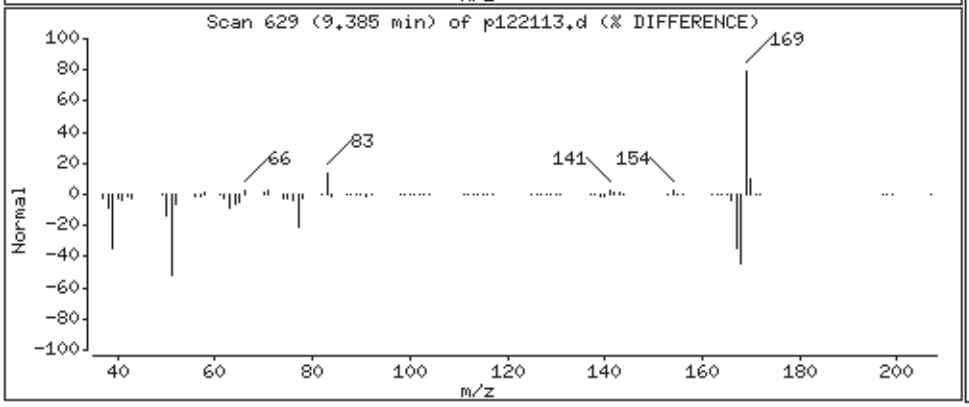
61 N-nitrosodiphenylamine*

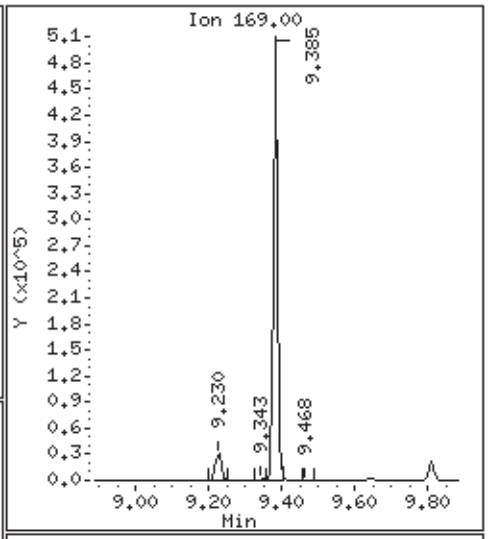
Concentration: 43.28 ug

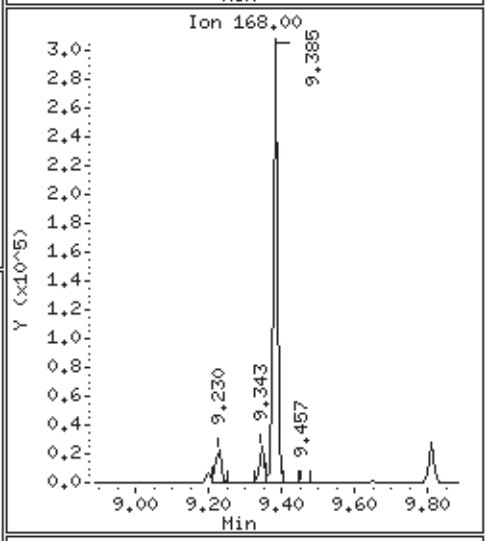


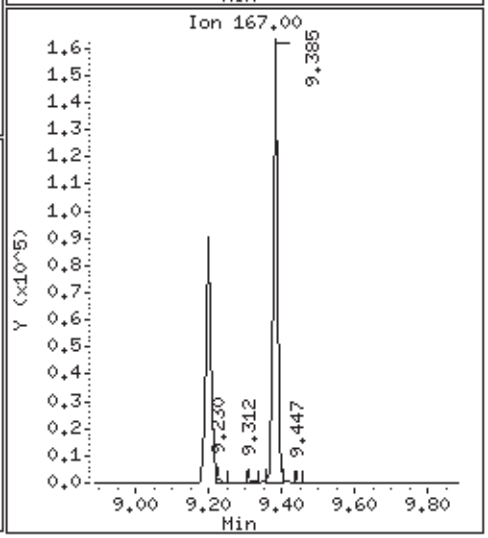












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

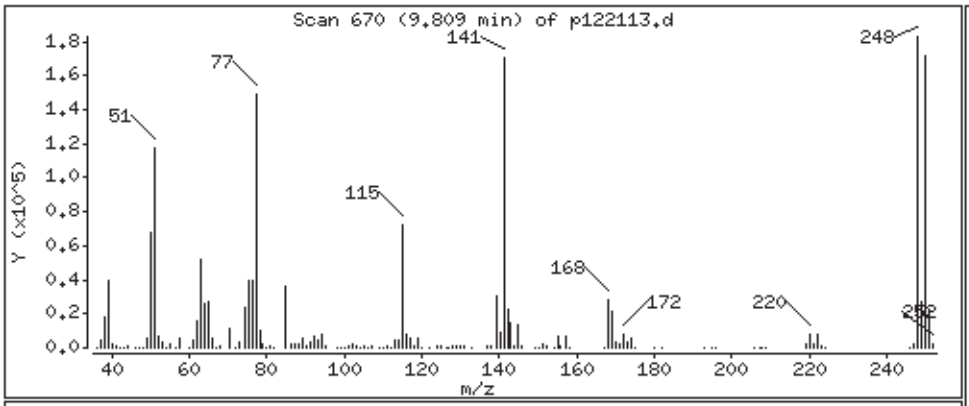
Operator: LP

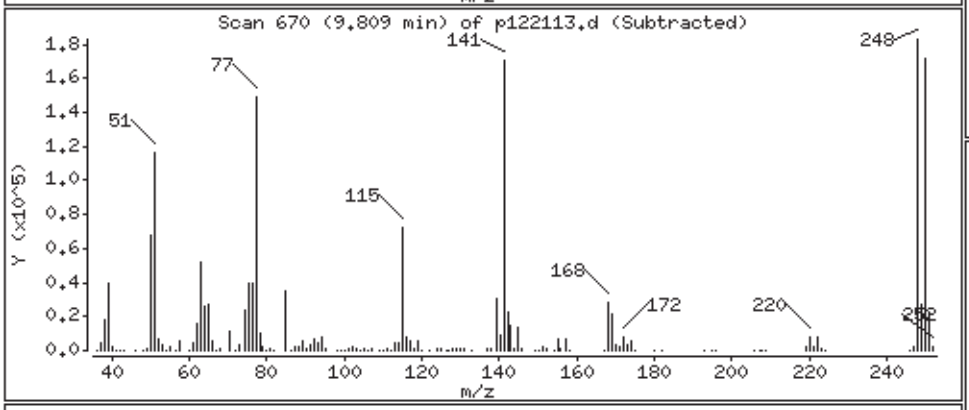
Column phase: DB-5.625

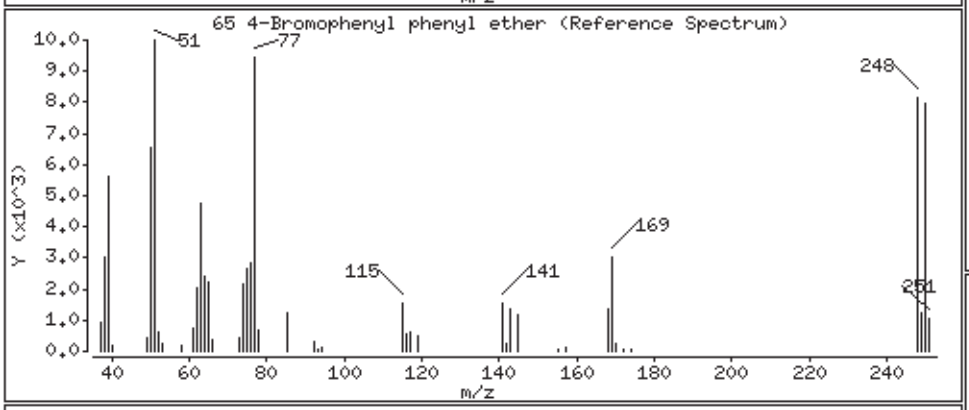
Column diameter: 0.25

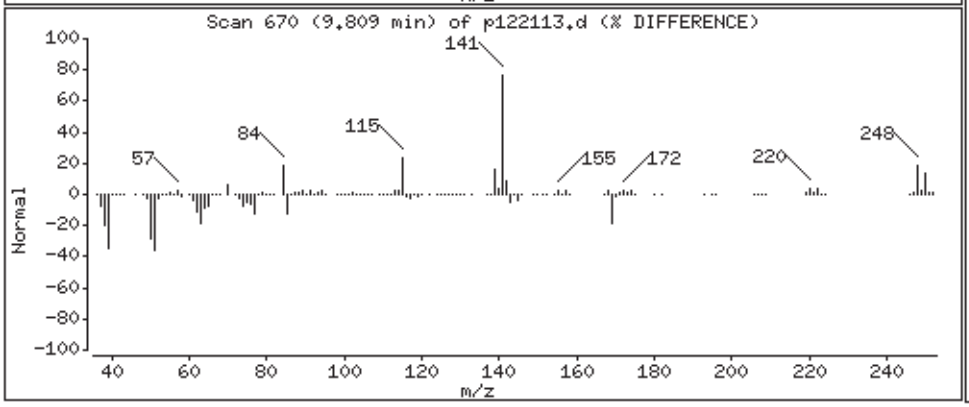
65 4-Bromophenyl phenyl ether

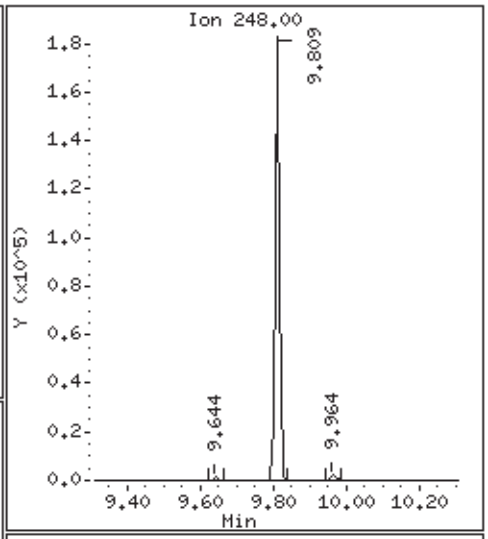
Concentration: 51.29 ug

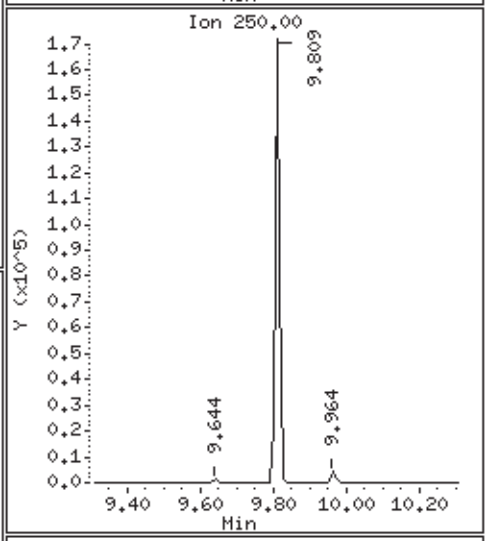


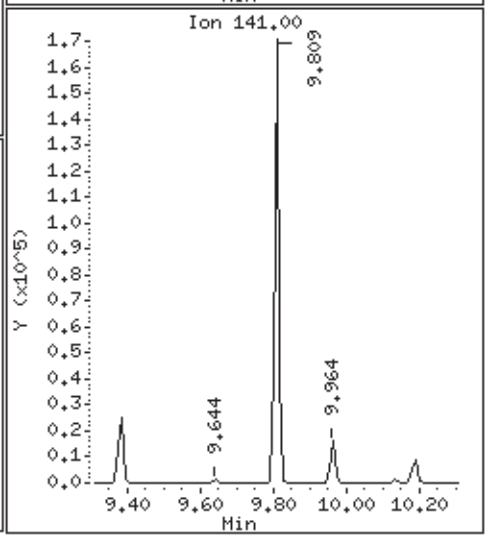












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

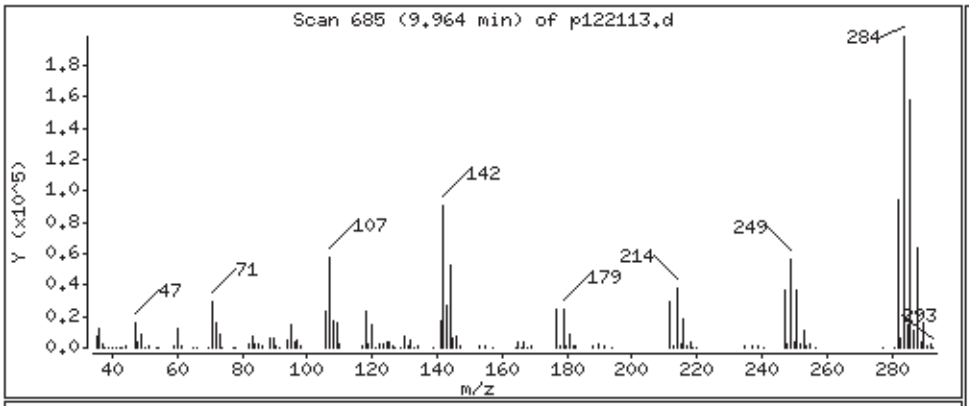
Operator: LP

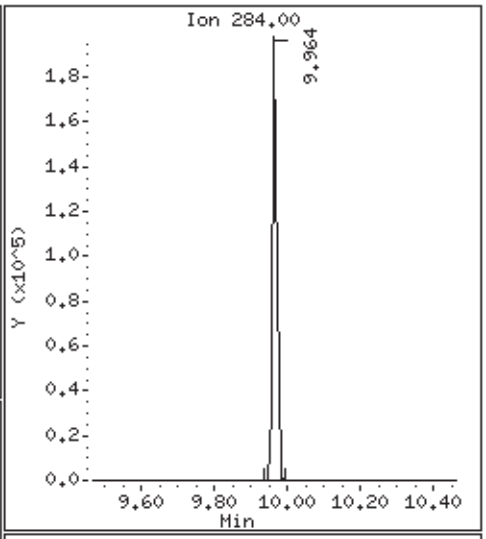
Column phase: DB-5.625

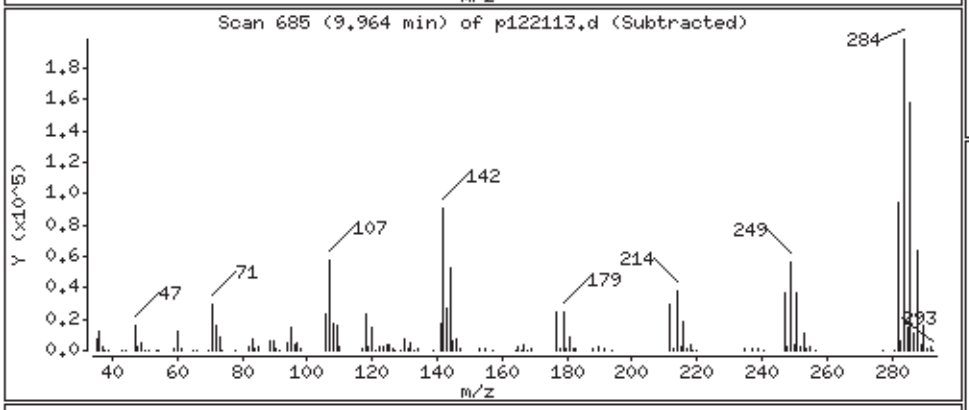
Column diameter: 0.25

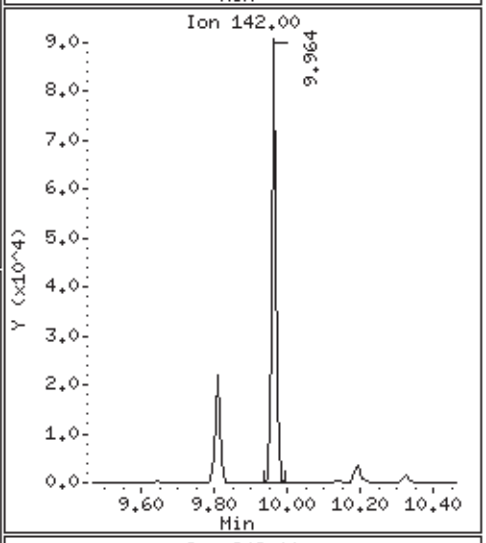
66 Hexachlorobenzene

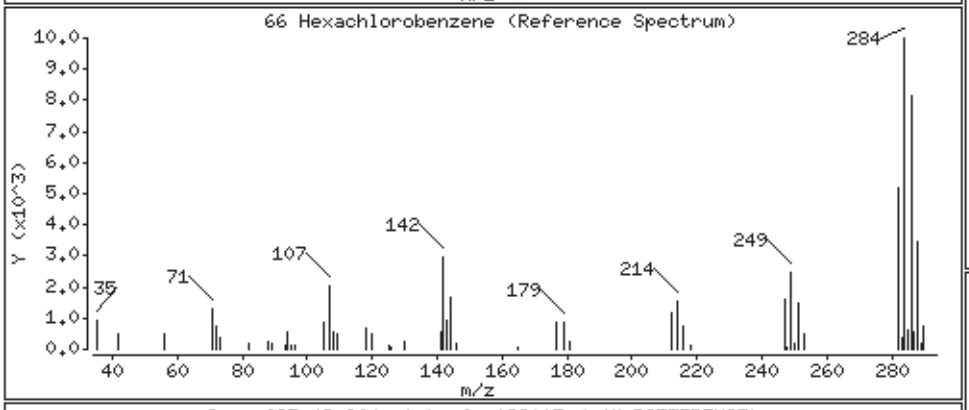
Concentration: 49.85 ug

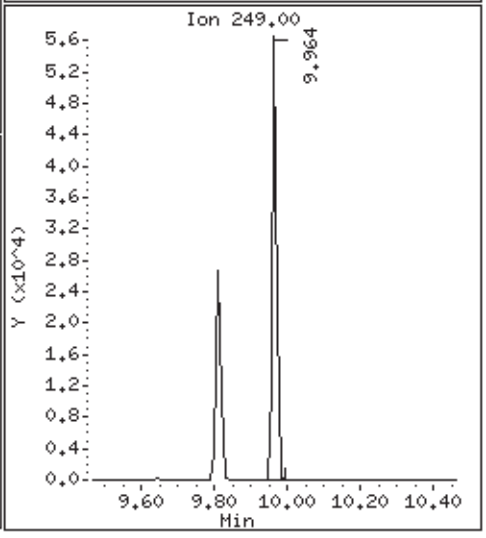


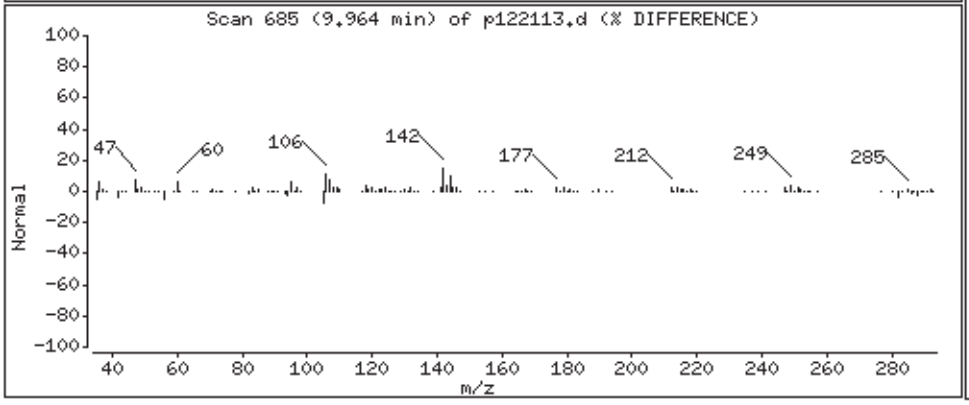












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

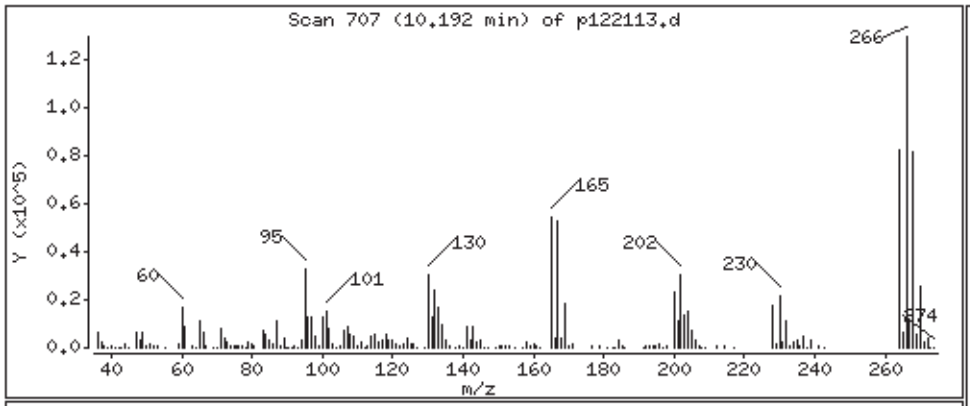
Operator: LP

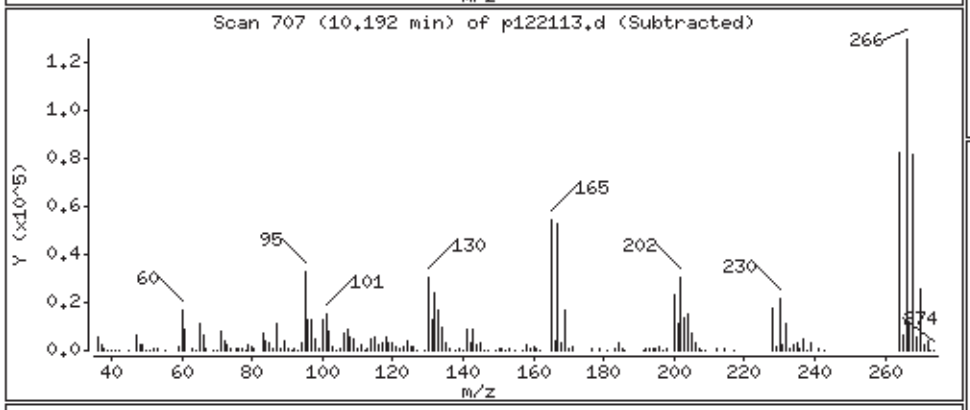
Column phase: DB-5.625

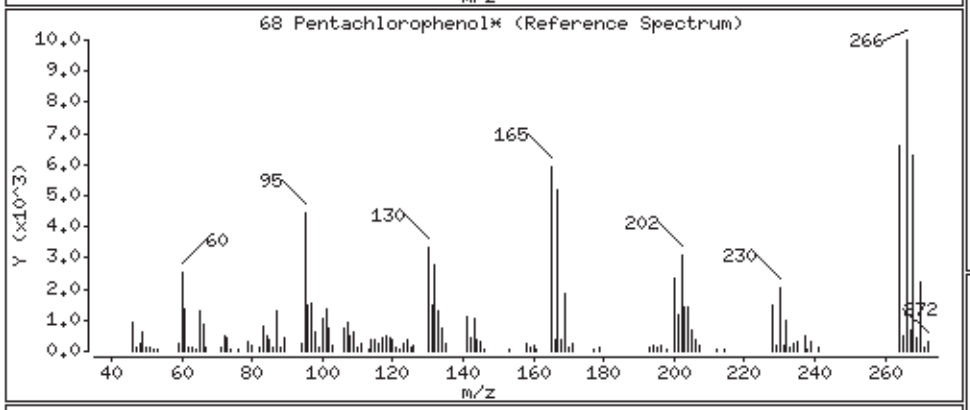
Column diameter: 0.25

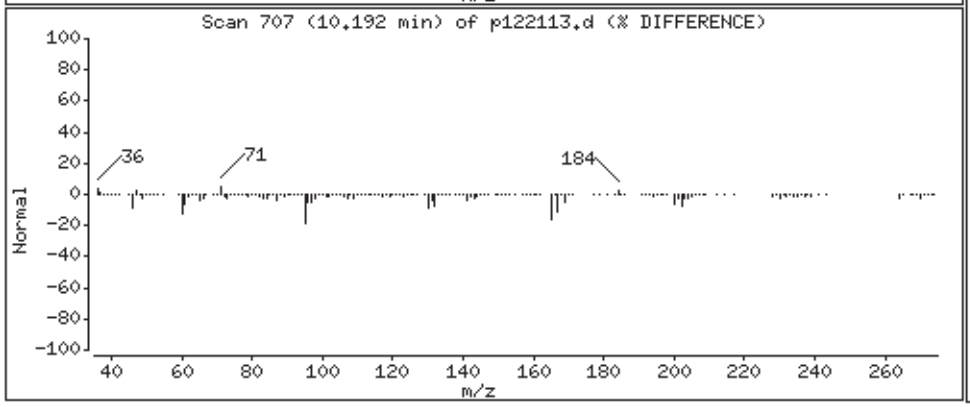
68 Pentachlorophenol*

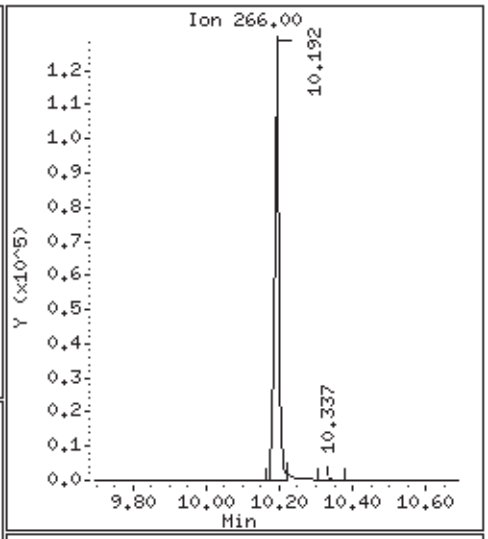
Concentration: 53.45 ug

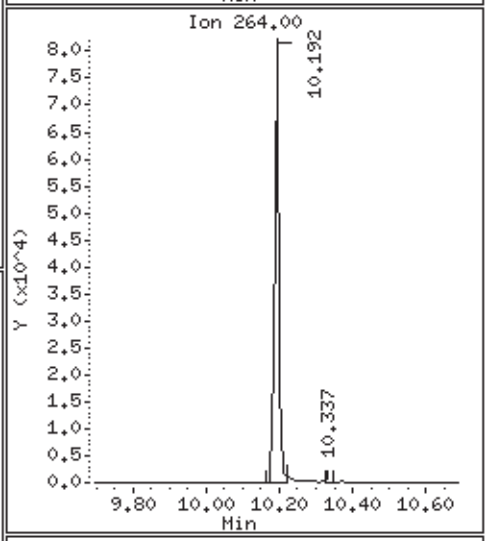


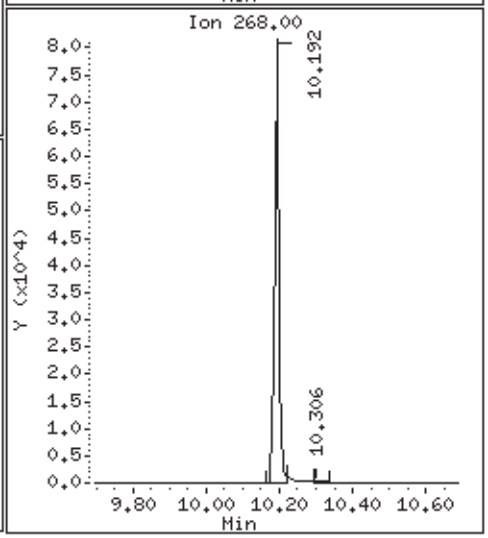












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

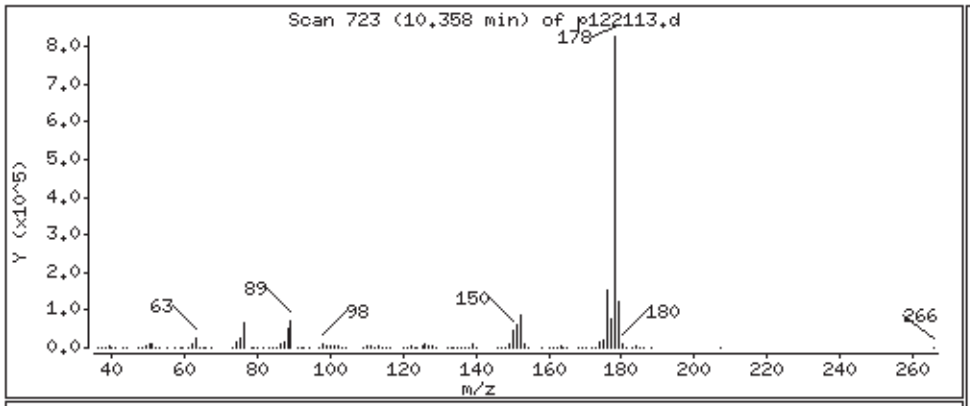
Operator: LP

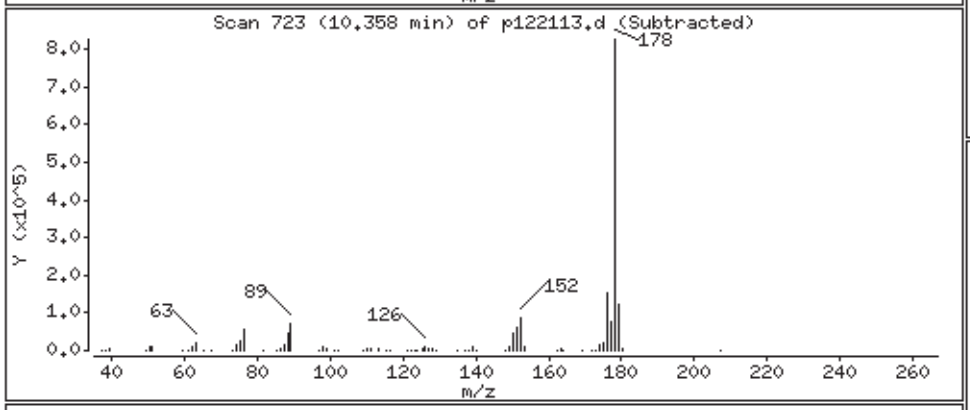
Column phase: DB-5.625

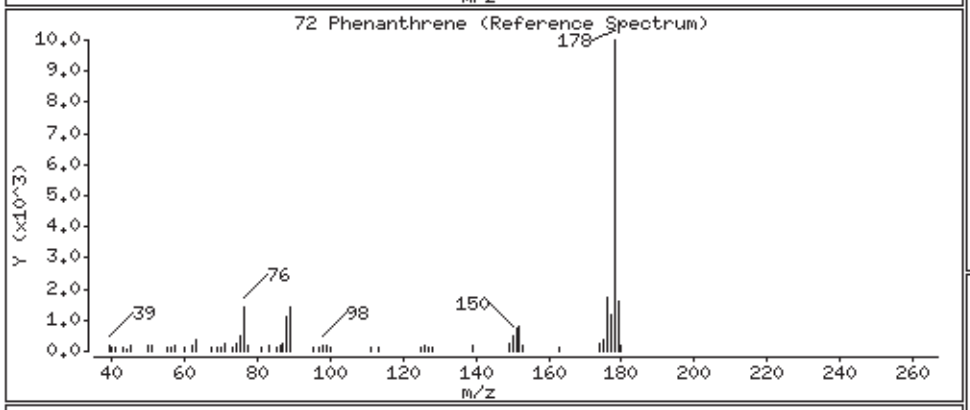
Column diameter: 0.25

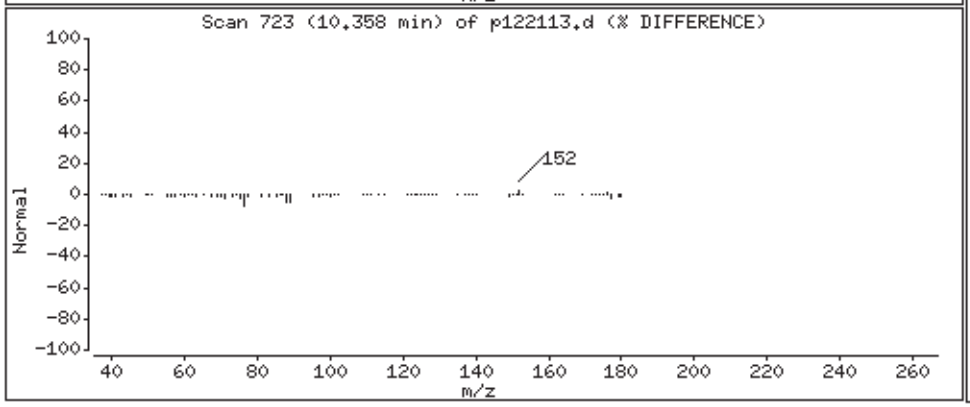
72 Phenanthrene

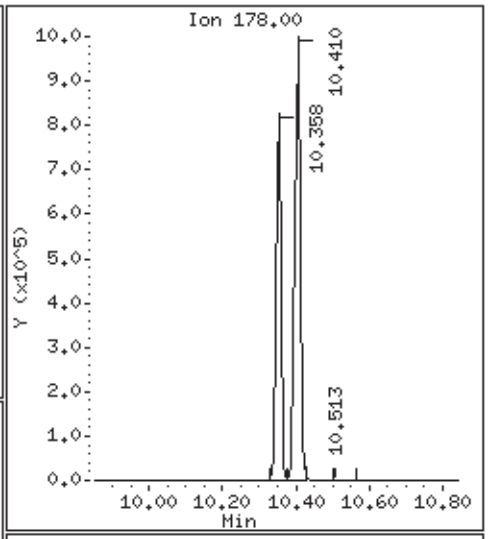
Concentration: 50.93 ug

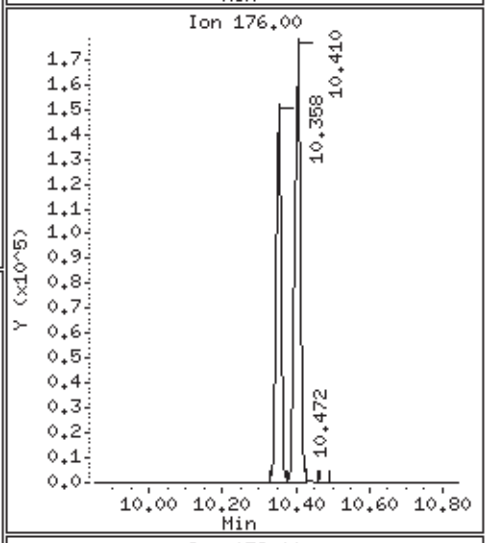


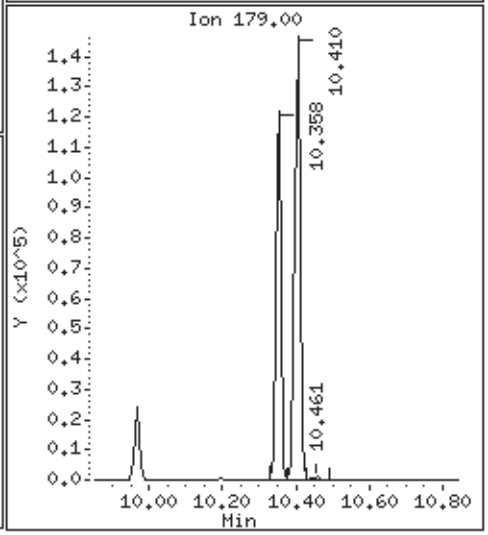












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

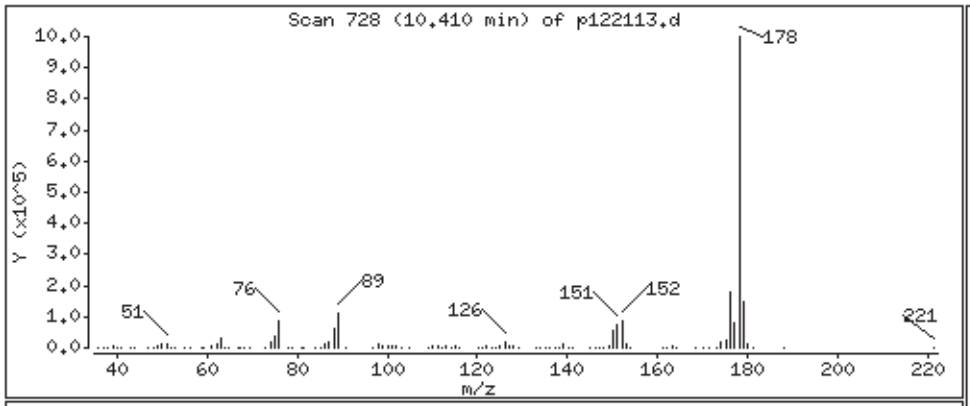
Operator: LP

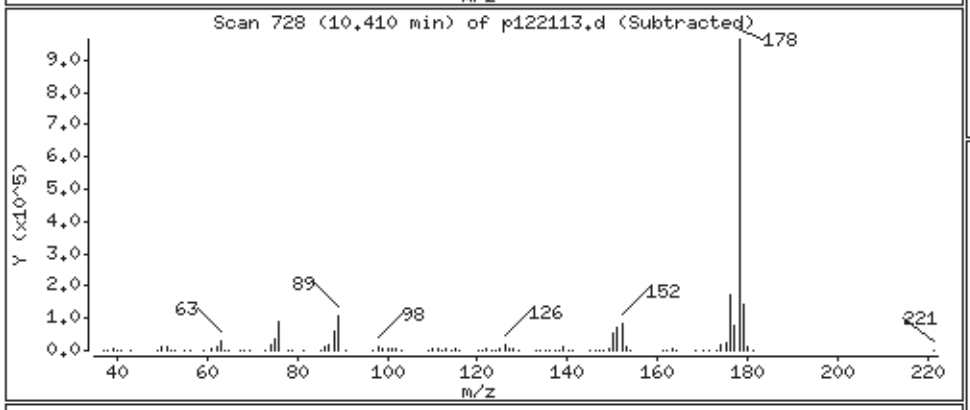
Column phase: DB-5.625

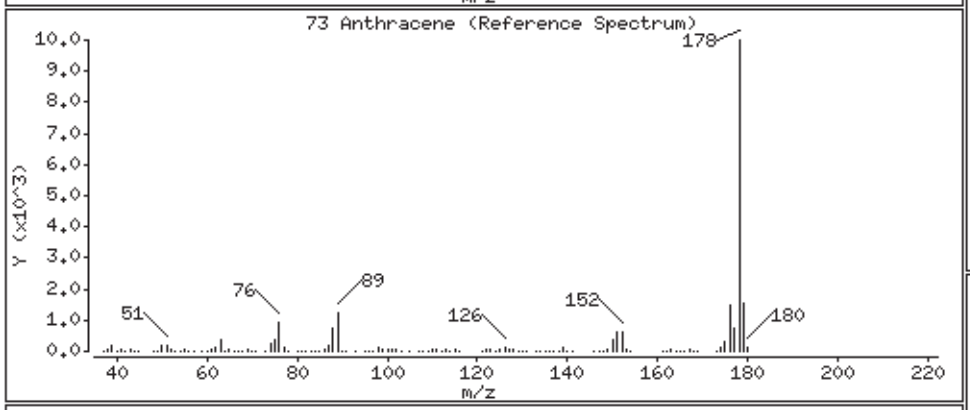
Column diameter: 0.25

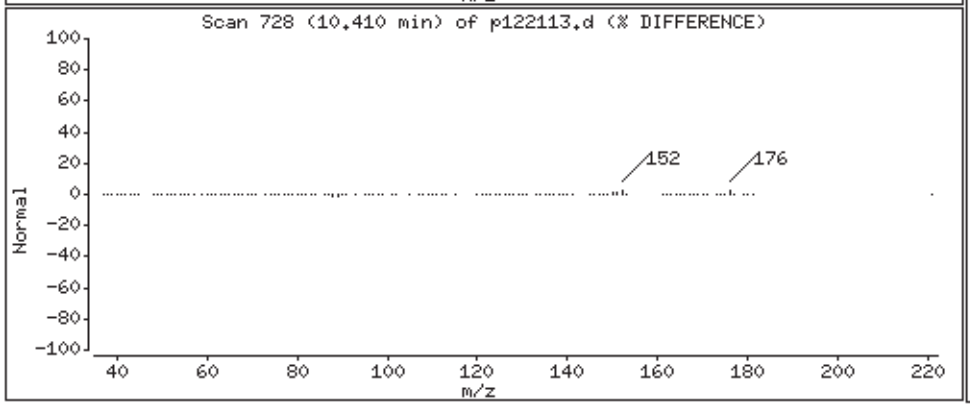
73 Anthracene

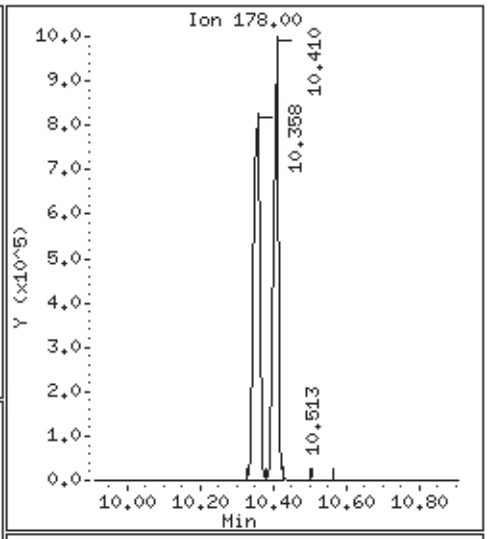
Concentration: 54.97 ug

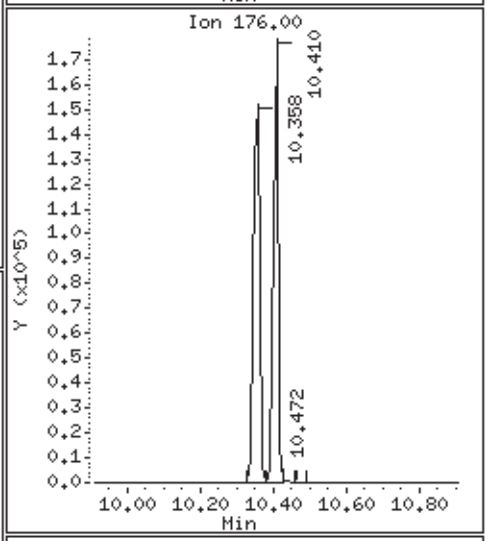


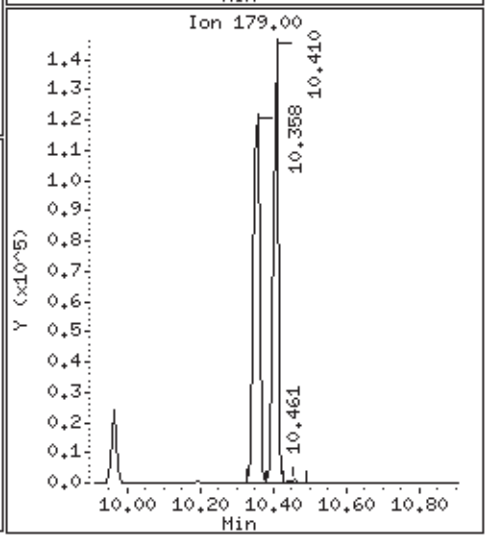












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

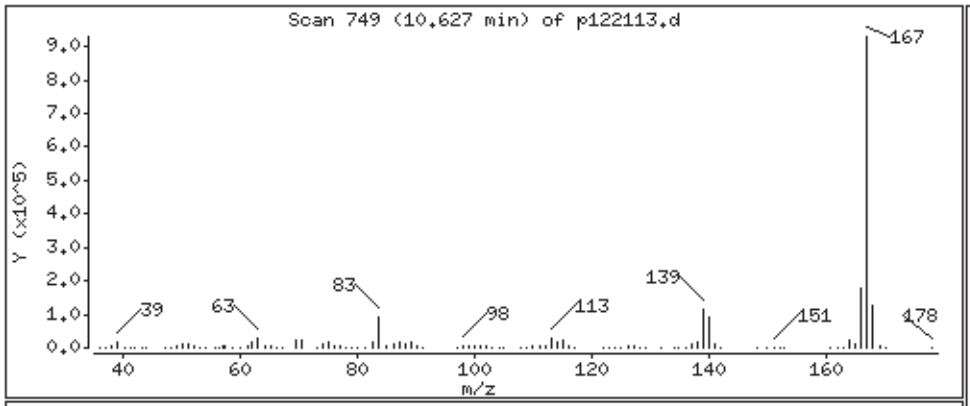
Operator: LP

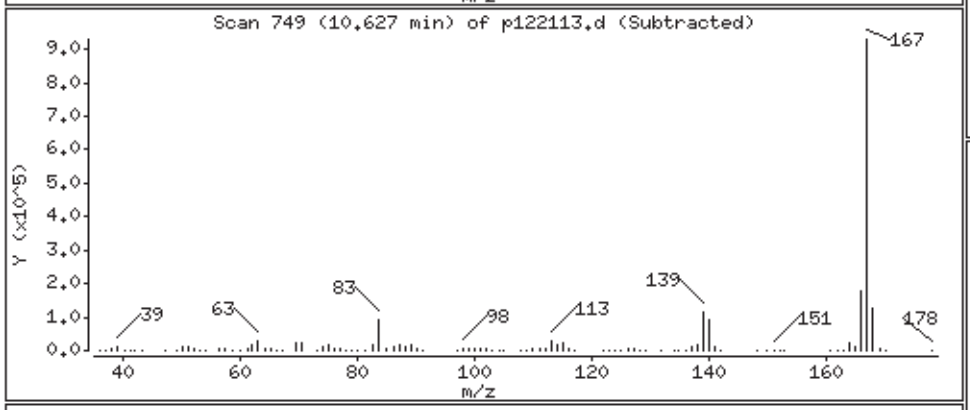
Column phase: DB-5.625

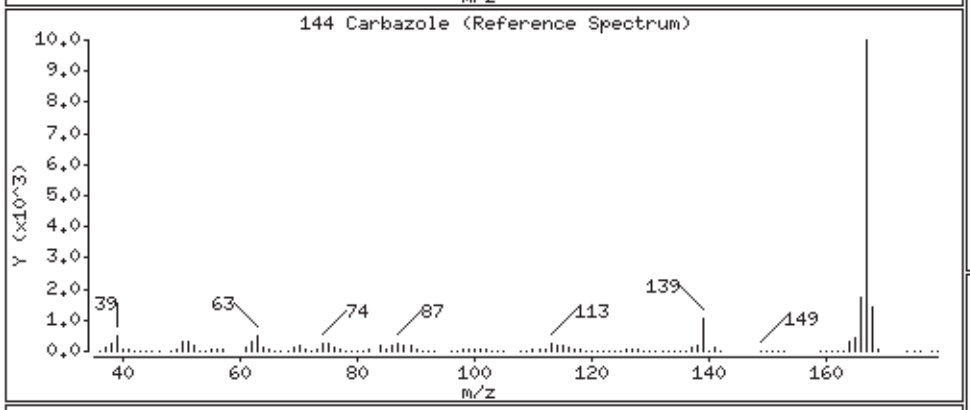
Column diameter: 0.25

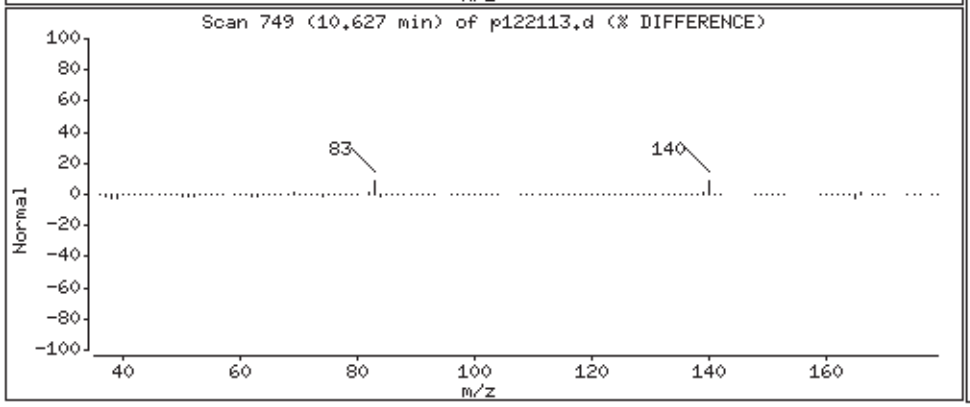
144 Carbazole

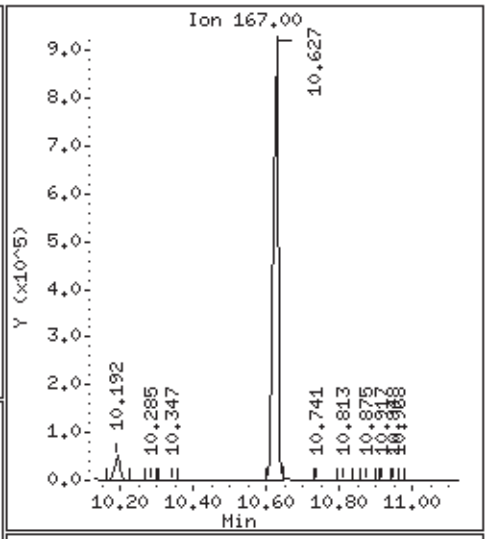
Concentration: 53.20 ug

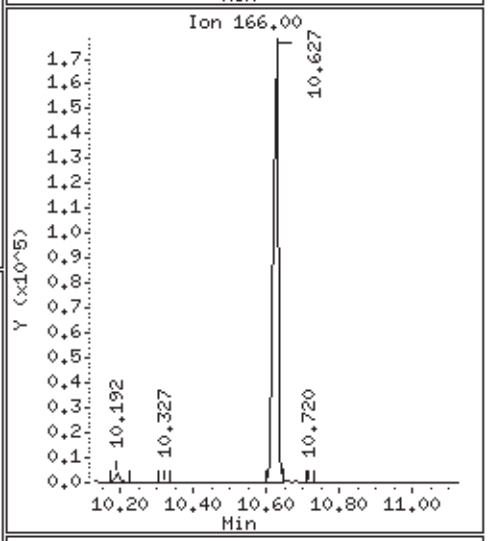


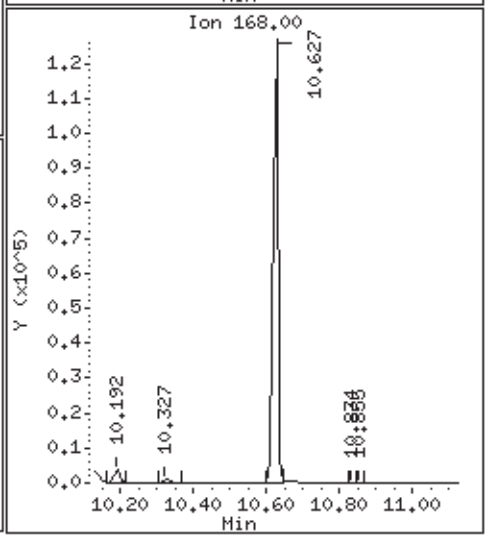












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

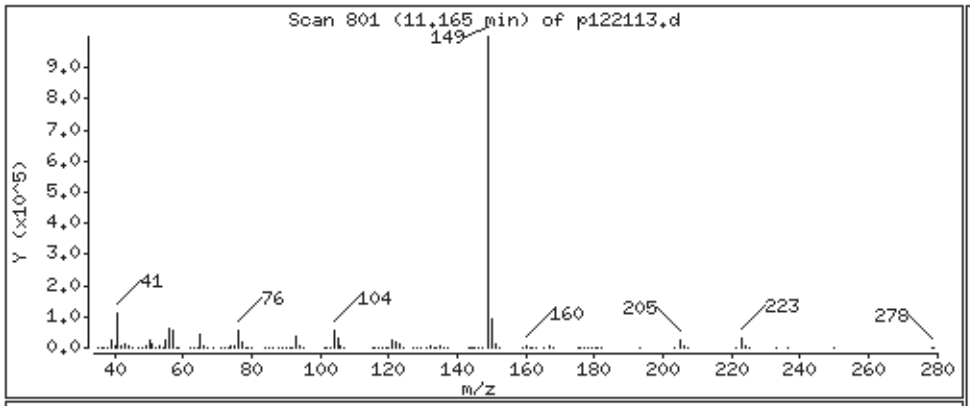
Operator: LP

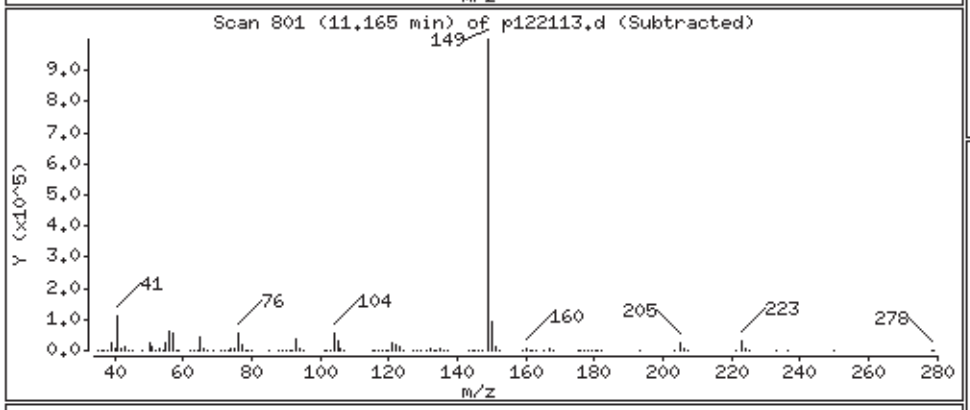
Column phase: DB-5.625

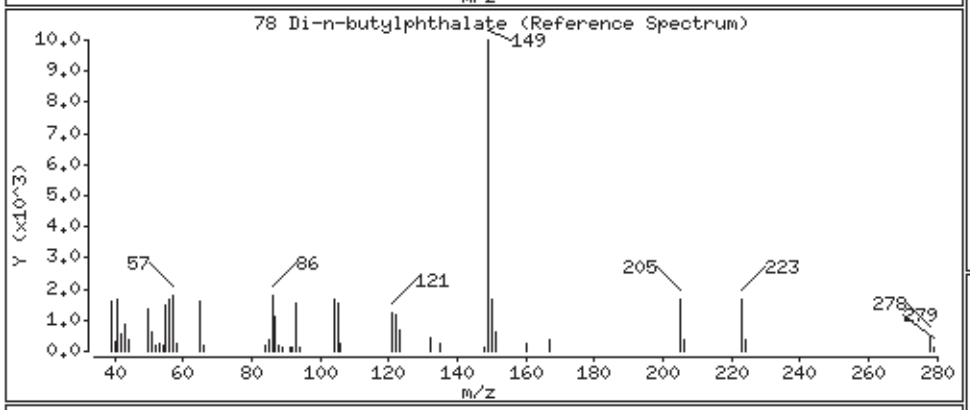
Column diameter: 0.25

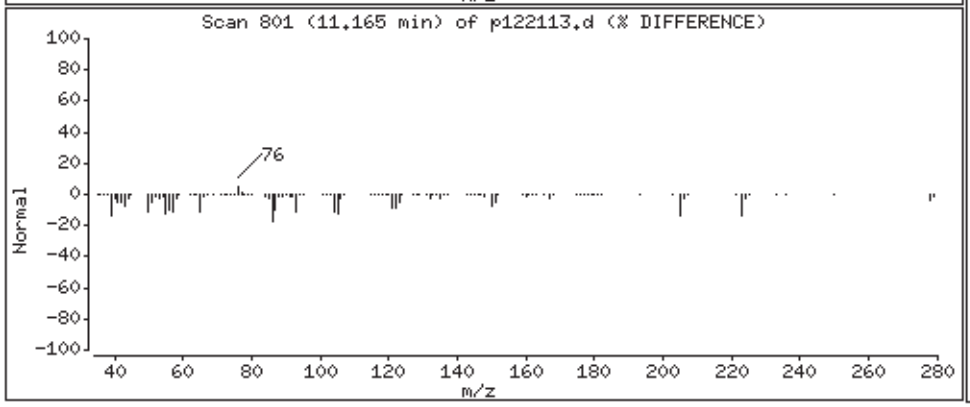
78 Di-n-butylphthalate

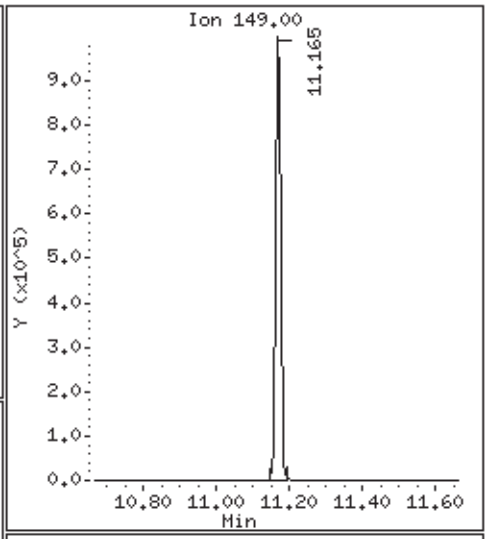
Concentration: 55.15 ug

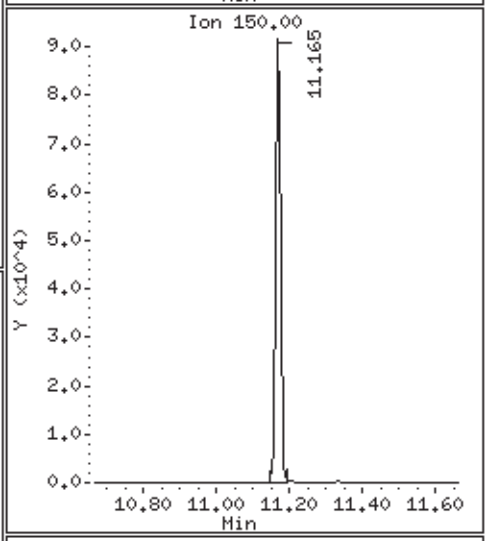


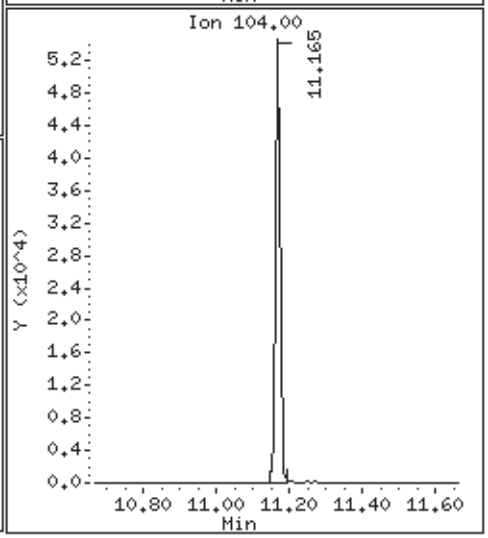












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

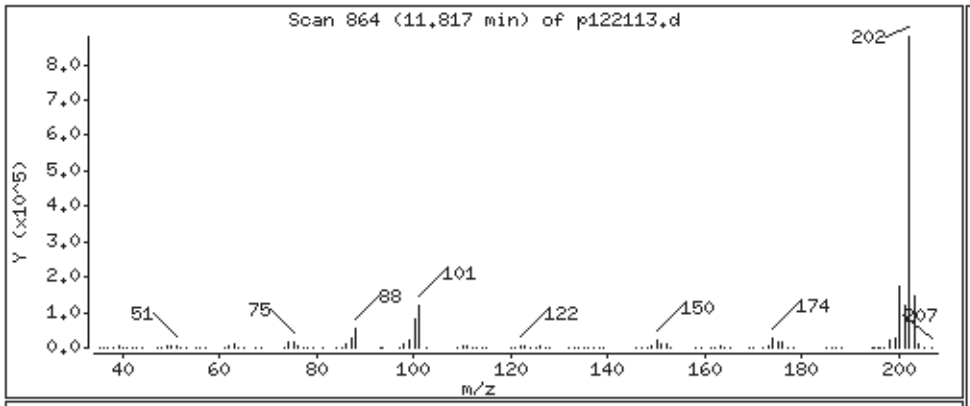
Operator: LP

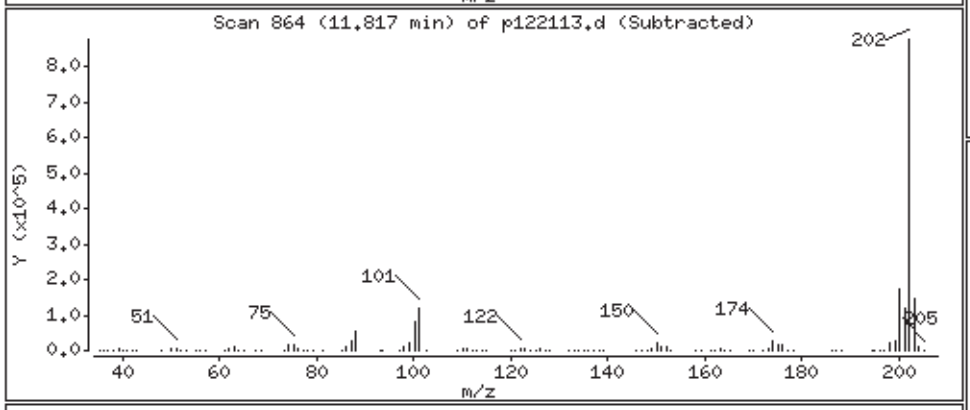
Column phase: DB-5.625

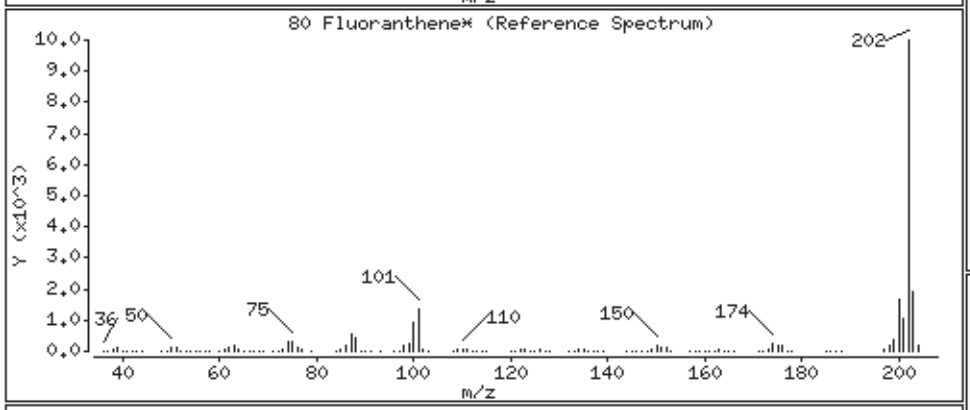
Column diameter: 0.25

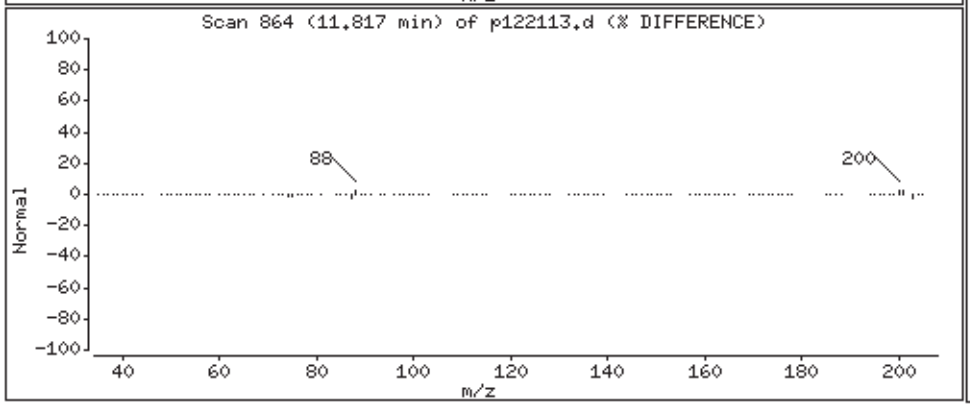
80 Fluoranthene*

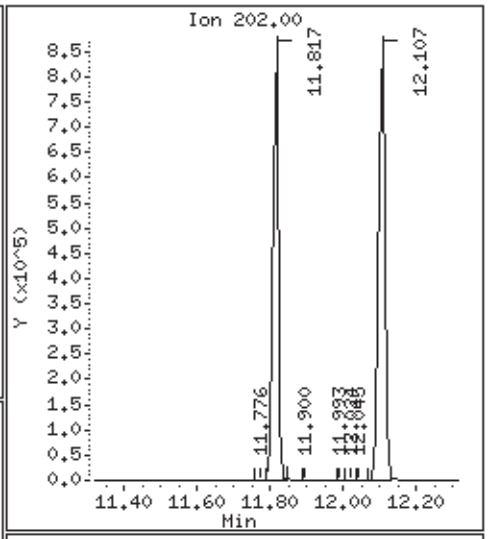
Concentration: 54.69 ug

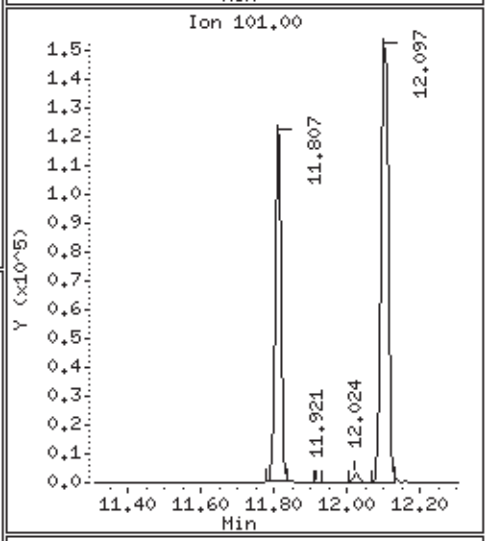


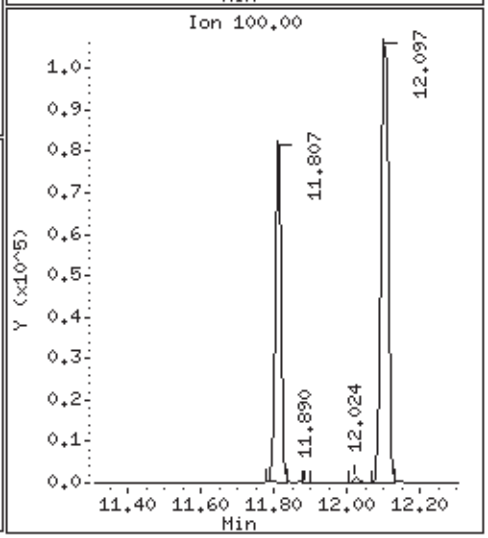












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

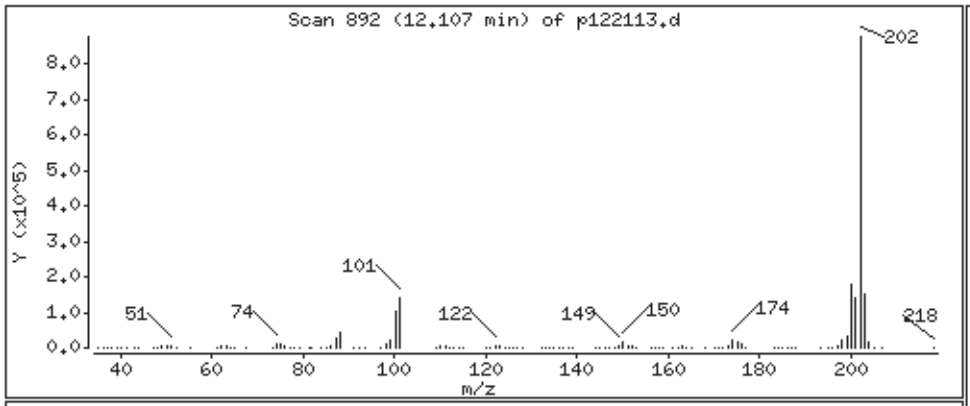
Operator: LP

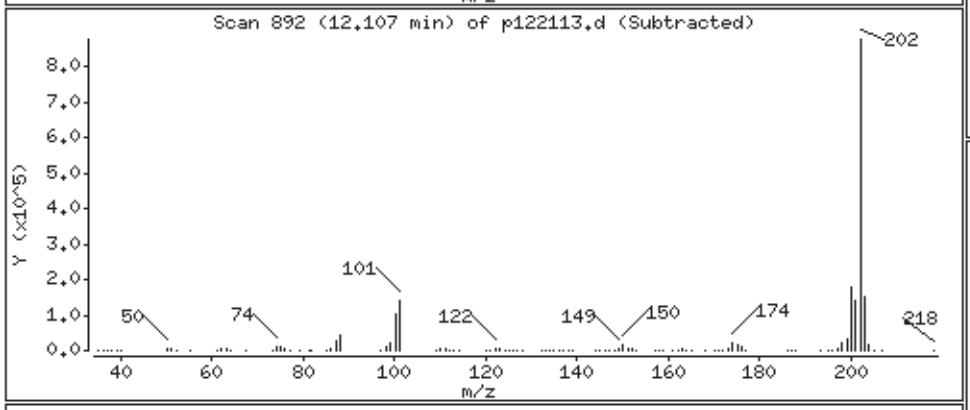
Column phase: DB-5.625

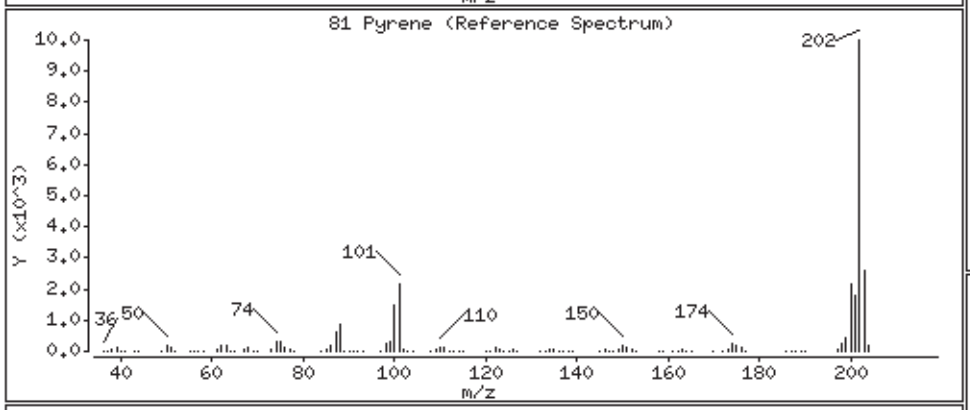
Column diameter: 0.25

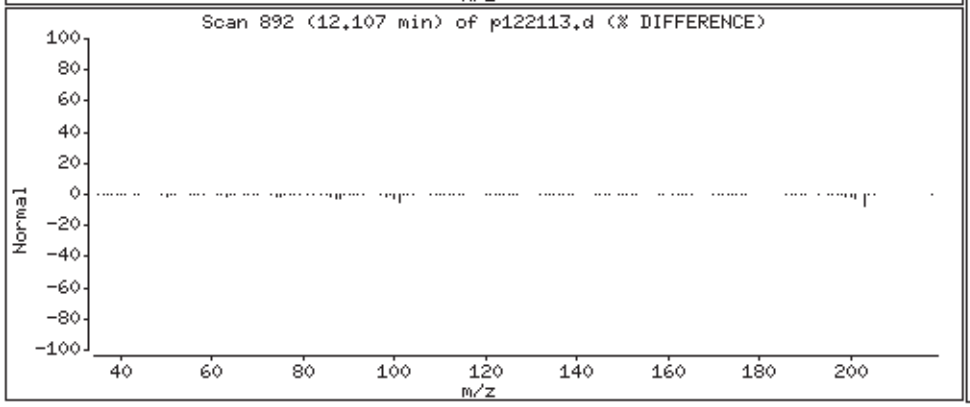
81 Pyrene

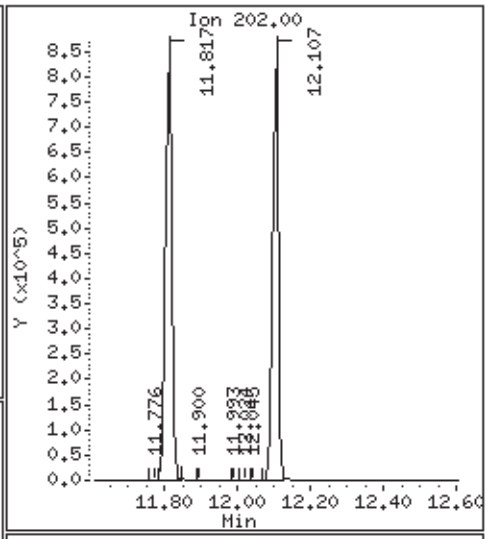
Concentration: 51.90 ug

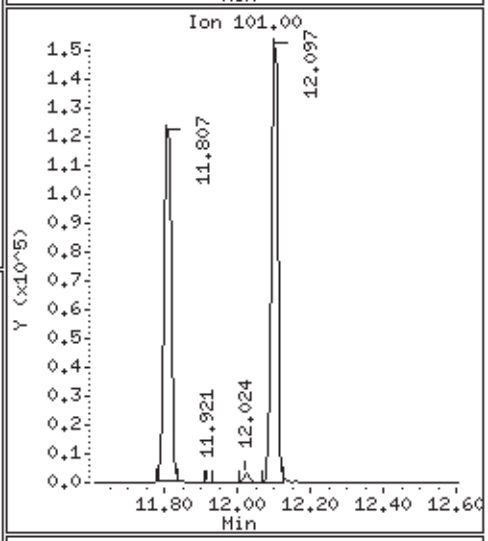


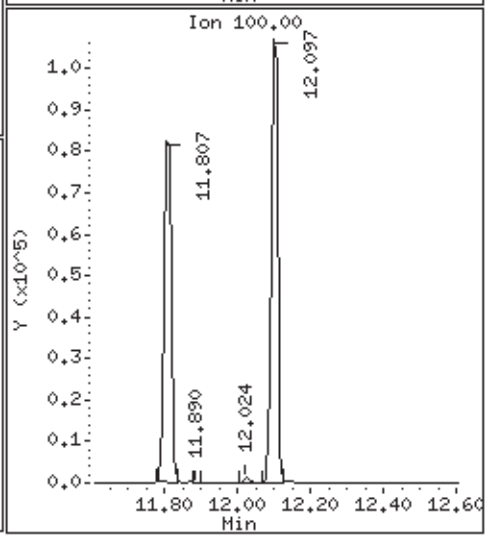












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

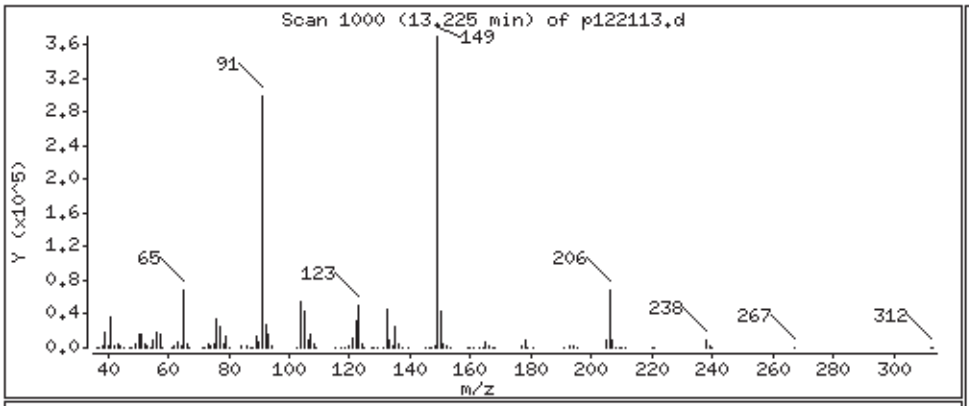
Operator: LP

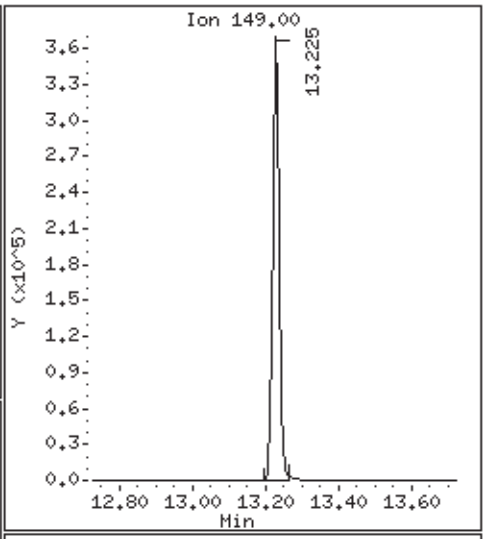
Column phase: DB-5.625

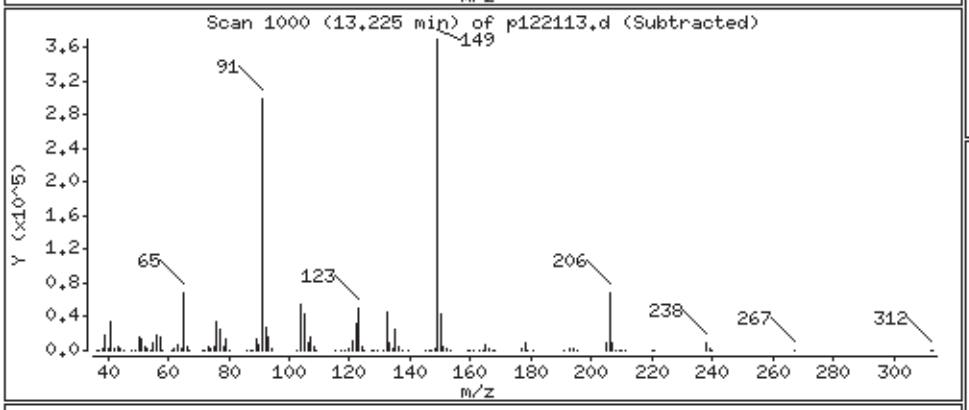
Column diameter: 0.25

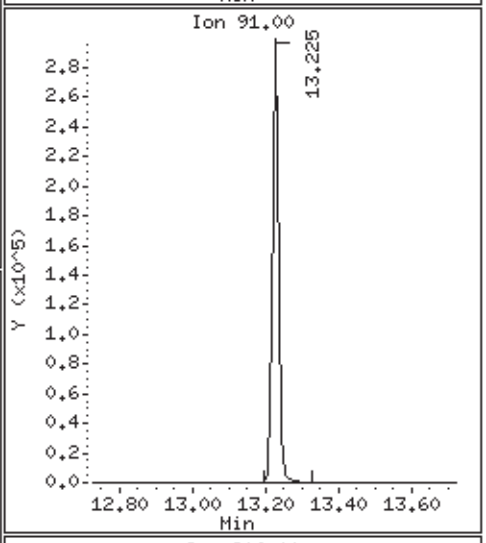
85 Butyl benzyl phthalate

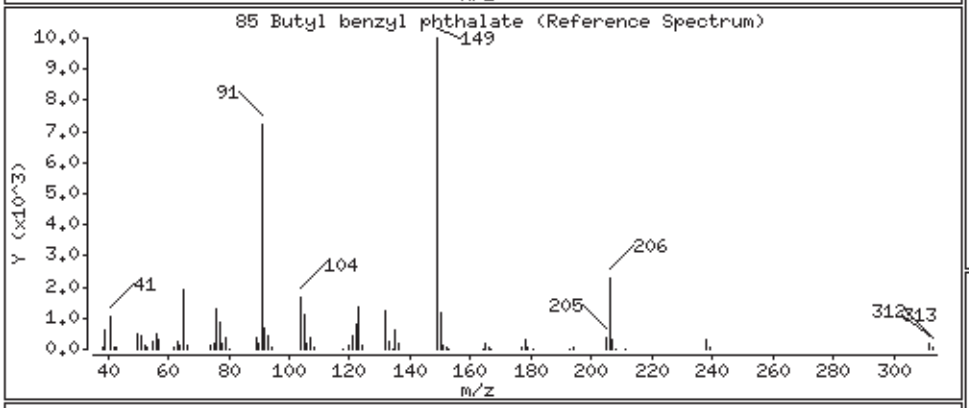
Concentration: 52.26 ug

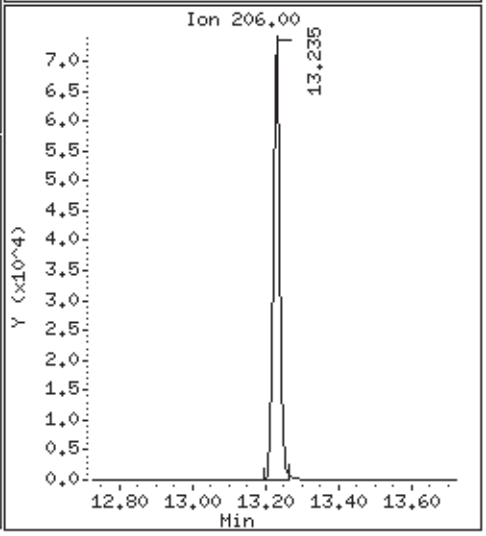


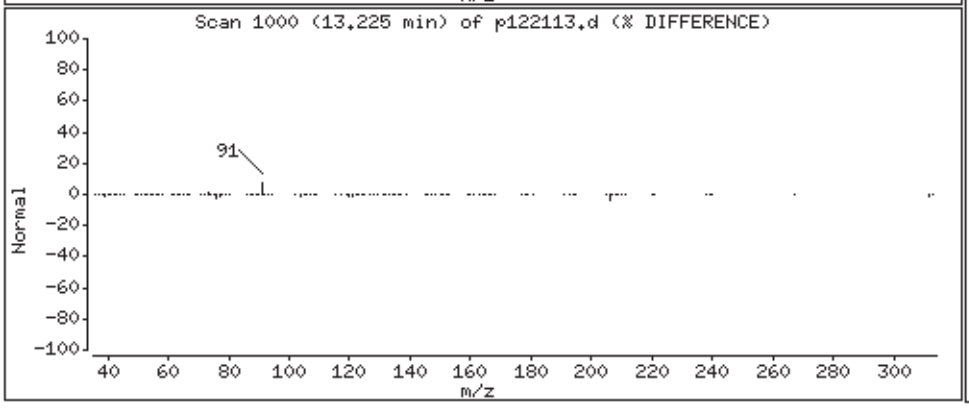












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

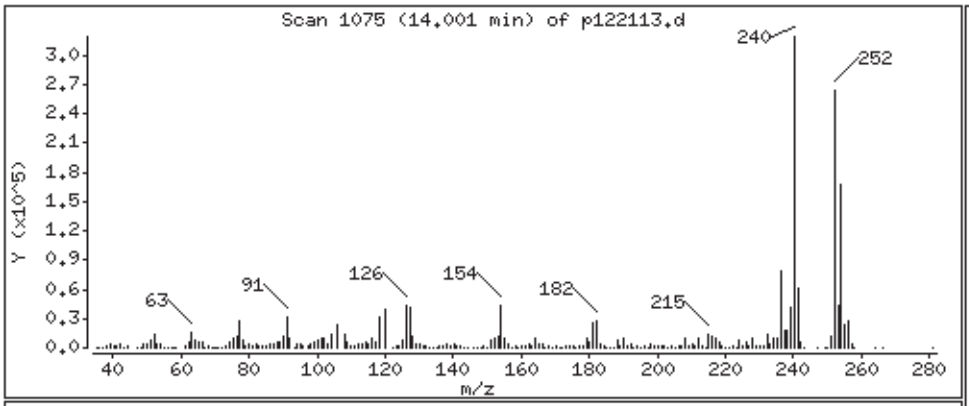
Operator: LP

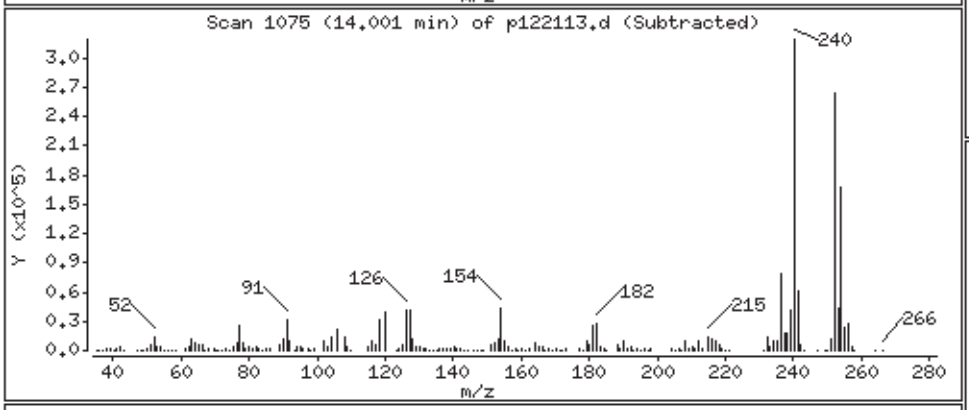
Column phase: DB-5.625

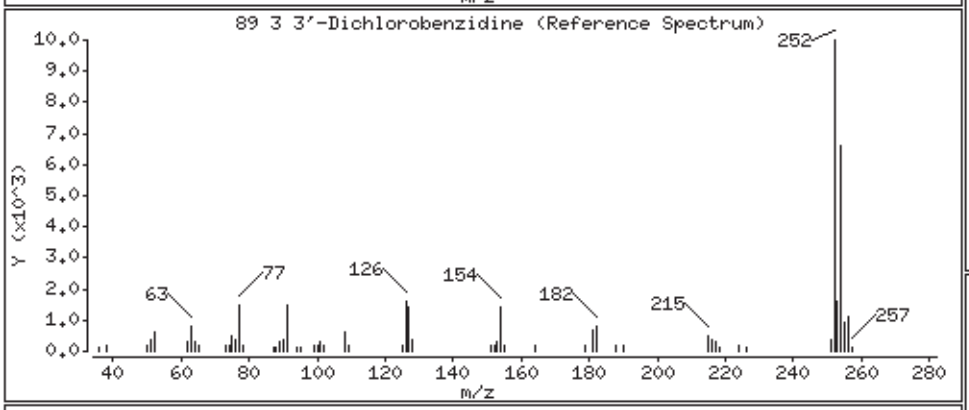
Column diameter: 0.25

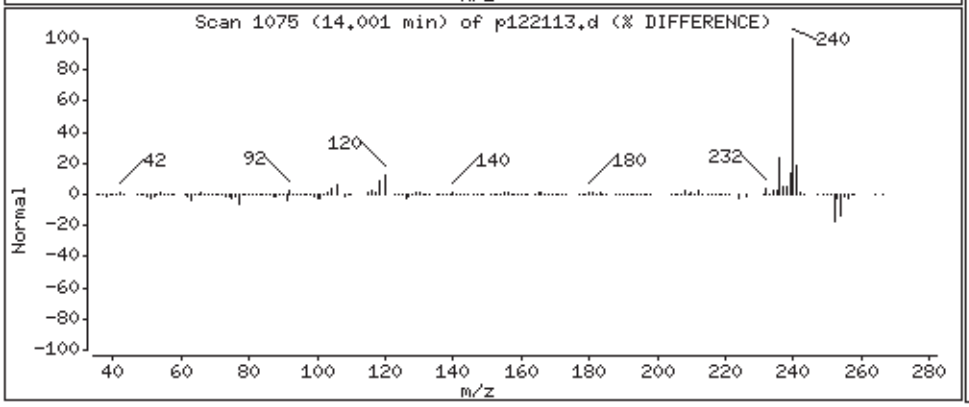
89 3 3'-Dichlorobenzidine

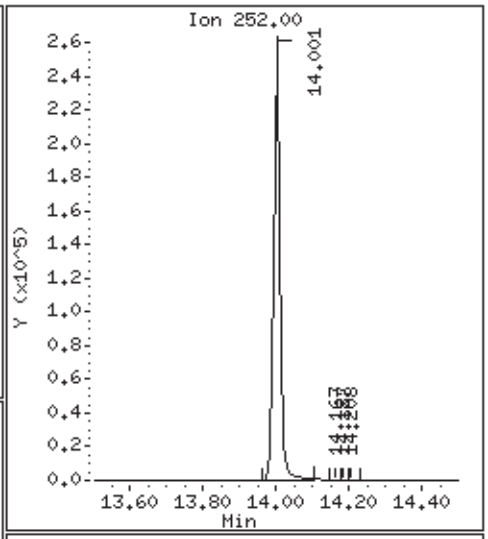
Concentration: 53.92 ug

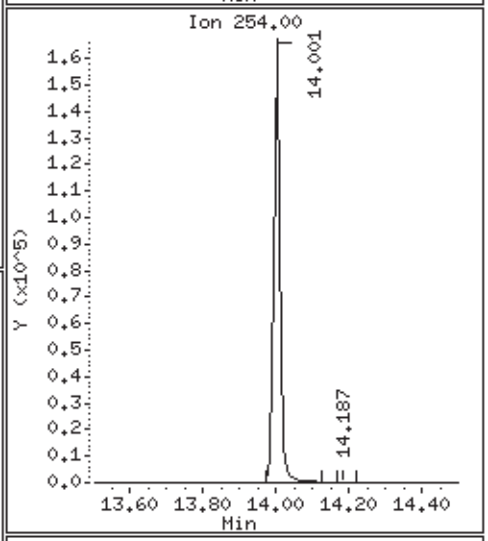


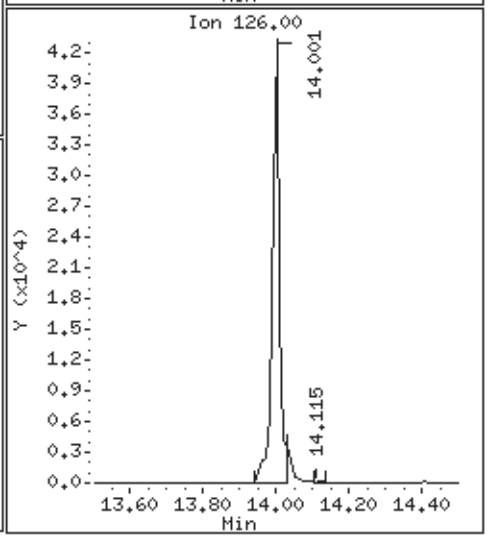












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

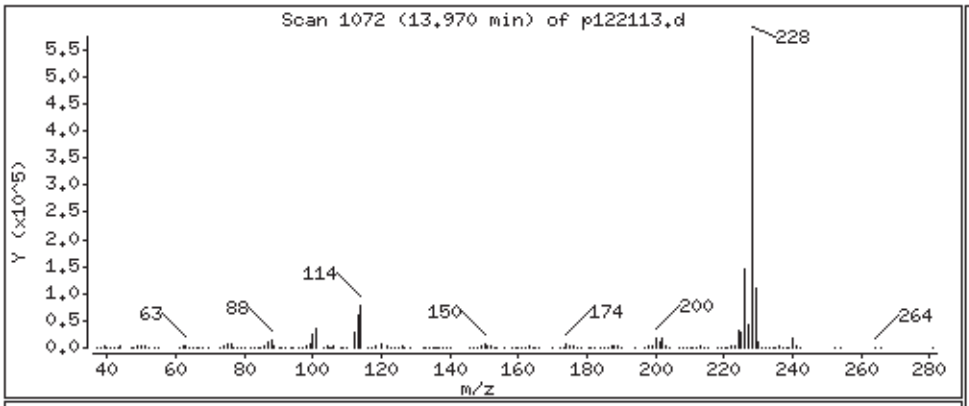
Operator: LP

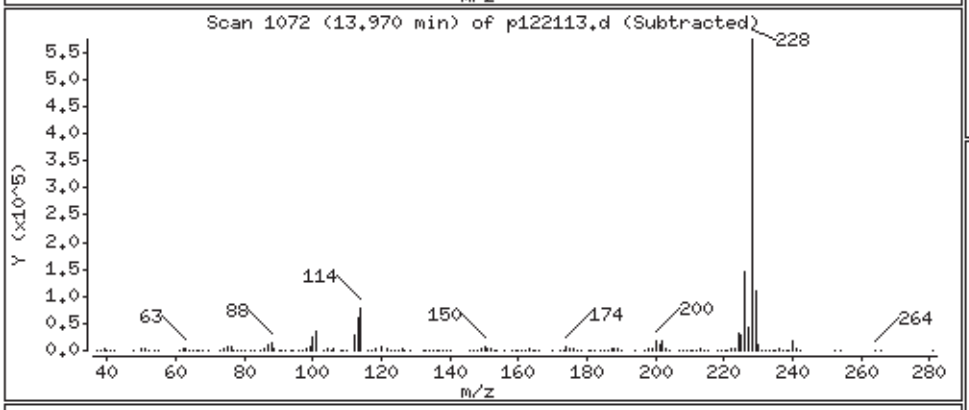
Column phase: DB-5.625

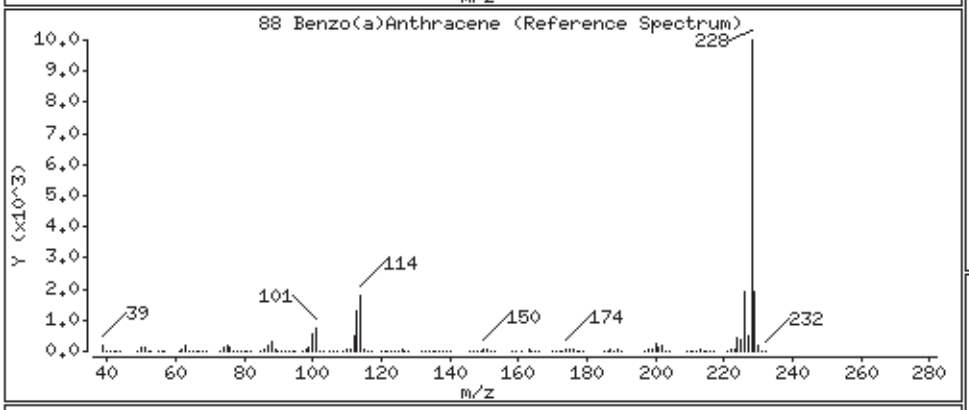
Column diameter: 0.25

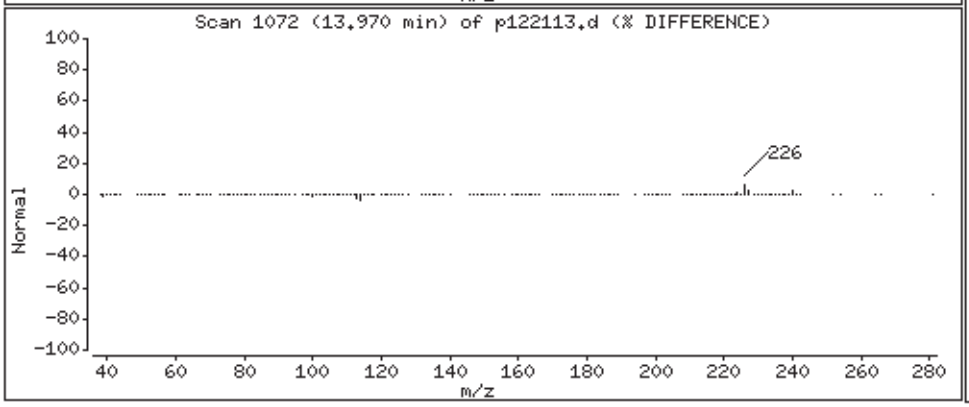
88 Benzo(a)Anthracene

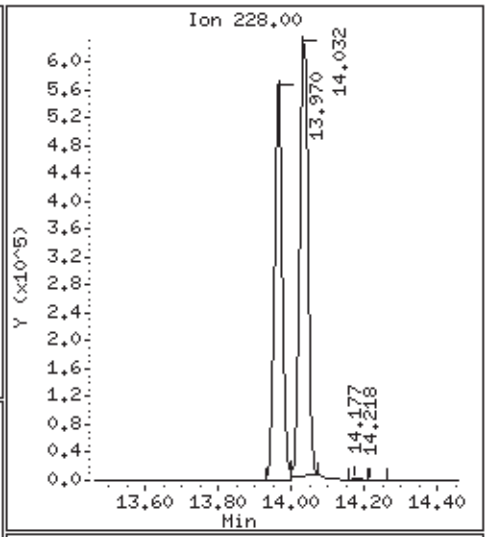
Concentration: 52.11 ug

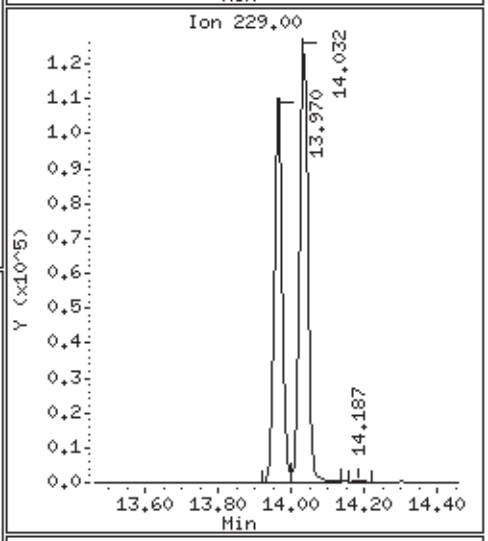


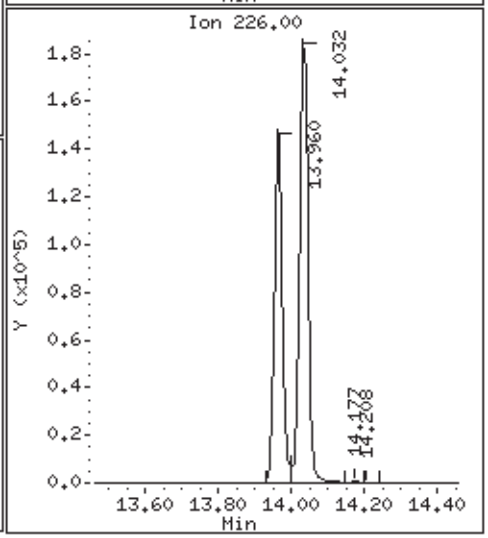












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

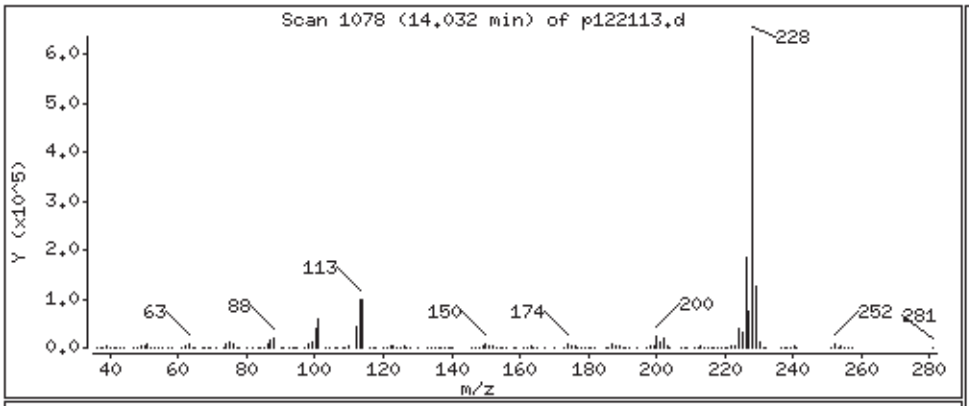
Operator: LP

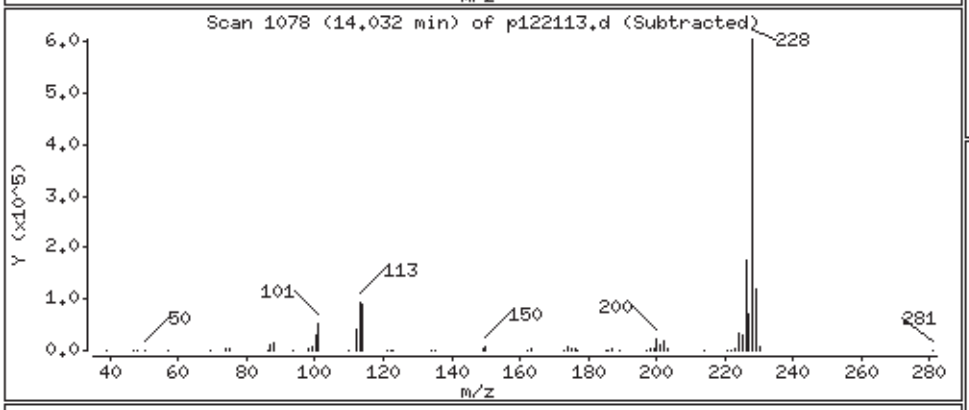
Column phase: DB-5.625

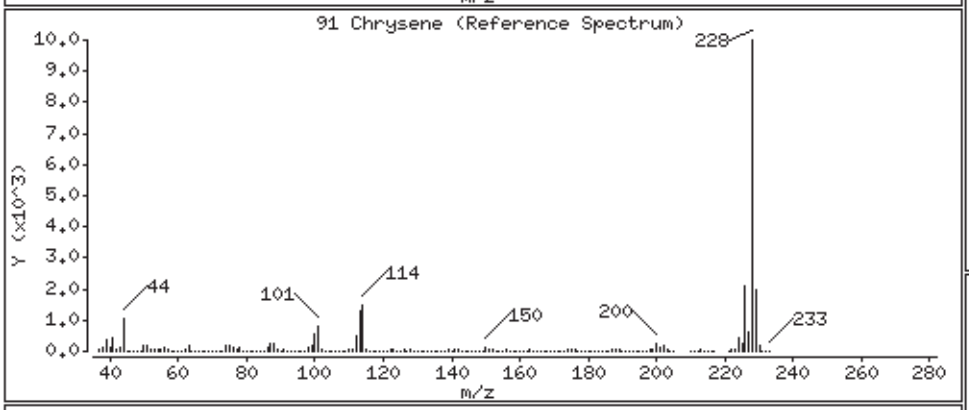
Column diameter: 0.25

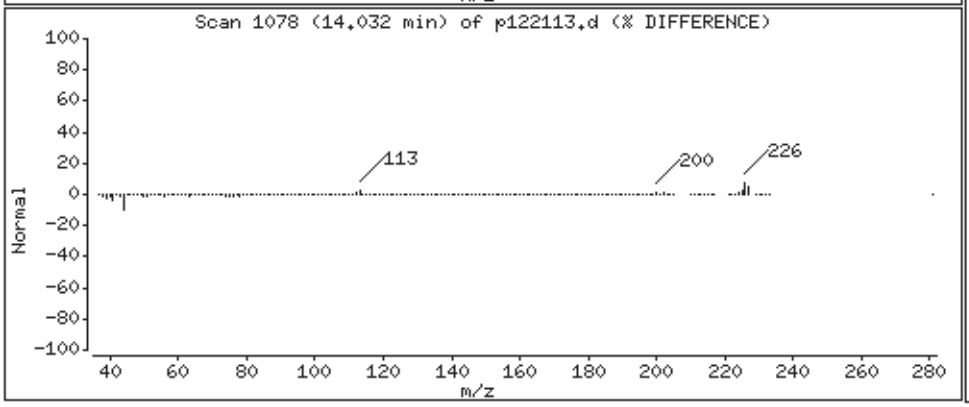
91 Chrysene

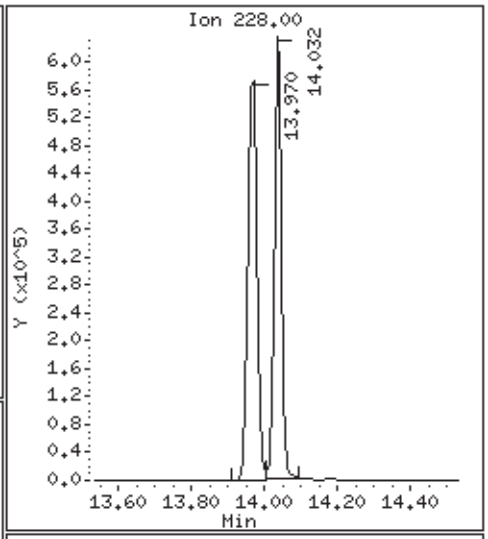
Concentration: 51.43 ug

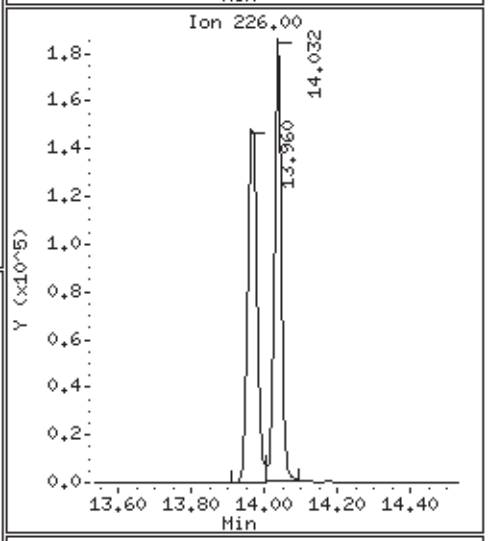


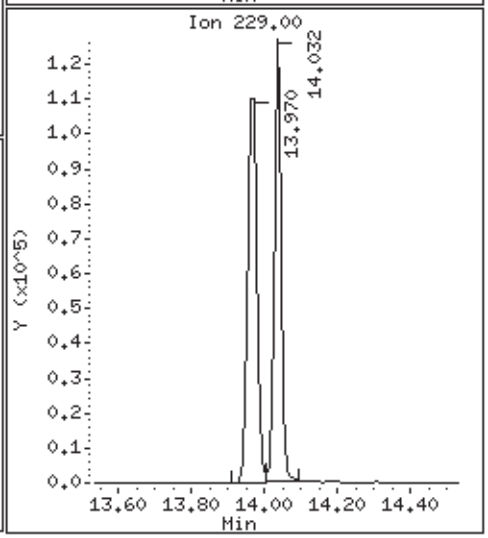












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

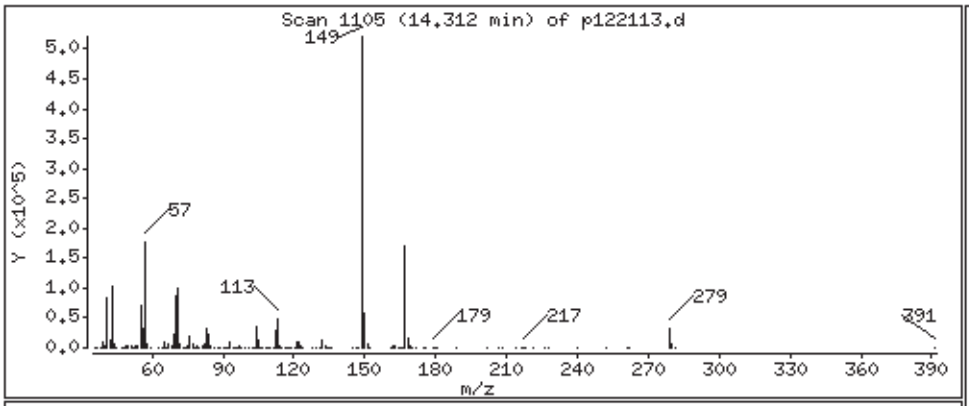
Operator: LP

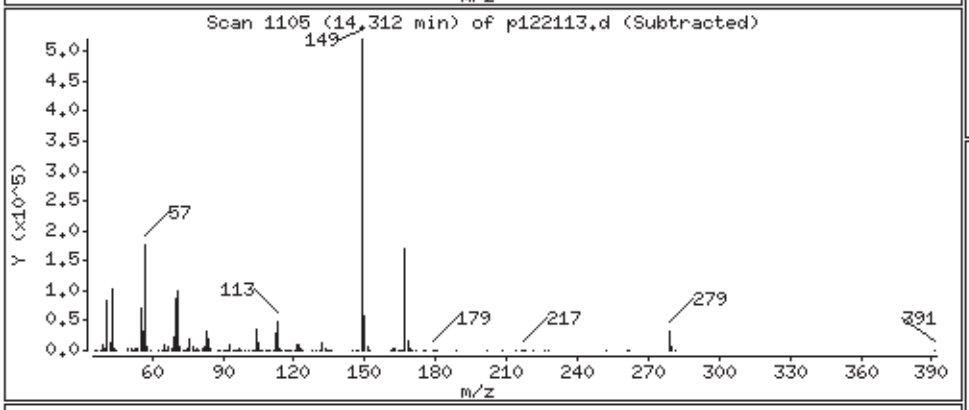
Column phase: DB-5.625

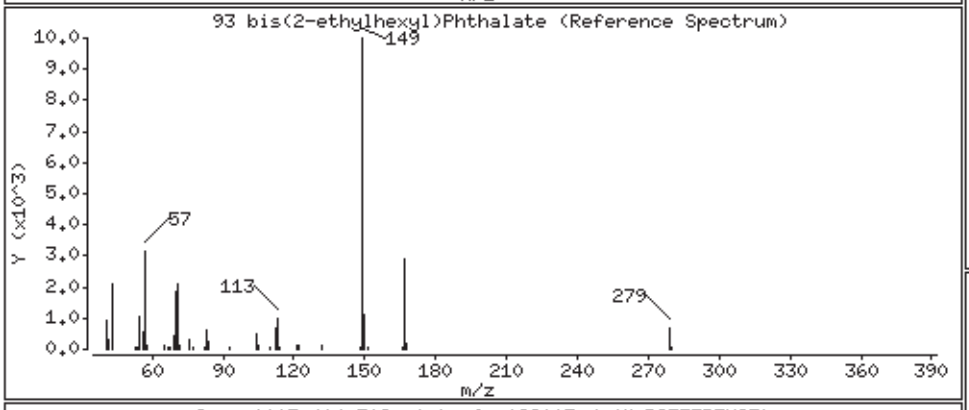
Column diameter: 0.25

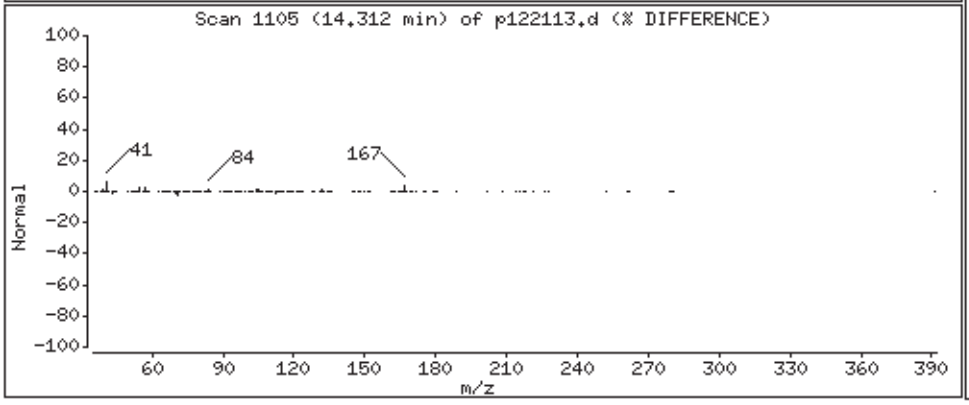
93 bis(2-ethylhexyl)Phthalate

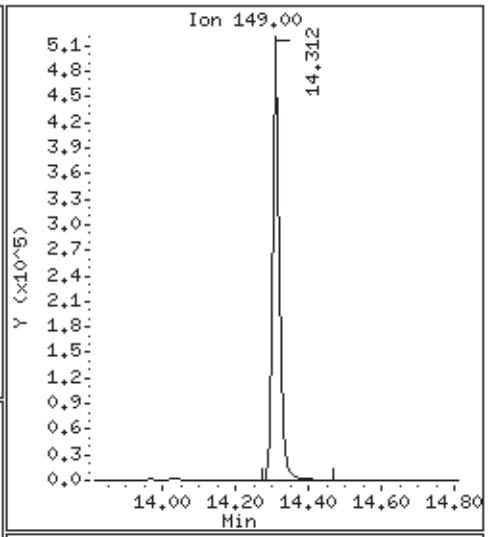
Concentration: 55.60 ug

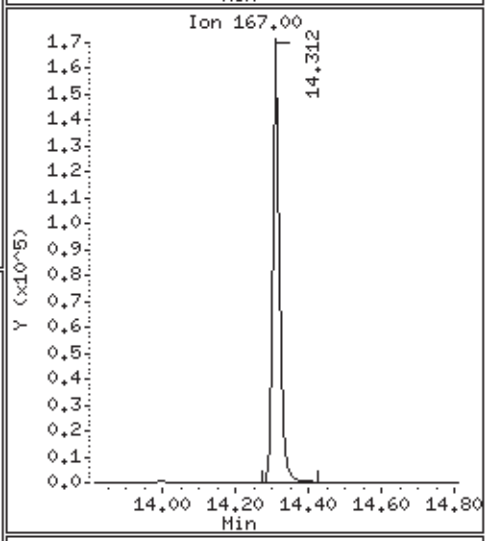


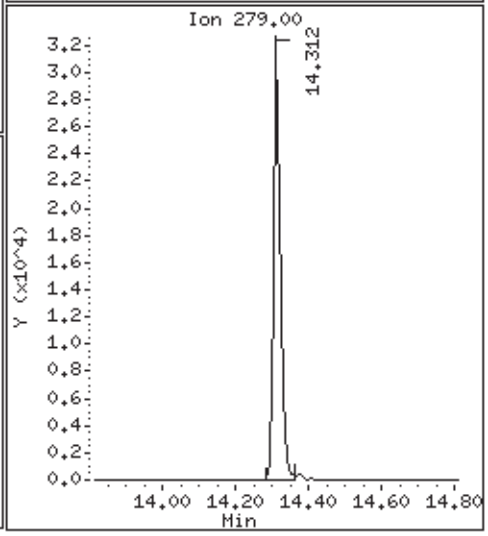












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

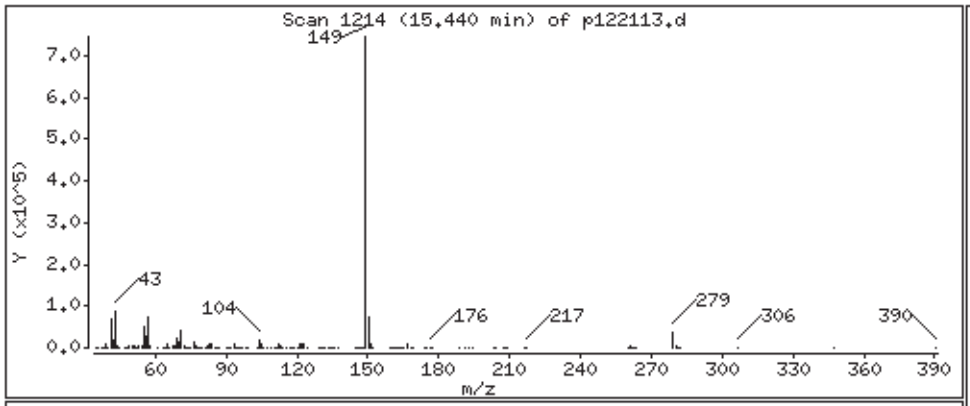
Operator: LP

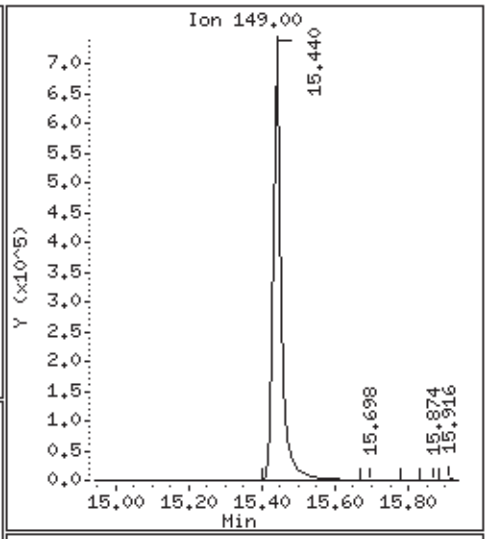
Column phase: DB-5.625

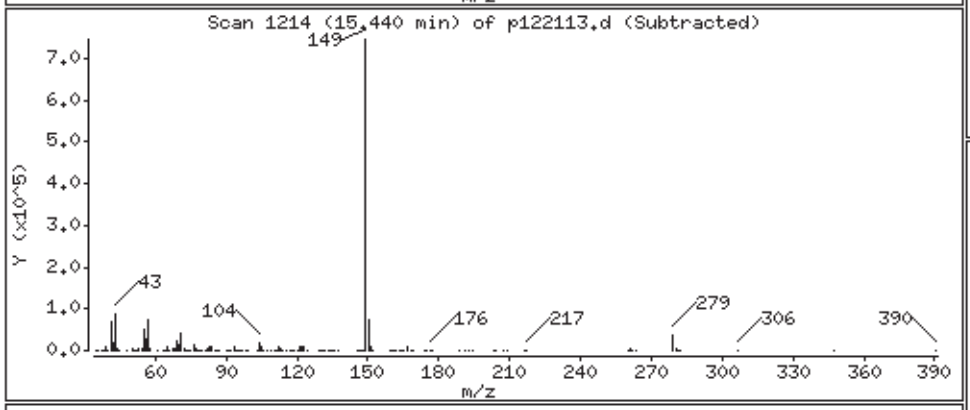
Column diameter: 0.25

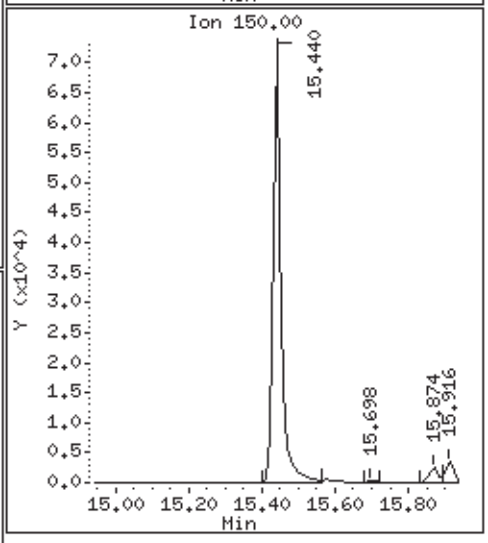
94 Di-n-octyl phthalate*

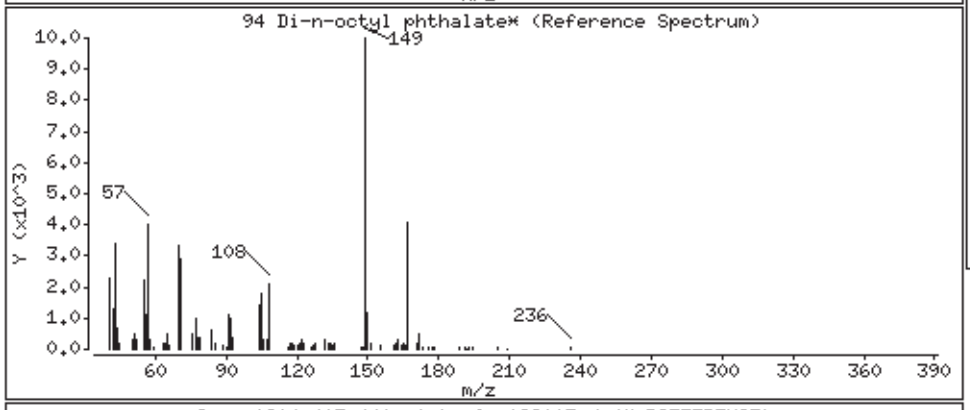
Concentration: 59.42 ug

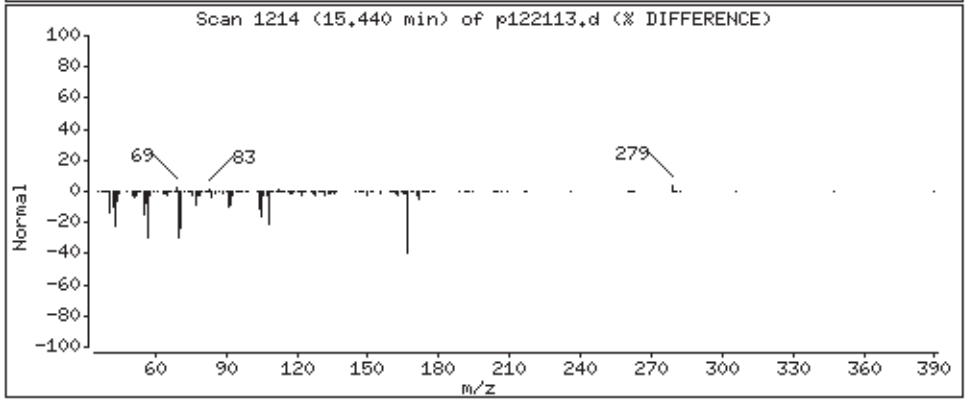












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

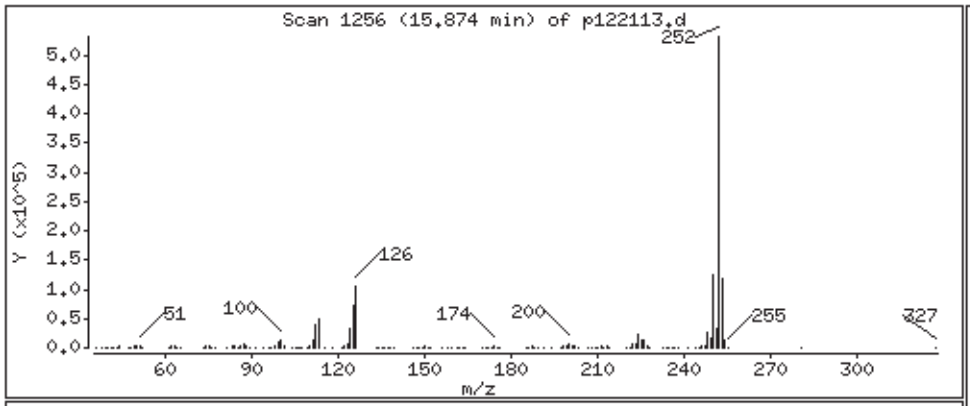
Operator: LP

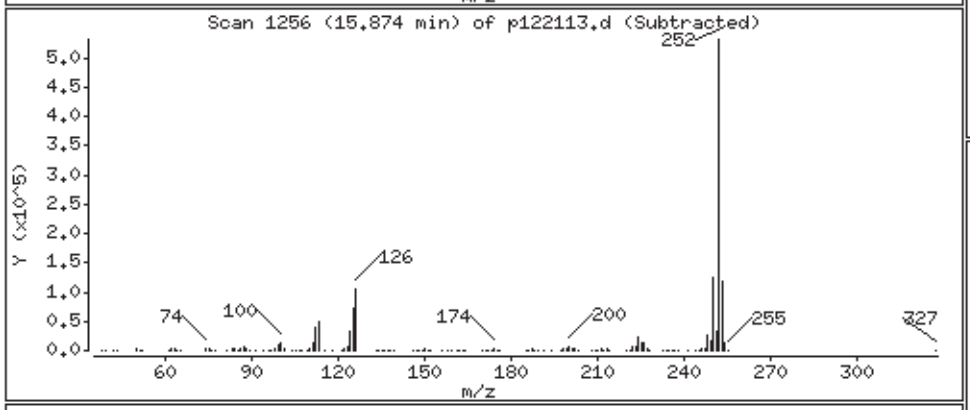
Column phase: DB-5.625

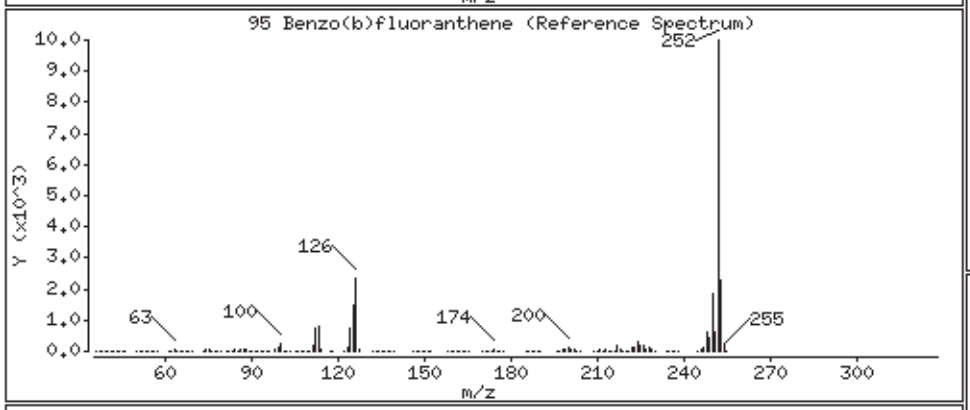
Column diameter: 0.25

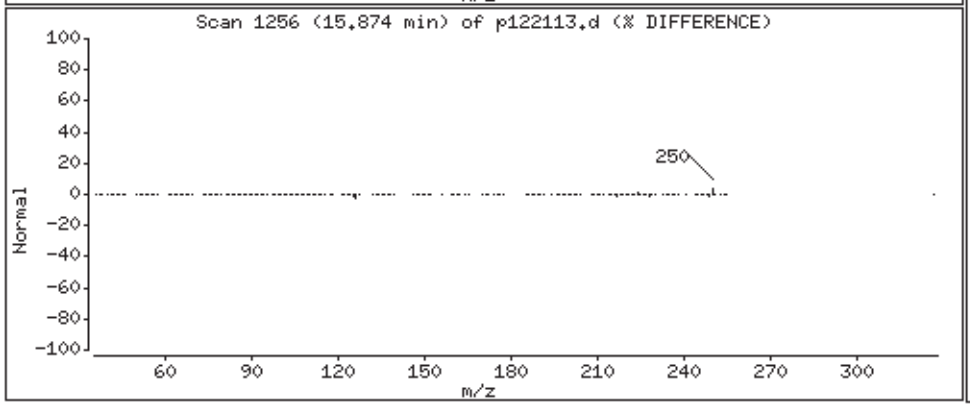
95 Benzo(b)fluoranthene

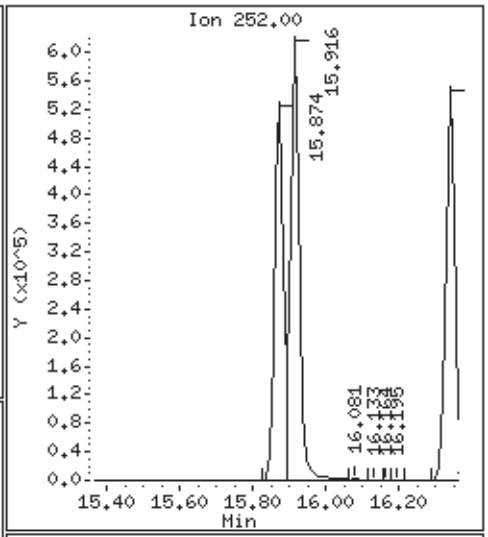
Concentration: 54.17 ug

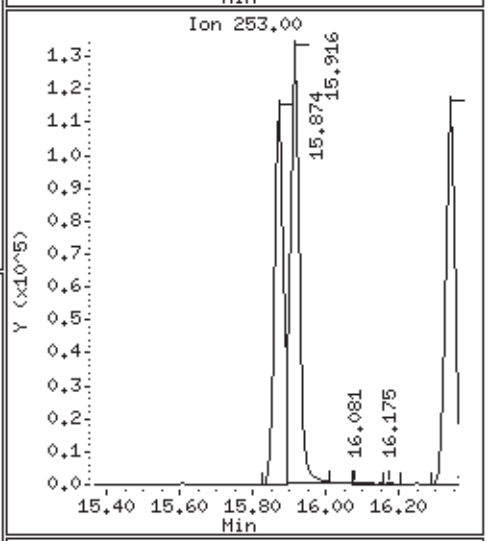


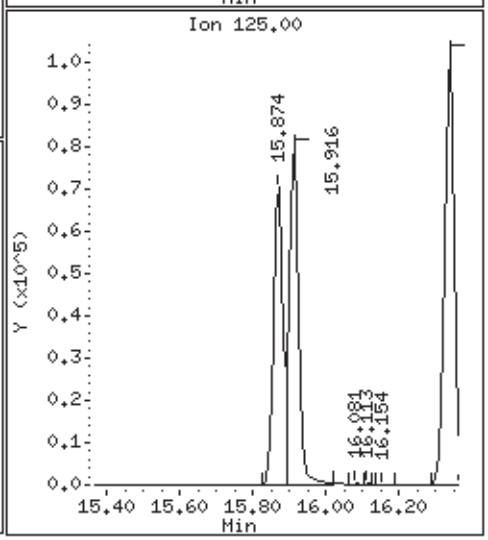












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

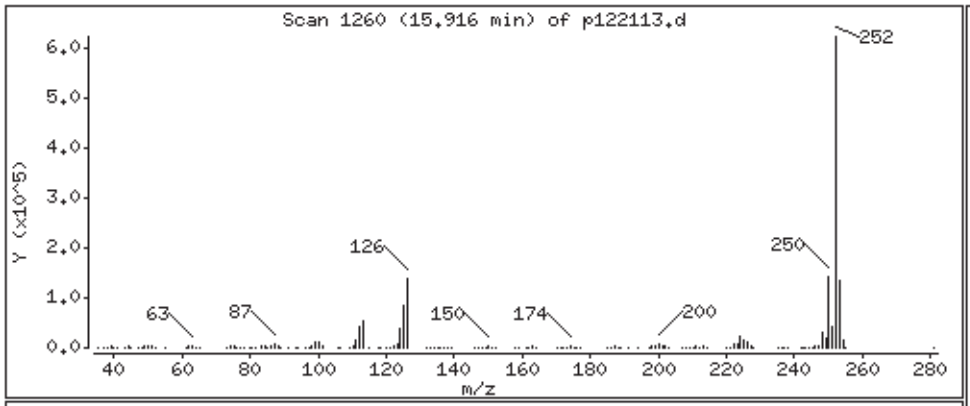
Operator: LP

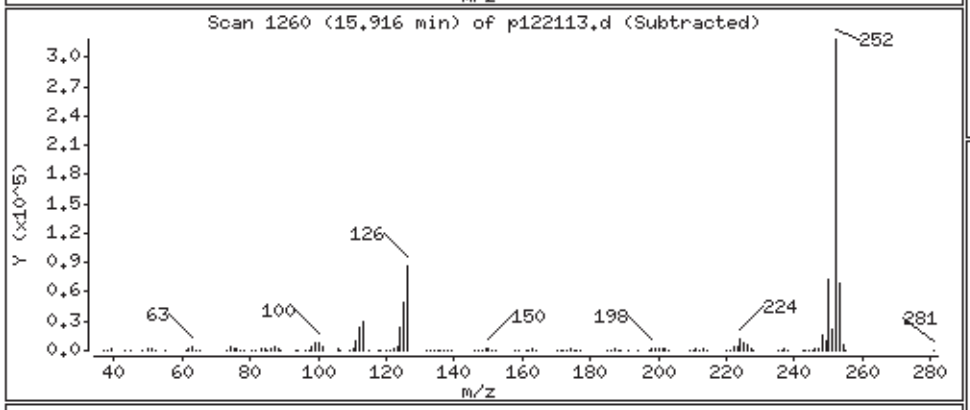
Column phase: DB-5.625

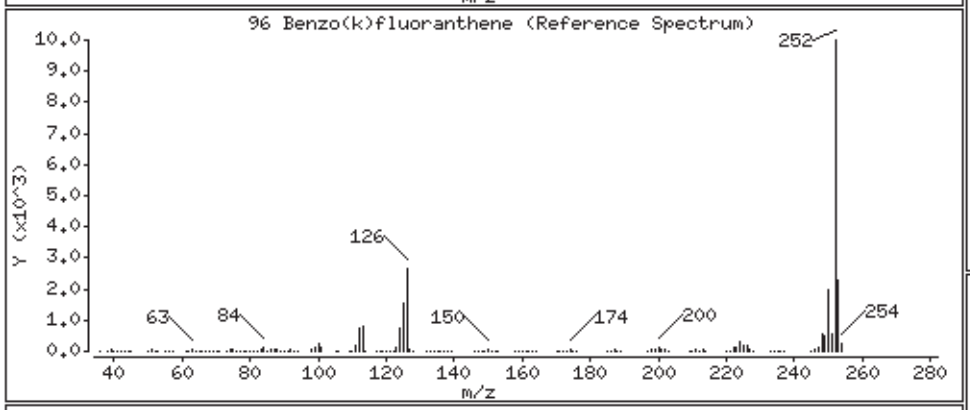
Column diameter: 0.25

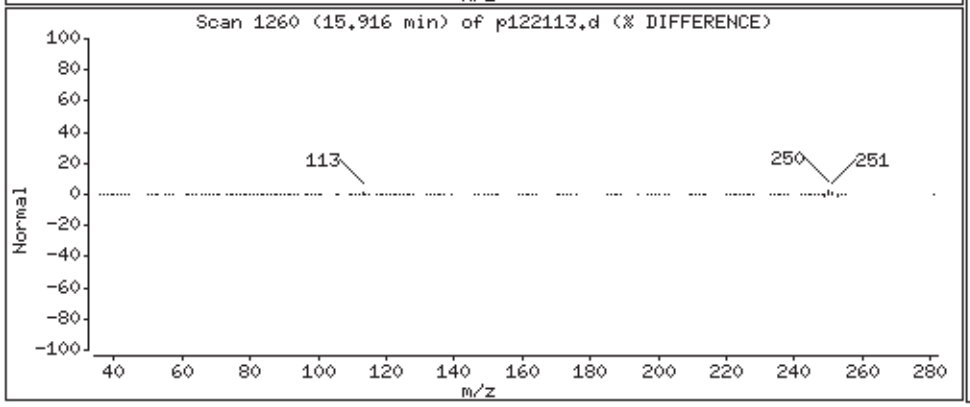
96 Benzo(k)fluoranthene

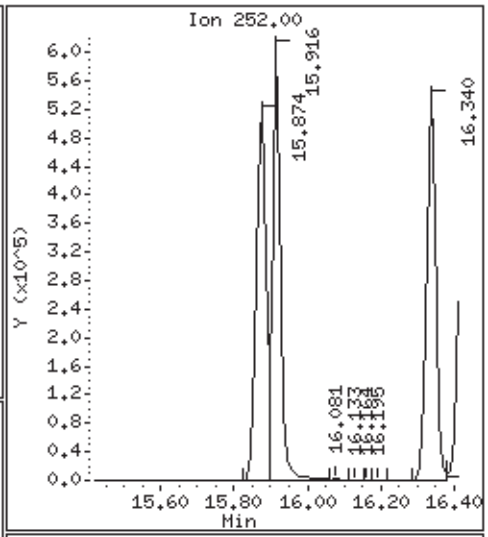
Concentration: 53.24 ug

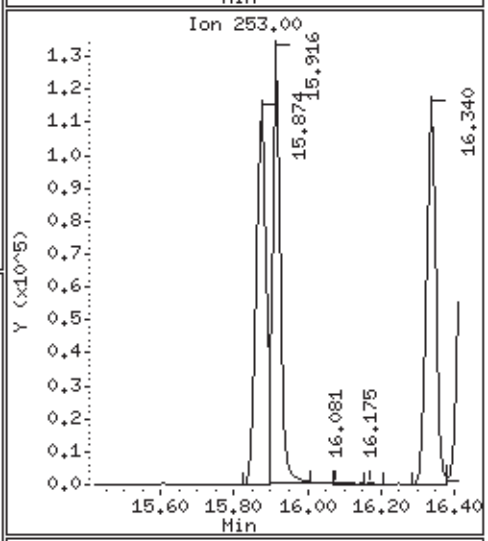


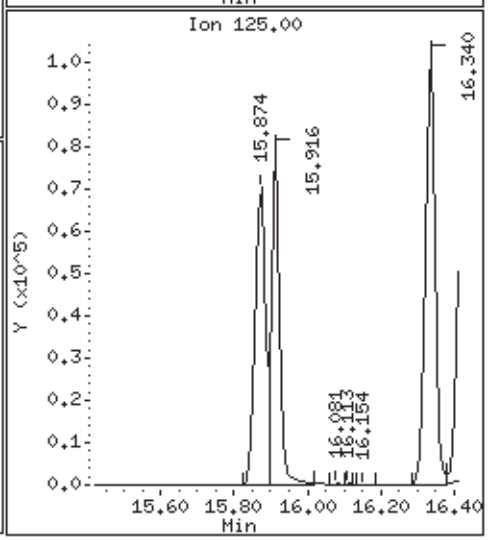












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

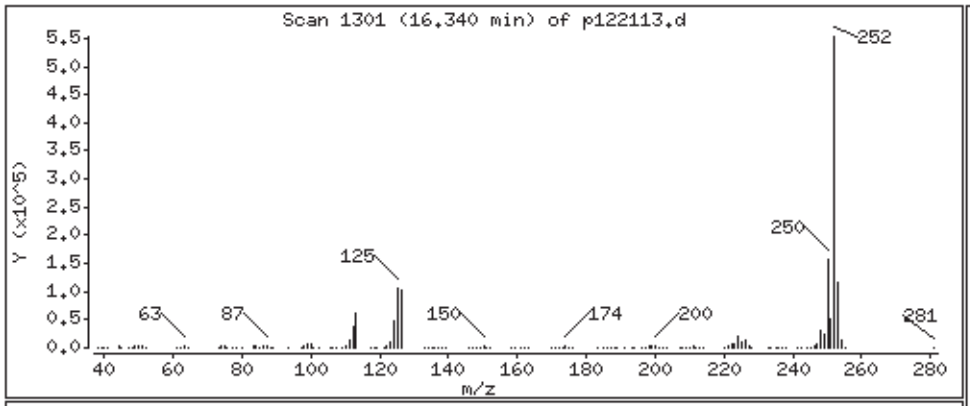
Operator: LP

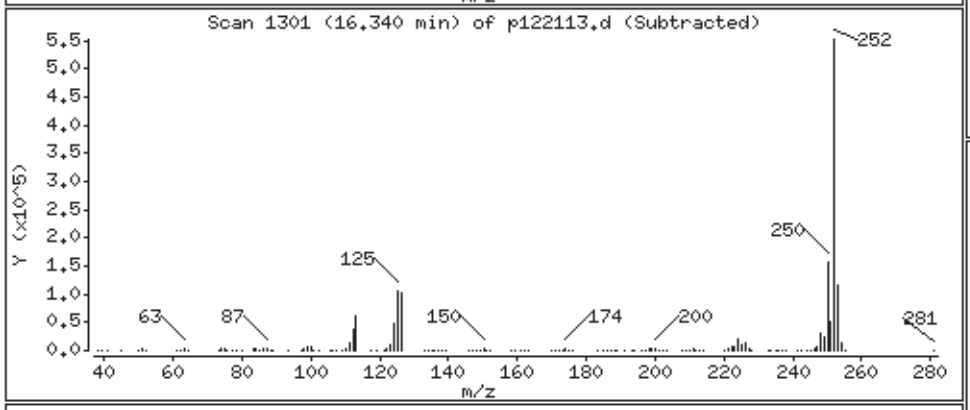
Column phase: DB-5.625

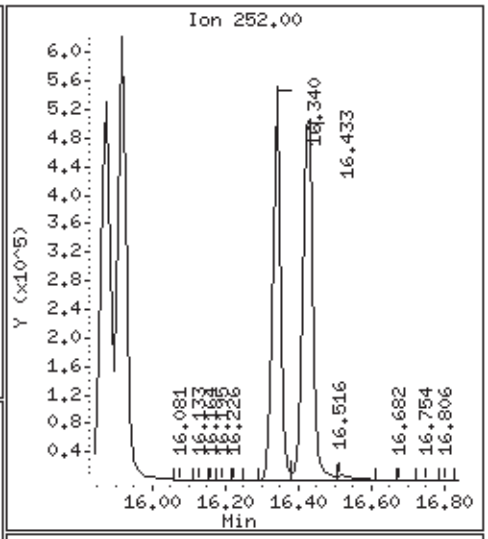
Column diameter: 0.25

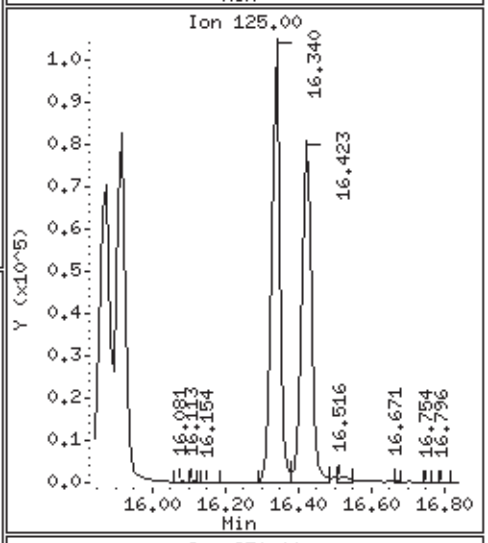
97 Benzo(e)pyrene

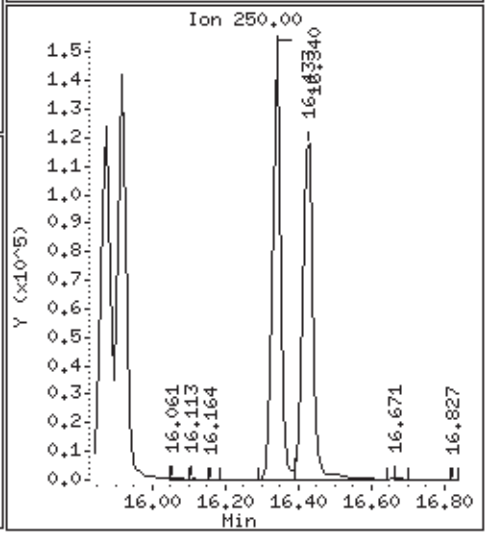
Concentration: 53.00 ug











Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

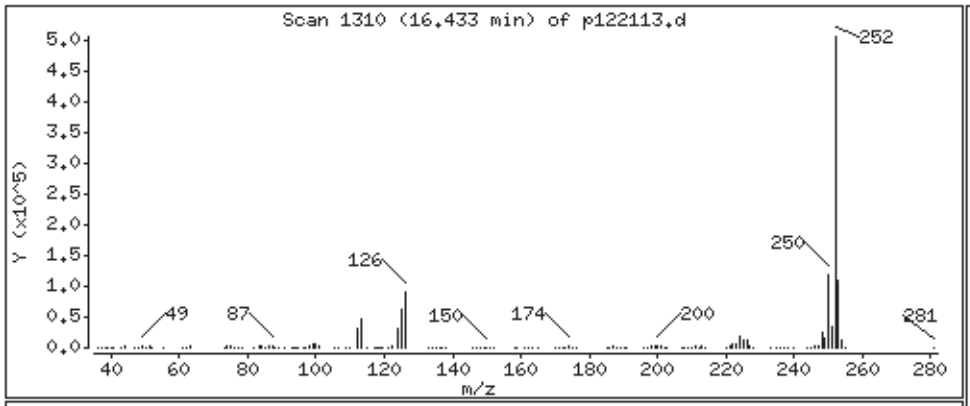
Operator: LP

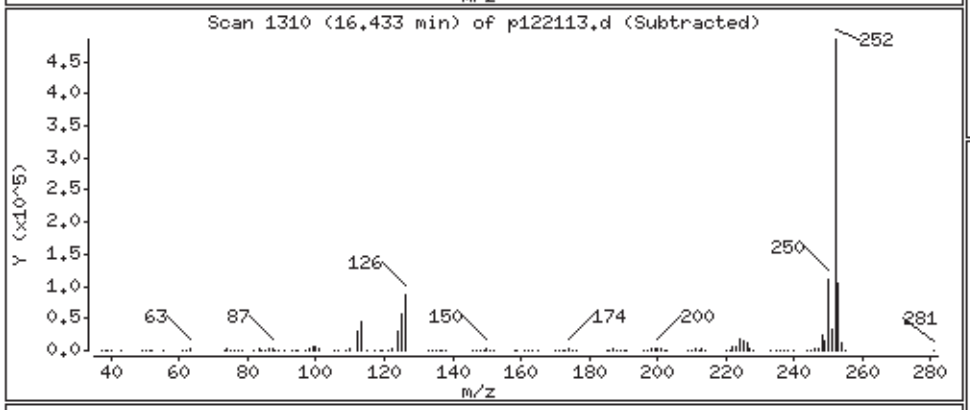
Column phase: DB-5.625

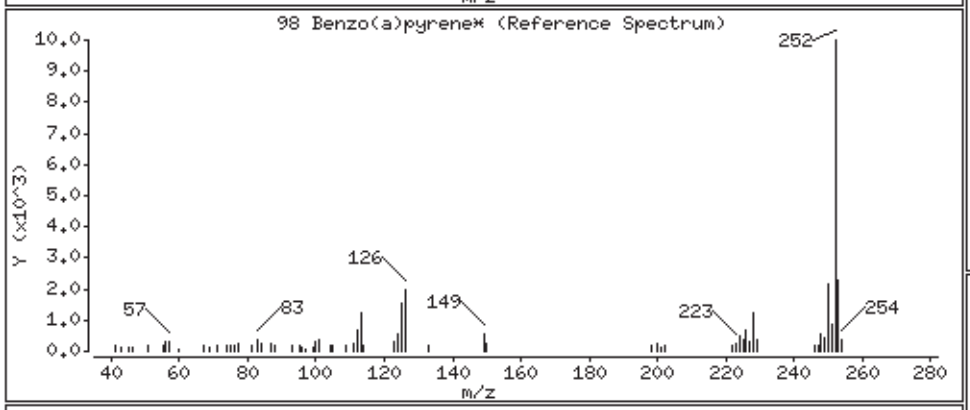
Column diameter: 0.25

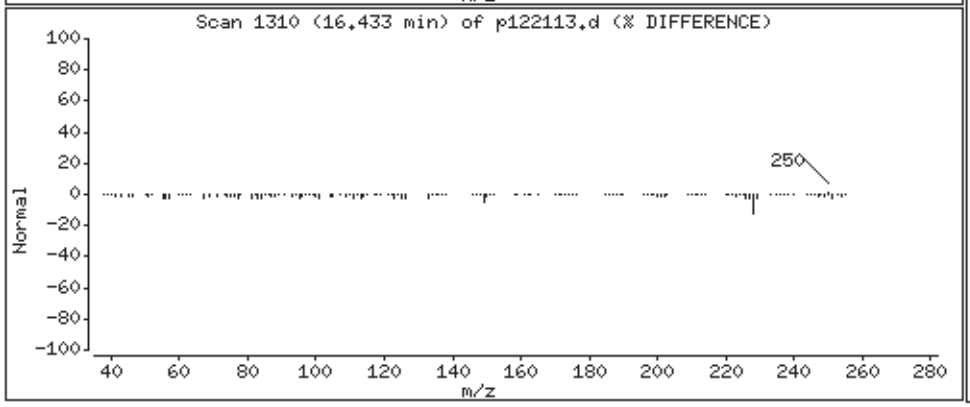
98 Benzo(a)pyrene*

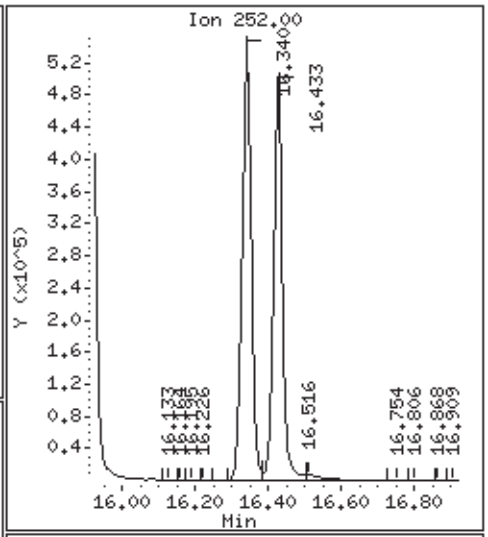
Concentration: 55.86 ug

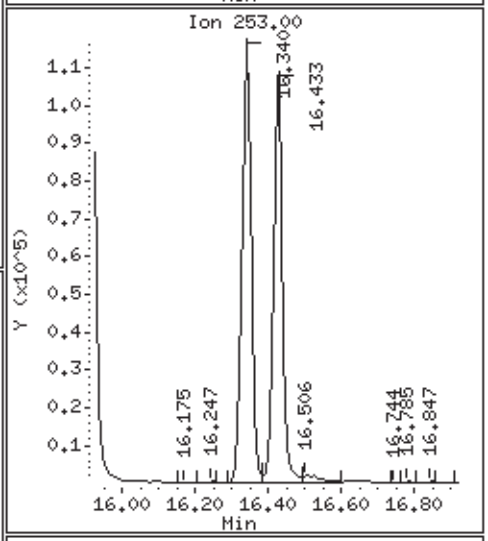


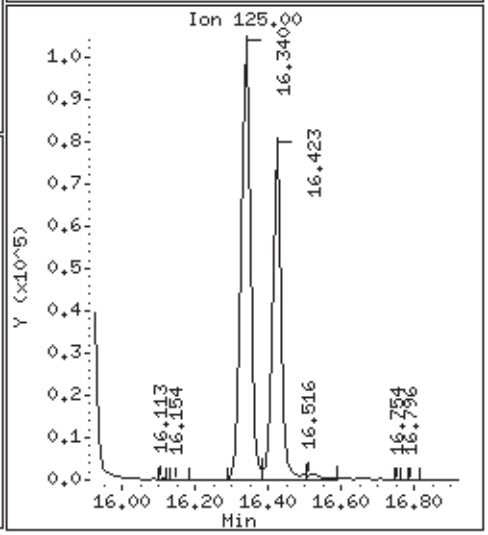












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

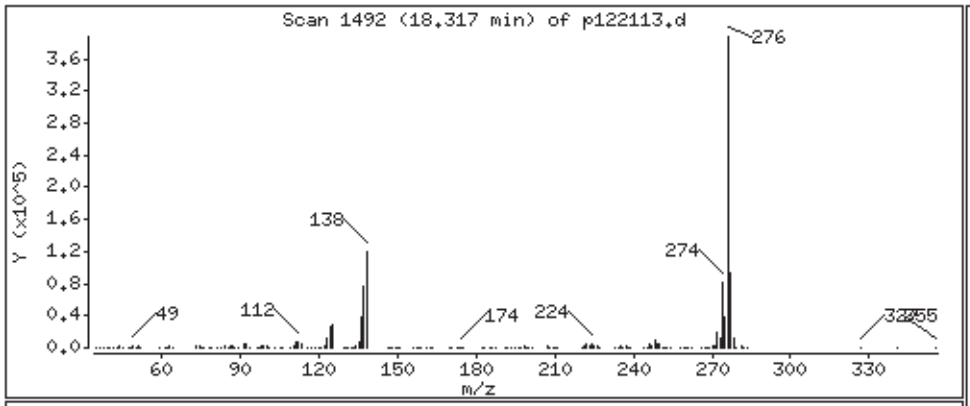
Operator: LP

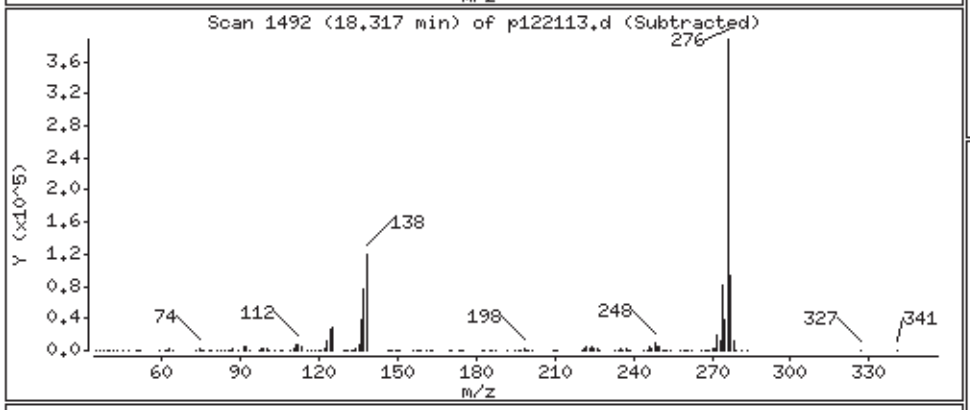
Column phase: DB-5.625

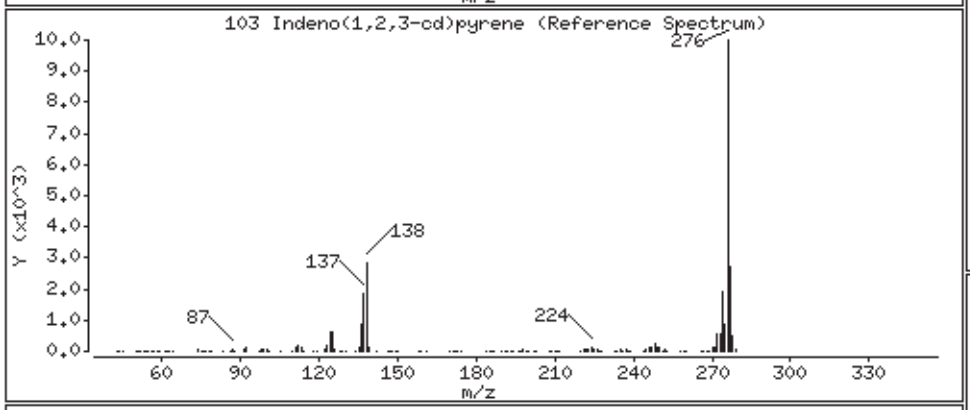
Column diameter: 0.25

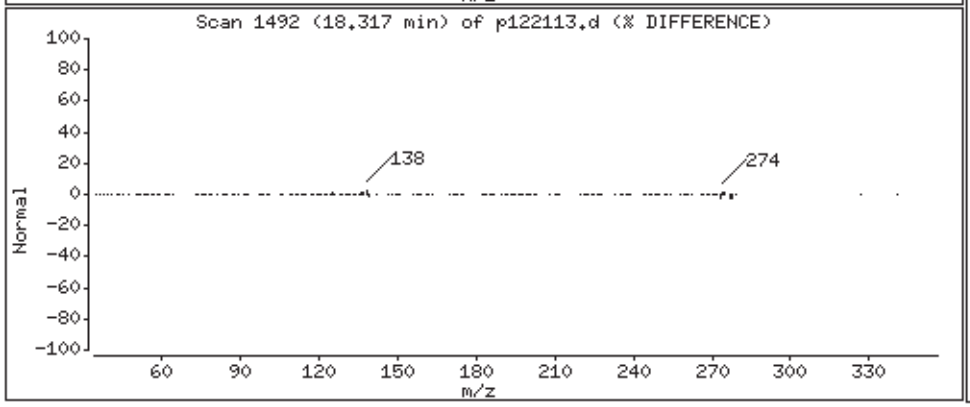
103 Indeno(1,2,3-cd)pyrene

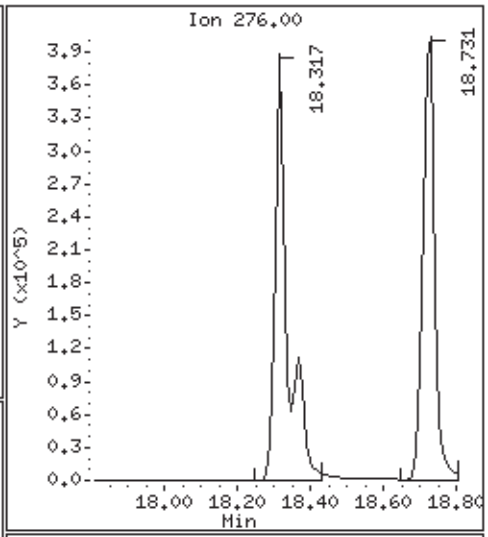
Concentration: 55.52 ug

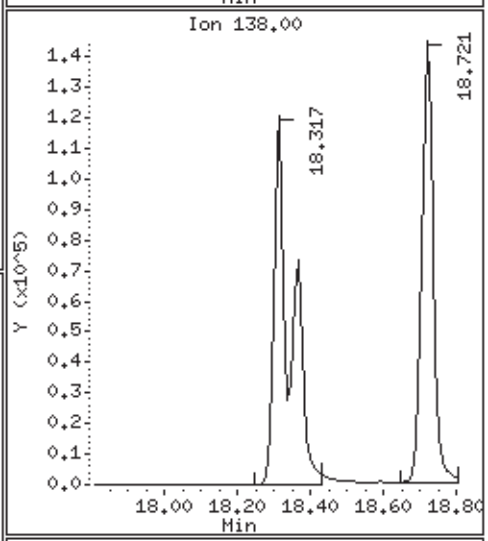


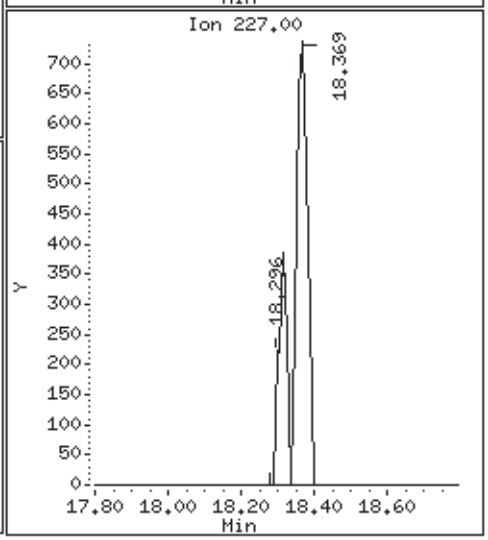












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

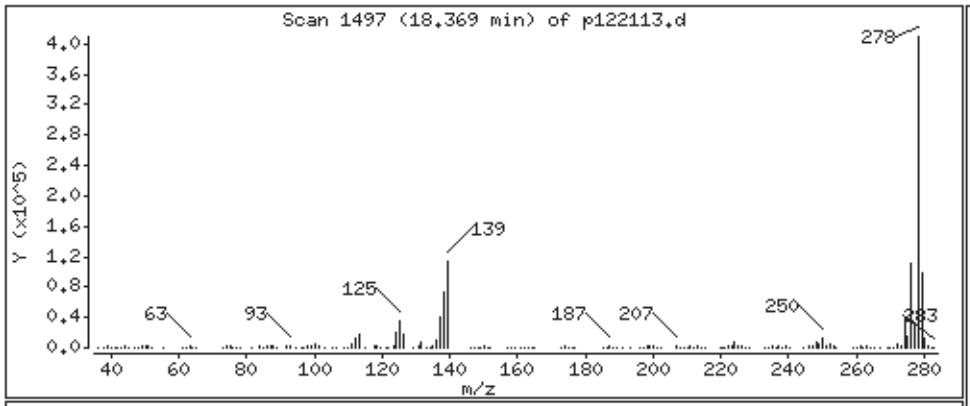
Operator: LP

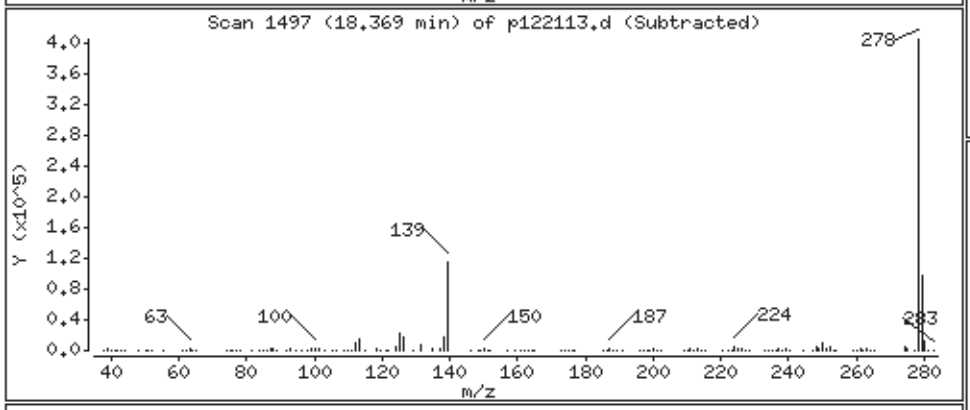
Column phase: DB-5.625

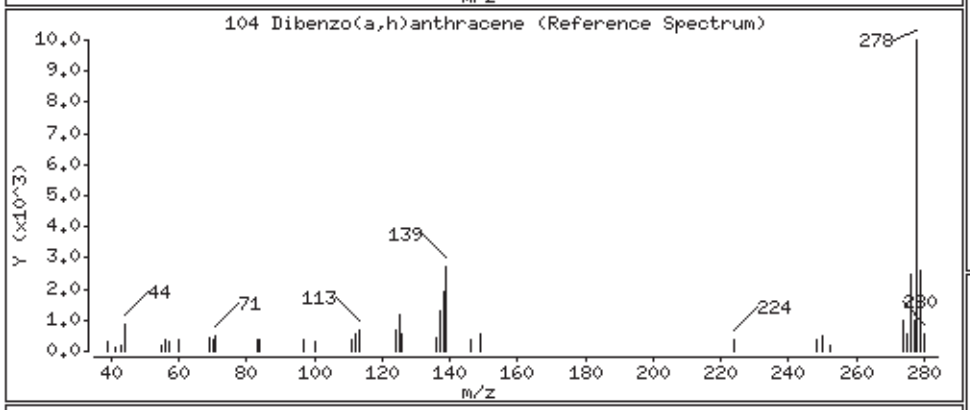
Column diameter: 0.25

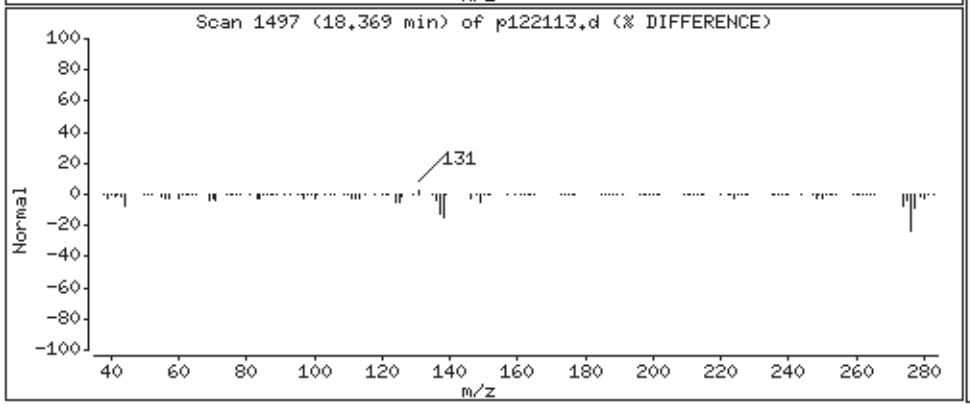
104 Dibenzo(a,h)anthracene

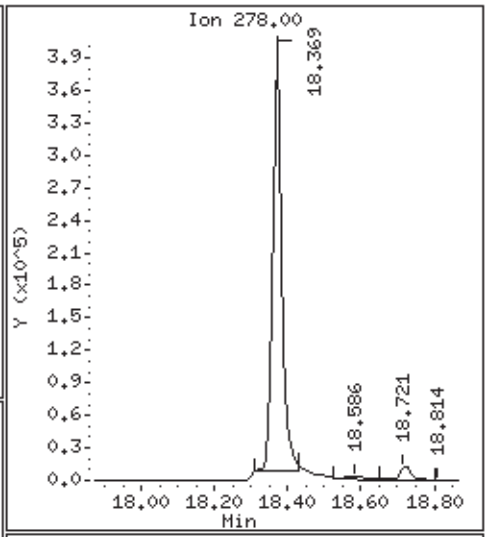
Concentration: 51.07 ug

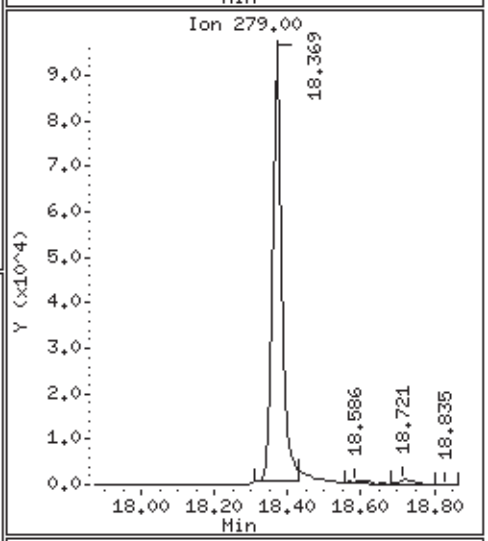


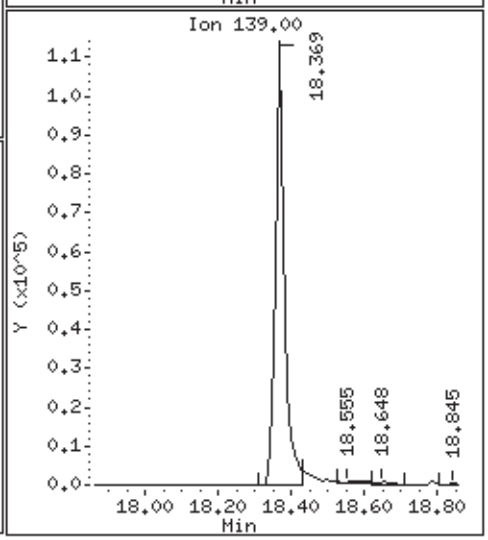












Data File: /chem/msdp.i/p21dec07.b/p122113.d

Date : 21-DEC-2007 15:19

Client ID: LCS

Instrument: msdp.i

Sample Info: ;1500-79-50;LCS

Volume Injected (uL): 1.0

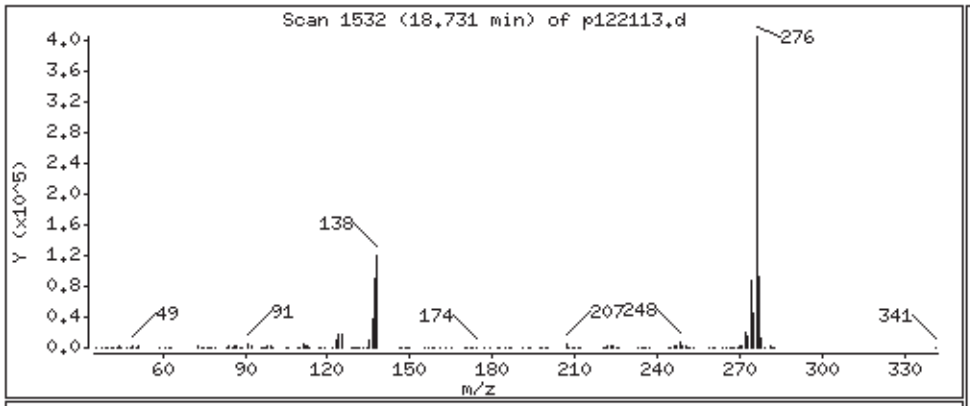
Operator: LP

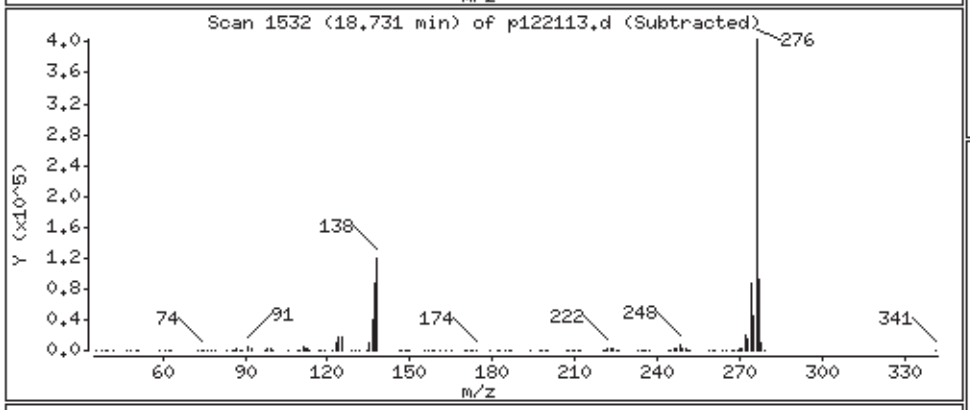
Column phase: DB-5.625

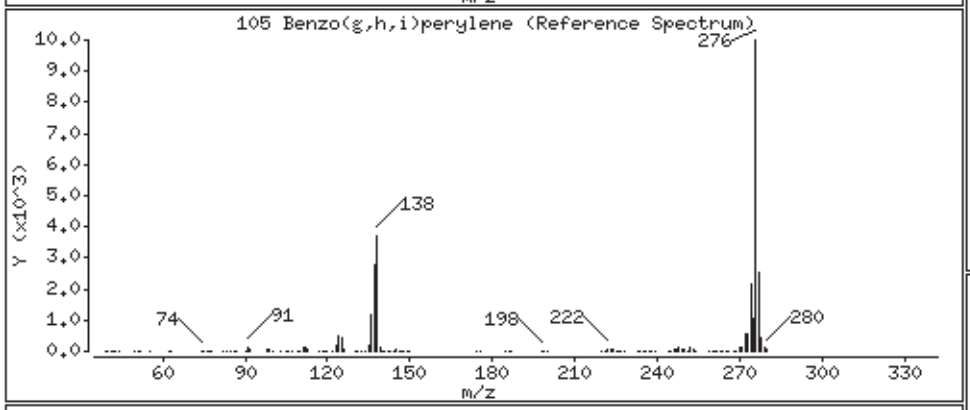
Column diameter: 0.25

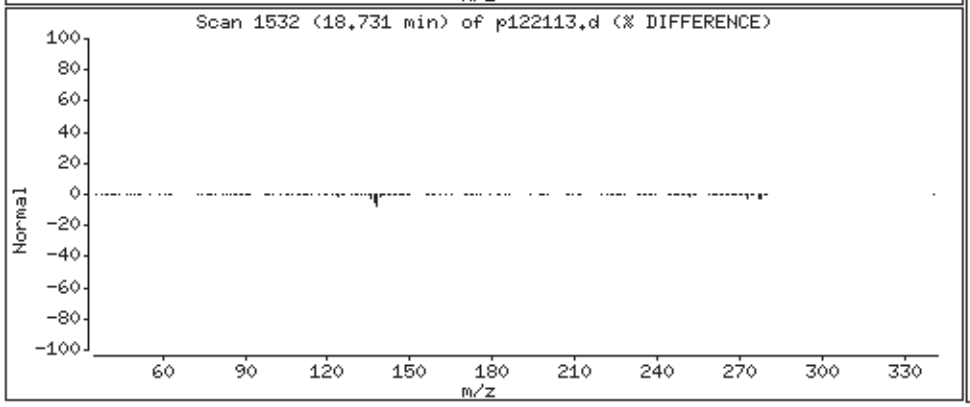
105 Benzo(g,h,i)perylene

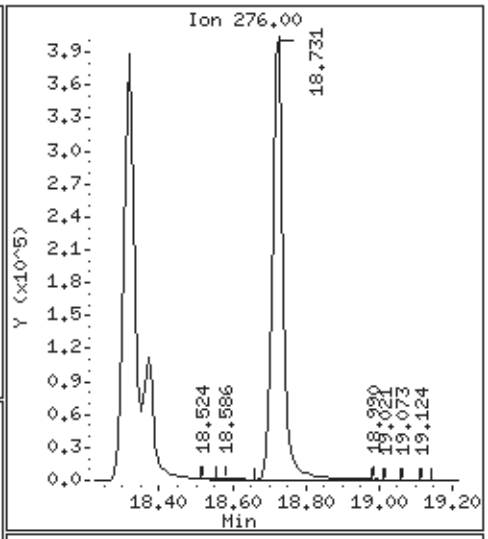
Concentration: 54.94 ug

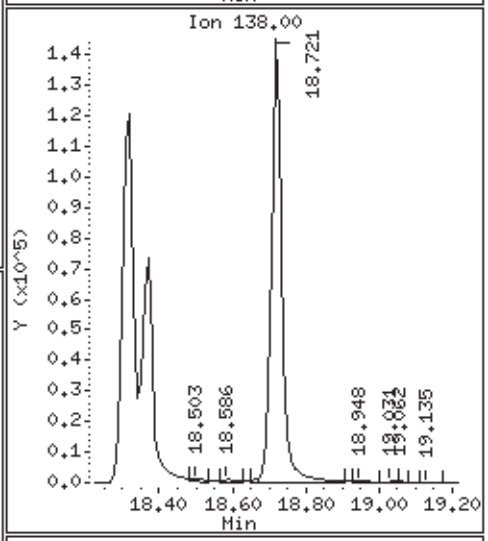


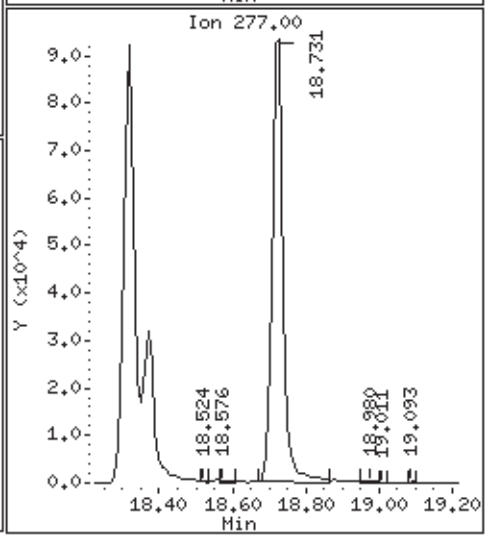












Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122104.d
Lab Smp Id: 1500-101-1.0 Client Smp ID: Level 1
Inj Date : 21-DEC-2007 10:54
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-1.0;Level 1
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 27-Dec-2007 15:22 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 10:54 Cal File: p122104.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 1ng.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 17 Nitrobenzene-d5	82	5.441	5.442	(0.859)	8307	1.00000	0.9394
$ 83 Fluoranthene-d10	212	11.786	11.786	(1.141)	15194	1.00000	0.8785(a)
$ 101 Benzo(a)pyrene-d12	264	16.371	16.382	(0.991)	9839	1.00000	0.7748(aH)
$ 147 Fluorene-d10	176	9.157	9.168	(1.071)	13118	1.00000	1.011
$ 148 Pyrene-d10	212	12.076	12.076	(0.863)	17855	1.00000	1.036
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	312818	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	820707	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	472746	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	786881	40.0000	
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	689078	40.0000	
* 99 Perylene-d12	264	16.527	16.527	(1.000)	497705	40.0000	
4 bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	9326	1.00000	1.174
41 Aniline	93	4.334	4.334	(0.925)	14554	1.00000	1.208

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	9026	1.00000	1.180
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	10156	1.00000	1.272
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	5598	1.00000	1.065
11	1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	8400	1.00000	1.145
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	16452	1.00000	1.134
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	6280	1.00000	1.098
16	Hexachloroethane	117	5.338	5.338	(1.139)	3006	1.00000	1.003
18	Nitrobenzene	77	5.462	5.462	(0.863)	8529	1.00000	0.9411
19	Isophorone	82	5.773	5.773	(0.912)	14358	1.00000	0.9398
23	bis(2-Chloroethoxy)methane	93	6.094	6.104	(0.962)	10824	1.00000	1.056
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	6421	1.00000	1.041
28	Naphthalene	128	6.352	6.352	(1.003)	26308	1.00000	1.116
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	3431	1.00000	1.024
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	16112	1.00000	1.128
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	16288	1.00000	1.117
39	2-Chloronaphthalene	162	7.832	7.833	(0.916)	14360	1.00000	1.039
45	Acenaphthylene	152	8.350	8.350	(0.977)	20901	1.00000	0.9256
48	Acenaphthene*	154	8.578	8.588	(1.004)	14274	1.00000	1.046
51	Dibenzofuran	168	8.774	8.774	(1.027)	20837	1.00000	1.101
57	Fluorene	166	9.199	9.199	(1.076)	16141	1.00000	1.065
58	4-Chlorophenyl phenyl ether	204	9.219	9.230	(1.079)	7491	1.00000	1.074
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	3548	1.00000	0.9270
66	Hexachlorobenzene	284	9.965	9.965	(0.965)	4823	1.00000	1.101
144	Carbazole	167	10.617	10.627	(2.266)	19262	1.00000	1.052
72	Phenanthrene	178	10.348	10.348	(1.002)	24144	1.00000	1.116
73	Anthracene	178	10.399	10.410	(1.007)	19903	1.00000	0.9523
80	Fluoranthene*	202	11.807	11.817	(1.143)	20938	1.00000	1.008
81	Pyrene	202	12.097	12.107	(0.865)	22784	1.00000	1.015
88	Benzo(a)Anthracene	228	13.960	13.960	(0.998)	17827	1.00000	0.8429
91	Chrysene	228	14.022	14.032	(1.002)	21317	1.00000	0.9896
95	Benzo(b)fluoranthene	252	15.864	15.864	(0.960)	16006	1.00000	0.8166
96	Benzo(k)fluoranthene	252	15.906	15.916	(0.962)	18726	1.00000	0.8885
97	Benzo(e)pyrene	252	16.330	16.340	(0.988)	17147	1.00000	0.9219(aH)
98	Benzo(a)pyrene*	252	16.413	16.423	(0.993)	15569	1.00000	0.8365(H)
103	Indeno(1,2,3-cd)pyrene	276	18.296	18.307	(1.107)	13396	1.00000	0.7022(H)
104	Dibenzo(a,h)anthracene	278	18.359	18.369	(1.111)	13118	1.00000	0.8283
105	Benzo(g,h,i)perylene	276	18.700	18.721	(1.132)	14406	1.00000	0.8188

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122104.d
Lab Smp Id: 1500-101-1.0
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 1
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	312818	7.50
27 Naphthalene-d8	673378	336689	1346756	820707	21.88
47 Acenaphthene-d10	362252	181126	724504	472746	30.50
71 Phenanthrene-d10	605762	302881	1211524	786881	29.90
90 Chrysene-d12	511454	255727	1022908	689078	34.73
99 Perylene-d12	379203	189602	758406	497705	31.25

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Page 1
Data File: /chem/msdp.i/p21dec07.b/p122104.d
Date : 21-DEC-2007 10:54
Client ID: Level 1
Sample Info: :1500-101-1.0:Level 1
Volume Injected (uL): 1.0
Column phase: DB-5.625
Instrument: msdp.i
Operator: LP
Column diameter: 0.25
/chem/msdp.i/p21dec07.b/p122104.d
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4+
Naphthalene-d8+
Acenaphthene-d10
Phenanthrene-d10+
-Chrysene-d12+
-Perylene-d12
-Dibenzo(a,h)anthracene+

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122105.d
Lab Smp Id: 1500-101-5.0 Client Smp ID: Level 2
Inj Date : 21-DEC-2007 11:24
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-5.0;Level 2
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 11:24 Cal File: p122105.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 5ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	39876	5.00000	5.434
$ 2 Phenol-d5	99	4.313	4.313	(0.920)	53869	5.00000	5.744
$ 17 Nitrobenzene-d5	82	5.441	5.442	(0.859)	43544	5.00000	5.063
$ 62 2,4,6-Tribromophenol	330	9.519	9.520	(1.114)	9053	5.00000	4.662
$ 101 Benzo(a)pyrene-d12	264	16.371	16.382	(0.991)	61038	5.00000	0.6217(aH)
$ 83 Fluoranthene-d10	212	11.786	11.786	(1.141)	85581	5.00000	5.214
$ 147 Fluorene-d10	176	9.157	9.168	(1.071)	70395	5.00000	5.639
$ 148 Pyrene-d10	212	12.076	12.076	(0.863)	90587	5.00000	5.258
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	309211	40.0000	
* 27 Naphthalene-d8	136	6.331	6.332	(1.000)	792559	40.0000	
* 47 Acenaphthene-d10	164	8.546	8.547	(1.000)	449086	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	746792	40.0000	
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	681670	40.0000	
* 99 Perylene-d12	264	16.526	16.527	(1.000)	483493	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
3	Phenol*	94	4.324	4.334	(0.923)	61549	5.00000	5.808
41	Aniline	93	4.334	4.334	(0.925)	71786	5.00000	5.785
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	45907	5.00000	5.656
5	2-Chlorophenol	128	4.468	4.469	(0.954)	41900	5.00000	5.565
6	1,3-Dichlorobenzene	146	4.644	4.645	(0.991)	45980	5.00000	5.854
9	1,4-Dichlorobenzene*	146	4.706	4.707	(1.004)	47456	5.00000	5.781
11	1,2-Dichlorobenzene	146	4.955	4.945	(1.057)	43306	5.00000	5.754
12	2-Methylphenol	108	5.100	5.100	(1.088)	41895	5.00000	5.734
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	83158	5.00000	5.612
14	4-Methylphenol	108	5.286	5.297	(1.128)	44068	5.00000	5.716
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	31944	5.00000	5.461
16	Hexachloroethane	117	5.338	5.338	(1.139)	17485	5.00000	5.688
18	Nitrobenzene	77	5.462	5.462	(0.863)	47430	5.00000	5.361
19	Isophorone	82	5.773	5.773	(0.912)	76010	5.00000	5.120
20	2-Nitrophenol*	139	5.876	5.887	(0.928)	18348	5.00000	4.435
21	2,4-Dimethylphenol	122	5.969	5.970	(0.943)	38113	5.00000	5.258
23	bis(2-Chloroethoxy)methane	93	6.093	6.104	(0.962)	53515	5.00000	5.322
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	29343	5.00000	5.013
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	33698	5.00000	5.539
28	Naphthalene	128	6.352	6.352	(1.003)	125627	5.00000	5.392
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	19059	5.00000	5.760
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	34633	5.00000	5.040
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	78321	5.00000	5.539
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	79352	5.00000	5.506
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	19437	5.00000	4.841
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	20656	5.00000	4.814
39	2-Chloronaphthalene	162	7.832	7.833	(0.916)	70725	5.00000	5.297
40	2-Nitroaniline	65	8.019	8.019	(0.938)	22020	5.00000	4.185
46	3-Nitroaniline	138	8.536	8.536	(0.999)	19566	5.00000	4.704
42	Dimethylphthalate	163	8.308	8.319	(0.972)	77206	5.00000	5.295
44	2,6-Dinitrotoluene	165	8.381	8.391	(0.981)	16373	5.00000	4.642
45	Acenaphthylene	152	8.350	8.350	(0.977)	114079	5.00000	5.254
48	Acenaphthene*	154	8.577	8.588	(1.004)	72175	5.00000	5.474
50	4-Nitrophenol**	109	8.774	8.774	(1.027)	7180	5.00000	3.130
52	2,4-Dinitrotoluene	165	8.847	8.857	(1.035)	19705	5.00000	4.246
51	Dibenzofuran	168	8.774	8.774	(1.027)	102132	5.00000	5.554
56	Diethylphthalate	149	9.178	9.188	(1.074)	75322	5.00000	5.224
57	Fluorene	166	9.198	9.199	(1.076)	84291	5.00000	5.679
58	4-Chlorophenyl phenyl ether	204	9.219	9.230	(1.079)	37040	5.00000	5.477
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	20368	5.00000	5.494
66	Hexachlorobenzene	284	9.964	9.965	(0.965)	23602	5.00000	5.543
144	Carbazole	167	10.616	10.627	(2.266)	107963	5.00000	5.769
72	Phenanthrene	178	10.347	10.348	(1.002)	117729	5.00000	5.607
73	Anthracene	178	10.399	10.410	(1.007)	111376	5.00000	5.509
78	Di-n-butylphthalate	149	11.165	11.165	(1.081)	117747	5.00000	4.850
80	Fluoranthene*	202	11.807	11.817	(1.143)	108022	5.00000	5.372
81	Pyrene	202	12.097	12.107	(0.865)	123372	5.00000	5.472

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
85 Butyl benzyl phthalate	149	13.225	13.225	(0.945)	48759	5.00000	4.286
88 Benzo(a)Anthracene	228	13.960	13.960	(0.998)	103960	5.00000	4.970
91 Chrysene	228	14.032	14.032	(1.003)	115589	5.00000	5.381
93 bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	58972	5.00000	3.933
94 Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	71159	5.00000	3.252
95 Benzo(b)fluoranthene	252	15.864	15.864	(0.960)	95458	5.00000	5.011
96 Benzo(k)fluoranthene	252	15.905	15.916	(0.962)	105571	5.00000	5.084
97 Benzo(e)pyrene	252	16.330	16.340	(0.988)	93100	5.00000	5.098(H)
98 Benzo(a)pyrene*	252	16.413	16.423	(0.993)	94323	5.00000	5.132
103 Indeno(1,2,3-cd)pyrene	276	18.307	18.307	(1.108)	90900	5.00000	4.901
104 Dibenzo(a,h)anthracene	278	18.358	18.369	(1.111)	80857	5.00000	5.209
105 Benzo(g,h,i)perylene	276	18.710	18.721	(1.132)	89042	5.00000	5.179
10 Benzyl Alcohol	108	4.914	4.914	(1.049)	28994	5.00000	5.407

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122105.d
Lab Smp Id: 1500-101-5.0
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 2
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	309211	6.27
27 Naphthalene-d8	673378	336689	1346756	792559	17.70
47 Acenaphthene-d10	362252	181126	724504	449086	23.97
71 Phenanthrene-d10	605762	302881	1211524	746792	23.28
90 Chrysene-d12	511454	255727	1022908	681670	33.28
99 Perylene-d12	379203	189602	758406	483493	27.50

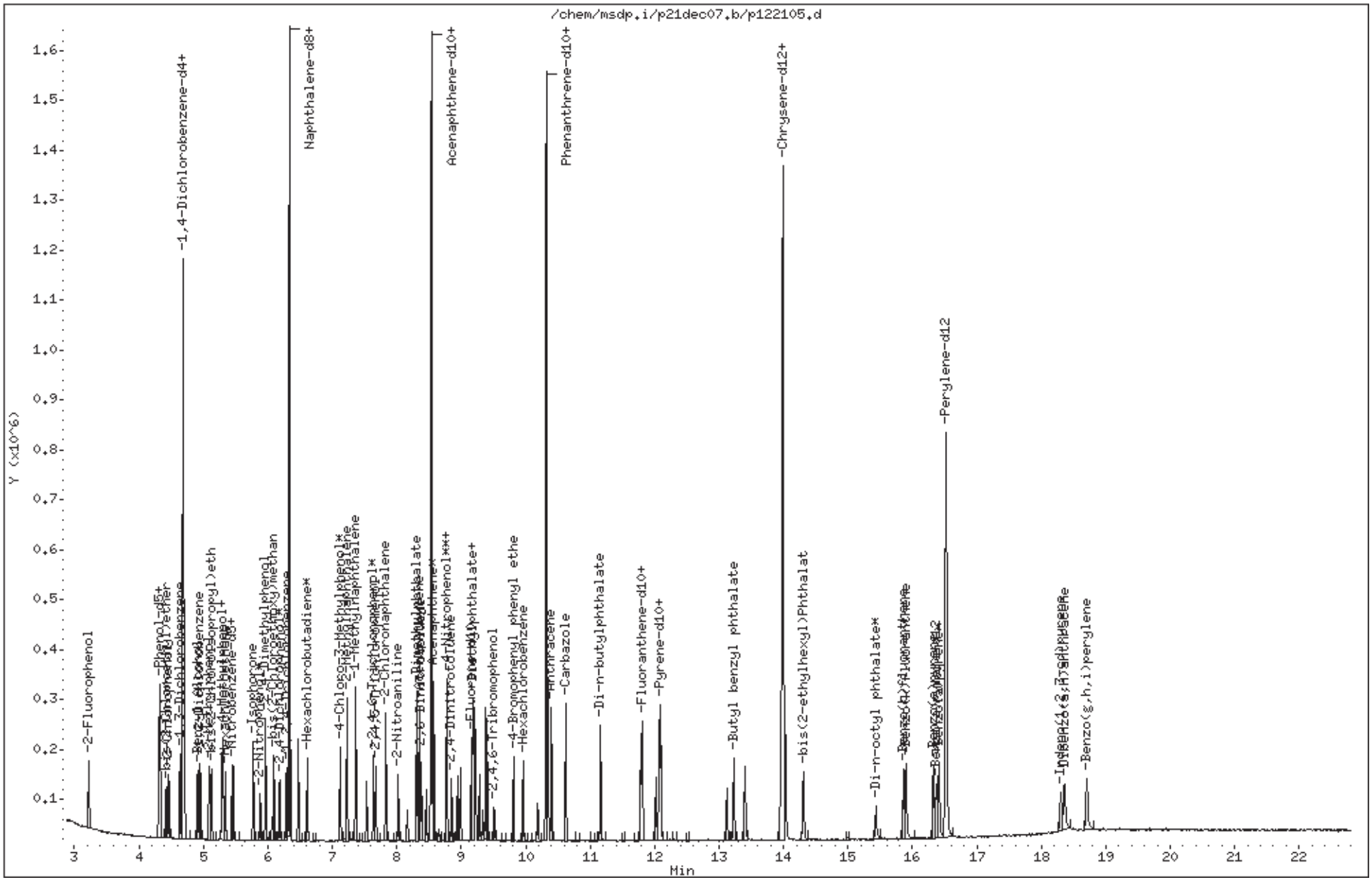
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	-0.01
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdp.i/p21dec07.b/p122105.d
Date : 21-DEC-2007 11:24
Client ID: Level 2
Sample Info: ;1500-101-5.0;Level 2
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25

0187



Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122106.d
Lab Smp Id: 1500-101-10 Client Smp ID: Level 3
Inj Date : 21-DEC-2007 11:53
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-10;Level 3
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 11:53 Cal File: p122106.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 10ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	83341	10.0000	11.34
$ 2 Phenol-d5	99	4.313	4.313	(0.920)	106126	10.0000	11.30
$ 17 Nitrobenzene-d5	82	5.442	5.442	(0.859)	91511	10.0000	10.68
$ 62 2,4,6-Tribromophenol	330	9.520	9.520	(1.114)	19655	10.0000	10.27
$ 101 Benzo(a)pyrene-d12	264	16.371	16.382	(0.991)	134602	10.0000	1.449(H)
$ 83 Fluoranthene-d10	212	11.786	11.786	(1.141)	174434	10.0000	10.55
$ 147 Fluorene-d10	176	9.157	9.168	(1.071)	128084	10.0000	10.41
$ 148 Pyrene-d10	212	12.076	12.076	(0.863)	184486	10.0000	10.60
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	309728	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	789823	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	442681	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	752187	40.0000	
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	688426	40.0000	
* 99 Perylene-d12	264	16.527	16.527	(1.000)	485445	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
3	Phenol*	94	4.324	4.334	(0.923)	125509	10.0000	11.82
41	Aniline	93	4.334	4.334	(0.925)	141335	10.0000	11.37
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	93012	10.0000	11.44
5	2-Chlorophenol	128	4.458	4.469	(0.951)	86058	10.0000	11.41
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	89114	10.0000	11.33
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	93417	10.0000	11.36
11	1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	86032	10.0000	11.41
12	2-Methylphenol	108	5.100	5.100	(1.088)	82276	10.0000	11.24
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	166128	10.0000	11.19
14	4-Methylphenol	108	5.286	5.297	(1.128)	86834	10.0000	11.24
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	64748	10.0000	11.05
16	Hexachloroethane	117	5.338	5.338	(1.139)	36096	10.0000	11.72
18	Nitrobenzene	77	5.462	5.462	(0.863)	92988	10.0000	10.55
19	Isophorone	82	5.773	5.773	(0.912)	153305	10.0000	10.36
20	2-Nitrophenol*	139	5.876	5.887	(0.928)	40582	10.0000	9.844
21	2,4-Dimethylphenol	122	5.969	5.970	(0.943)	78891	10.0000	10.92
23	bis(2-Chloroethoxy)methane	93	6.094	6.104	(0.962)	107385	10.0000	10.72
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	62492	10.0000	10.71
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	65984	10.0000	10.88
28	Naphthalene	128	6.352	6.352	(1.003)	248665	10.0000	10.71
29	4-Chloroaniline	127	6.477	6.477	(1.023)	101860	10.0000	10.64
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	36009	10.0000	10.92
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	72522	10.0000	10.59
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	156047	10.0000	11.07
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	158028	10.0000	11.00
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	39527	10.0000	9.987
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	41902	10.0000	9.907
39	2-Chloronaphthalene	162	7.833	7.833	(0.916)	140595	10.0000	10.68
40	2-Nitroaniline	65	8.019	8.019	(0.938)	49446	10.0000	9.533
46	3-Nitroaniline	138	8.536	8.536	(0.999)	41711	10.0000	10.17
42	Dimethylphthalate	163	8.309	8.319	(0.972)	154526	10.0000	10.75
44	2,6-Dinitrotoluene	165	8.381	8.391	(0.981)	34112	10.0000	9.812
45	Acenaphthylene	152	8.350	8.350	(0.977)	228570	10.0000	10.68
48	Acenaphthene*	154	8.578	8.588	(1.004)	139473	10.0000	10.73
52	2,4-Dinitrotoluene	165	8.847	8.857	(1.035)	45106	10.0000	9.861
51	Dibenzofuran	168	8.774	8.774	(1.027)	200073	10.0000	11.04
56	Diethylphthalate	149	9.188	9.188	(1.075)	153101	10.0000	10.77
57	Fluorene	166	9.199	9.199	(1.076)	164351	10.0000	11.23
58	4-Chlorophenyl phenyl ether	204	9.219	9.230	(1.079)	69727	10.0000	10.46
59	4-Nitroaniline	138	9.282	9.292	(1.086)	43802	10.0000	9.504
60	4,6-Dinitro-2-methylphenol	198	9.333	9.344	(0.904)	19164	10.0000	7.824
61	N-nitrosodiphenylamine*	169	9.375	9.385	(0.908)	134983	10.0000	10.93
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	40448	10.0000	10.83
66	Hexachlorobenzene	284	9.965	9.965	(0.965)	46665	10.0000	10.88
144	Carbazole	167	10.617	10.627	(2.266)	218792	10.0000	11.67
72	Phenanthrene	178	10.348	10.348	(1.002)	228825	10.0000	10.82
73	Anthracene	178	10.399	10.410	(1.007)	216284	10.0000	10.62

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 Di-n-butylphthalate	149	11.165	11.165	(1.081)	251294	10.0000	10.28
80 Fluoranthene*	202	11.807	11.817	(1.143)	228131	10.0000	11.26
81 Pyrene	202	12.097	12.107	(0.865)	244312	10.0000	10.73
85 Butyl benzyl phthalate	149	13.225	13.225	(0.945)	111275	10.0000	9.686
88 Benzo(a)Anthracene	228	13.960	13.960	(0.998)	221486	10.0000	10.48
91 Chrysene	228	14.032	14.032	(1.003)	232239	10.0000	10.71
93 bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	138060	10.0000	9.118
94 Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	190180	10.0000	8.658
95 Benzo(b)fluoranthene	252	15.864	15.864	(0.960)	205549	10.0000	10.75
96 Benzo(k)fluoranthene	252	15.906	15.916	(0.962)	235797	10.0000	11.31(H)
97 Benzo(e)pyrene	252	16.330	16.340	(0.988)	200063	10.0000	10.91(H)
98 Benzo(a)pyrene*	252	16.413	16.423	(0.993)	205595	10.0000	11.14
103 Indeno(1,2,3-cd)pyrene	276	18.307	18.307	(1.108)	201015	10.0000	10.79
104 Dibenzo(a,h)anthracene	278	18.359	18.369	(1.111)	174213	10.0000	11.18
105 Benzo(g,h,i)perylene	276	18.711	18.721	(1.132)	184000	10.0000	10.66
10 Benzyl Alcohol	108	4.914	4.914	(1.049)	59011	10.0000	10.99

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122106.d
Lab Smp Id: 1500-101-10
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 3
Level: LOW
Sample Type: PUF/XAD

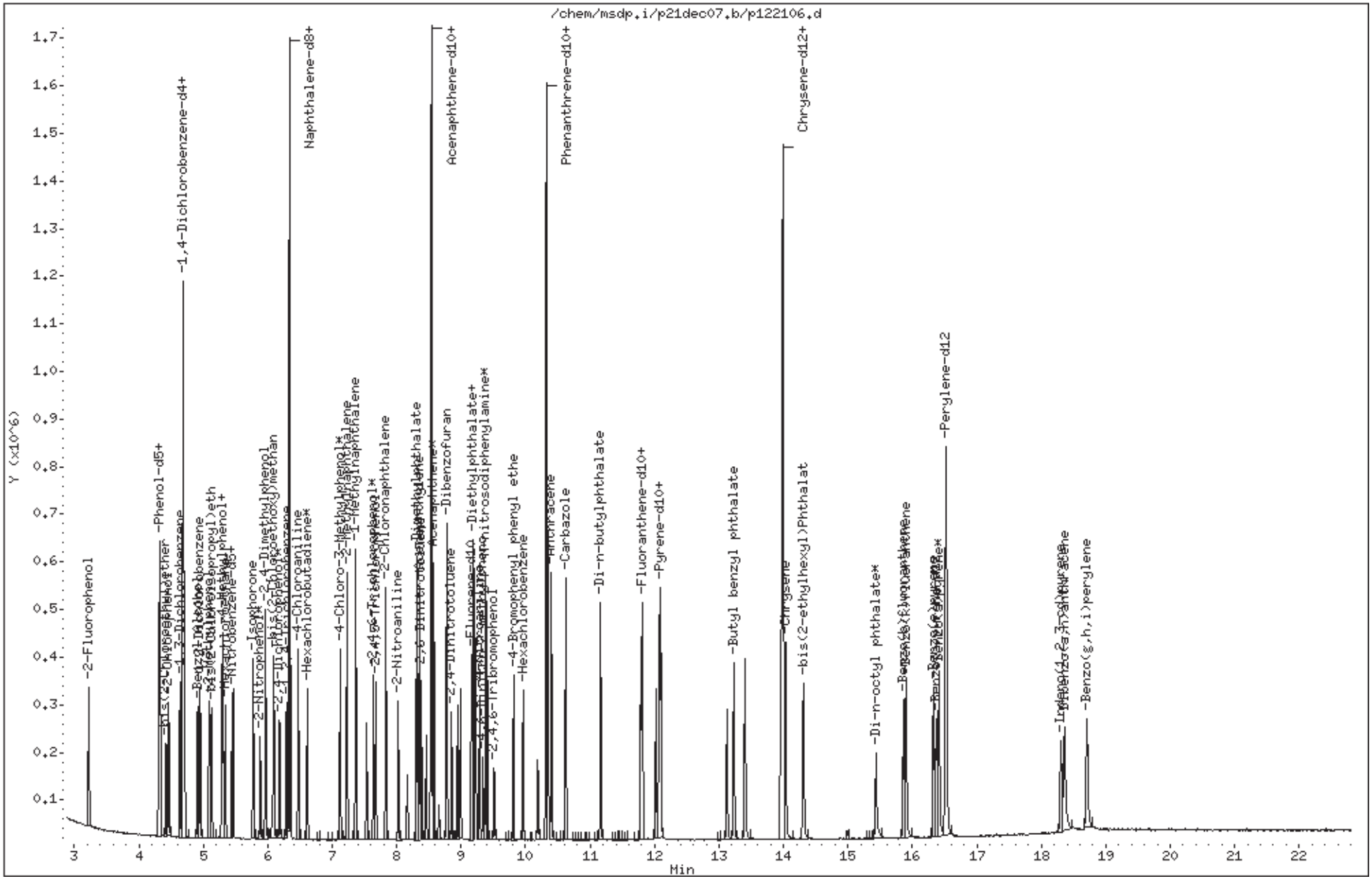
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	309728	6.44
27 Naphthalene-d8	673378	336689	1346756	789823	17.29
47 Acenaphthene-d10	362252	181126	724504	442681	22.20
71 Phenanthrene-d10	605762	302881	1211524	752187	24.17
90 Chrysene-d12	511454	255727	1022908	688426	34.60
99 Perylene-d12	379203	189602	758406	485445	28.02

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdp.i/p21dec07.b/p122106.d
Date : 21-DEC-2007 11:53
Client ID: Level 3
Sample Info: ;1500-101-10;Level 3
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122107.d
Lab Smp Id: 1500-101-20 Client Smp ID: Level 4
Inj Date : 21-DEC-2007 12:23
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-20;Level 4
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 12:23 Cal File: p122107.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 20ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	156063	20.0000	21.83
$ 2 Phenol-d5	99	4.313	4.313	(0.920)	204077	20.0000	22.33
$ 17 Nitrobenzene-d5	82	5.442	5.442	(0.859)	171164	20.0000	20.28
$ 62 2,4,6-Tribromophenol	330	9.520	9.520	(1.114)	38973	20.0000	20.92
$ 101 Benzo(a)pyrene-d12	264	16.382	16.382	(0.991)	269923	20.0000	2.891(H)
$ 83 Fluoranthene-d10	212	11.786	11.786	(1.141)	332530	20.0000	21.05
$ 147 Fluorene-d10	176	9.168	9.168	(1.073)	241186	20.0000	20.13
$ 148 Pyrene-d10	212	12.076	12.076	(0.863)	342986	20.0000	19.98
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	301295	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	777956	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	430887	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	718796	40.0000	
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	679212	40.0000	
* 99 Perylene-d12	264	16.527	16.527	(1.000)	497496	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
3	Phenol*	94	4.324	4.334	(0.923)	232038	20.0000	22.47
41	Aniline	93	4.334	4.334	(0.925)	261447	20.0000	21.62
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	168399	20.0000	21.29
5	2-Chlorophenol	128	4.469	4.469	(0.954)	160987	20.0000	21.94
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	162843	20.0000	21.28
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	169312	20.0000	21.17
11	1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	157283	20.0000	21.44
12	2-Methylphenol	108	5.100	5.100	(1.088)	153879	20.0000	21.62
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	304157	20.0000	21.06
14	4-Methylphenol	108	5.286	5.297	(1.128)	161766	20.0000	21.54
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	124259	20.0000	21.80
16	Hexachloroethane	117	5.338	5.338	(1.139)	65082	20.0000	21.73
18	Nitrobenzene	77	5.462	5.462	(0.863)	176185	20.0000	20.29
19	Isophorone	82	5.773	5.773	(0.912)	299049	20.0000	20.52
20	2-Nitrophenol*	139	5.876	5.887	(0.928)	81187	20.0000	19.99
21	2,4-Dimethylphenol	122	5.969	5.970	(0.943)	146185	20.0000	20.55
23	bis(2-Chloroethoxy)methane	93	6.094	6.104	(0.962)	199238	20.0000	20.19
24	Benzoic Acid	122	6.104	6.135	(0.964)	74298	20.0000	16.82
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	119535	20.0000	20.81
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	122651	20.0000	20.54
28	Naphthalene	128	6.352	6.352	(1.003)	465566	20.0000	20.36
29	4-Chloroaniline	127	6.477	6.477	(1.023)	199243	20.0000	21.14
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	64210	20.0000	19.77
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	138881	20.0000	20.59
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	276187	20.0000	19.90
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	288156	20.0000	20.37
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	67740	20.0000	19.23
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	80867	20.0000	20.99
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	83720	20.0000	20.34
39	2-Chloronaphthalene	162	7.832	7.833	(0.916)	258336	20.0000	20.16
40	2-Nitroaniline	65	8.019	8.019	(0.938)	99386	20.0000	19.68
46	3-Nitroaniline	138	8.536	8.536	(0.999)	81550	20.0000	20.44
42	Dimethylphthalate	163	8.319	8.319	(0.973)	286269	20.0000	20.46
44	2,6-Dinitrotoluene	165	8.381	8.391	(0.981)	70766	20.0000	20.91
45	Acenaphthylene	152	8.350	8.350	(0.977)	434474	20.0000	20.85
48	Acenaphthene*	154	8.578	8.588	(1.004)	258532	20.0000	20.44
49	2,4-Dinitrophenol**	184	8.660	8.661	(1.013)	28840	20.0000	15.68
50	4-Nitrophenol**	109	8.774	8.774	(1.027)	42623	20.0000	19.36
52	2,4-Dinitrotoluene	165	8.857	8.857	(1.036)	89173	20.0000	20.03
51	Dibenzofuran	168	8.774	8.774	(1.027)	361979	20.0000	20.52
56	Diethylphthalate	149	9.188	9.188	(1.075)	291737	20.0000	21.09
57	Fluorene	166	9.199	9.199	(1.076)	298660	20.0000	20.97
58	4-Chlorophenyl phenyl ether	204	9.219	9.230	(1.079)	131815	20.0000	20.32
59	4-Nitroaniline	138	9.281	9.292	(1.086)	87700	20.0000	19.55
60	4,6-Dinitro-2-methylphenol	198	9.333	9.344	(0.904)	44046	20.0000	18.82
61	N-nitrosodiphenylamine*	169	9.375	9.385	(0.908)	255979	20.0000	21.70
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	76805	20.0000	21.52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
66	Hexachlorobenzene	284	9.965	9.965	(0.965)	84850	20.0000	20.70
144	Carbazole	167	10.617	10.627	(2.266)	407467	20.0000	22.34
68	Pentachlorophenol*	266	10.192	10.192	(0.987)	47320	20.0000	20.05
72	Phenanthrene	178	10.348	10.348	(1.002)	426100	20.0000	21.08
73	Anthracene	178	10.399	10.410	(1.007)	419643	20.0000	21.56
78	Di-n-butylphthalate	149	11.165	11.165	(1.081)	485251	20.0000	20.77
80	Fluoranthene*	202	11.807	11.817	(1.143)	414993	20.0000	21.44
81	Pyrene	202	12.097	12.107	(0.865)	460220	20.0000	20.48
85	Butyl benzyl phthalate	149	13.225	13.225	(0.945)	230480	20.0000	20.33
89	3 3'-Dichlorobenzidine	252	14.001	14.001	(1.001)	141725	20.0000	19.58
88	Benzo(a)Anthracene	228	13.960	13.960	(0.998)	430591	20.0000	20.66
91	Chrysene	228	14.032	14.032	(1.003)	434028	20.0000	20.28
93	bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	296432	20.0000	19.84
94	Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	448489	20.0000	19.92
95	Benzo(b)fluoranthene	252	15.864	15.864	(0.960)	397438	20.0000	20.28
96	Benzo(k)fluoranthene	252	15.906	15.916	(0.962)	460721	20.0000	21.56(H)
97	Benzo(e)pyrene	252	16.330	16.340	(0.988)	391619	20.0000	20.84(H)
98	Benzo(a)pyrene*	252	16.423	16.423	(0.994)	403044	20.0000	21.31
103	Indeno(1,2,3-cd)pyrene	276	18.307	18.307	(1.108)	404960	20.0000	21.22(MH)
104	Dibenzo(a,h)anthracene	278	18.359	18.369	(1.111)	330727	20.0000	20.71
105	Benzo(g,h,i)perylene	276	18.711	18.721	(1.132)	375155	20.0000	21.21
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	114057	20.0000	21.83

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122107.d
Lab Smp Id: 1500-101-20
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 4
Level: LOW
Sample Type: PUF/XAD

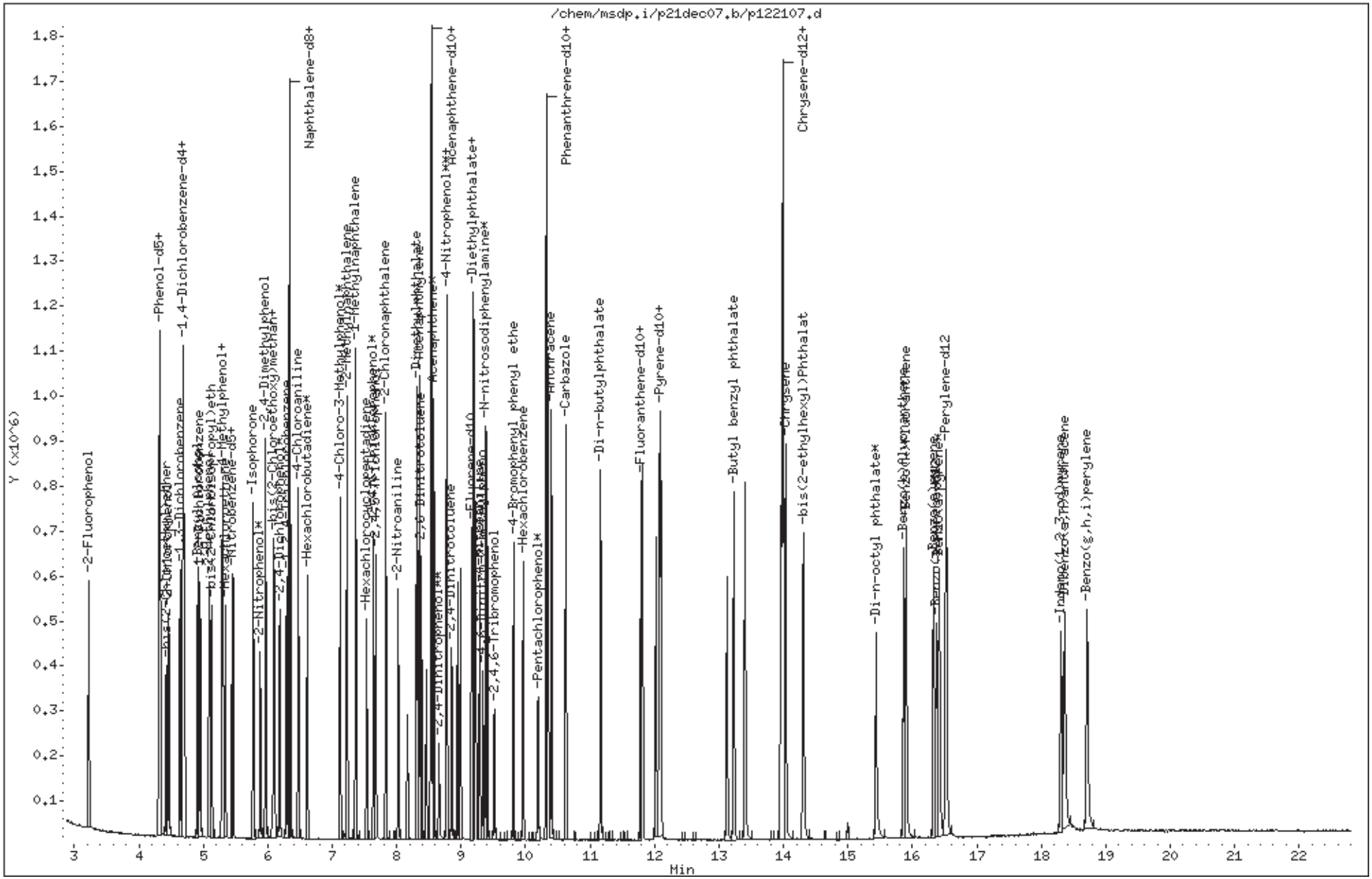
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	301295	3.54
27 Naphthalene-d8	673378	336689	1346756	777956	15.53
47 Acenaphthene-d10	362252	181126	724504	430887	18.95
71 Phenanthrene-d10	605762	302881	1211524	718796	18.66
90 Chrysene-d12	511454	255727	1022908	679212	32.80
99 Perylene-d12	379203	189602	758406	497496	31.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdp.i/p21dec07.b/p122107.d
Date : 21-DEC-2007 12:23
Client ID: Level 4
Sample Info: ;1500-101-20;Level 4
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122108.d
Lab Smp Id: 1500-101-40 Client Smp ID: Level 5
Inj Date : 21-DEC-2007 12:52
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-40;Level 5
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 12:52 Cal File: p122108.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 50ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	296493	40.0000	38.33	
$ 2 Phenol-d5	99	4.313	4.313	(0.920)	380409	40.0000	38.04	
$ 17 Nitrobenzene-d5	82	5.441	5.442	(0.859)	327052	40.0000	39.84	
$ 62 2,4,6-Tribromophenol	330	9.519	9.520	(1.114)	73279	40.0000	40.80	
$ 83 Fluoranthene-d10	212	11.786	11.786	(1.141)	617496	40.0000	40.36	
$ 101 Benzo(a)pyrene-d12	264	16.382	16.382	(1.000)	515723	40.0000	4.642	
$ 147 Fluorene-d10	176	9.168	9.168	(1.073)	461063	40.0000	38.99	
$ 148 Pyrene-d10	212	12.076	12.076	(0.863)	628176	40.0000	38.74	
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	307706	40.0000		
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	750895	40.0000		
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	414608	40.0000		
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	696200	40.0000		
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	627186	40.0000		
* 99 Perylene-d12	264	16.527	16.527	(1.000)	479536	40.0000		(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
3	Phenol*	94	4.334	4.334	(0.925)	425300	40.0000	37.25
41	Aniline	93	4.334	4.334	(0.925)	484846	40.0000	36.60
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	316359	40.0000	36.84
5	2-Chlorophenol	128	4.469	4.469	(0.954)	299608	40.0000	37.65
6	1,3-Dichlorobenzene	146	4.644	4.645	(0.991)	305699	40.0000	36.62
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	309982	40.0000	35.37
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	220207	40.0000	39.38
11	1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	290481	40.0000	36.53
12	2-Methylphenol	108	5.100	5.100	(1.088)	297252	40.0000	38.38
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	583854	40.0000	37.57
14	4-Methylphenol	108	5.297	5.297	(1.130)	312890	40.0000	38.37
15	N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	234021	40.0000	38.29
16	Hexachloroethane	117	5.338	5.338	(1.139)	122666	40.0000	37.95
18	Nitrobenzene	77	5.462	5.462	(0.863)	339862	40.0000	39.97
19	Isophorone	82	5.773	5.773	(0.912)	578926	40.0000	40.84
20	2-Nitrophenol*	139	5.876	5.887	(0.928)	164971	40.0000	42.25
21	2,4-Dimethylphenol	122	5.969	5.970	(0.943)	273710	40.0000	38.67
23	bis(2-Chloroethoxy)methane	93	6.104	6.104	(0.964)	384305	40.0000	39.14
24	Benzoic Acid	122	6.135	6.135	(0.969)	170488	40.0000	42.69
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	228172	40.0000	39.87
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	231283	40.0000	38.56
28	Naphthalene	128	6.352	6.352	(1.003)	870593	40.0000	38.02
29	4-Chloroaniline	127	6.476	6.477	(1.023)	369587	40.0000	39.38
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	124542	40.0000	38.32
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	268838	40.0000	40.46
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	519502	40.0000	37.32
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	538636	40.0000	37.84
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	133310	40.0000	39.98
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	147239	40.0000	39.53
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	159955	40.0000	40.47
39	2-Chloronaphthalene	162	7.832	7.833	(0.916)	488704	40.0000	38.93
40	2-Nitroaniline	65	8.019	8.019	(0.938)	200764	40.0000	42.79
46	3-Nitroaniline	138	8.536	8.536	(0.999)	152670	40.0000	39.89
42	Dimethylphthalate	163	8.319	8.319	(0.973)	526341	40.0000	38.23
44	2,6-Dinitrotoluene	165	8.391	8.391	(0.982)	132169	40.0000	40.76
45	Acenaphthylene	152	8.350	8.350	(0.977)	799026	40.0000	39.44
48	Acenaphthene*	154	8.588	8.588	(1.005)	474232	40.0000	37.86
49	2,4-Dinitrophenol**	184	8.660	8.661	(1.013)	67013	40.0000	42.81
50	4-Nitrophenol**	109	8.774	8.774	(1.027)	85635	40.0000	41.12
52	2,4-Dinitrotoluene	165	8.857	8.857	(1.036)	178017	40.0000	42.43
51	Dibenzofuran	168	8.785	8.774	(1.028)	650639	40.0000	37.01
56	Diethylphthalate	149	9.188	9.188	(1.075)	524255	40.0000	38.54
57	Fluorene	166	9.199	9.199	(1.076)	522575	40.0000	36.65
58	4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	246130	40.0000	38.39
59	4-Nitroaniline	138	9.292	9.292	(1.087)	178629	40.0000	42.14
60	4,6-Dinitro-2-methylphenol	198	9.344	9.344	(0.905)	97508	40.0000	44.64
61	N-nitrosodiphenylamine*	169	9.385	9.385	(0.909)	472039	40.0000	39.26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	139610	40.0000	39.23
66	Hexachlorobenzene	284	9.965	9.965	(0.965)	157667	40.0000	38.12
144	Carbazole	167	10.627	10.627	(2.268)	777339	40.0000	39.13
68	Pentachlorophenol*	266	10.192	10.192	(0.987)	92309	40.0000	40.10
72	Phenanthrene	178	10.347	10.348	(1.002)	766196	40.0000	37.41
73	Anthracene	178	10.410	10.410	(1.008)	774429	40.0000	39.77
78	Di-n-butylphthalate	149	11.165	11.165	(1.081)	939430	40.0000	40.86
80	Fluoranthene*	202	11.817	11.817	(1.144)	763220	40.0000	39.22
81	Pyrene	202	12.107	12.107	(0.865)	816545	40.0000	38.25
85	Butyl benzyl phthalate	149	13.225	13.225	(0.945)	439508	40.0000	42.56
89	3 3'-Dichlorobenzidine	252	14.001	14.001	(1.001)	271837	40.0000	40.84
88	Benzo(a)Anthracene	228	13.960	13.960	(0.998)	796396	40.0000	41.53
91	Chrysene	228	14.032	14.032	(1.003)	784125	40.0000	38.94
93	bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	588516	40.0000	44.32
94	Di-n-octyl phthalate*	149	15.440	15.440	(0.942)	952291	40.0000	46.59
95	Benzo(b)fluoranthene	252	15.864	15.864	(0.968)	805902	40.0000	42.31
96	Benzo(k)fluoranthene	252	15.916	15.916	(0.972)	825585	40.0000	39.53
97	Benzo(e)pyrene	252	16.340	16.340	(0.997)	741052	40.0000	40.26
98	Benzo(a)pyrene*	252	16.423	16.423	(1.003)	737145	40.0000	40.09(H)
103	Indeno(1,2,3-cd)pyrene	276	18.307	18.307	(1.118)	781742	40.0000	42.93
104	Dibenzo(a,h)anthracene	278	18.369	18.369	(1.121)	578170	40.0000	37.60
105	Benzo(g,h,i)perylene	276	18.721	18.721	(1.143)	710587	40.0000	41.42

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122108.d
Lab Smp Id: 1500-101-40
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 5
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	307706	5.75
27 Naphthalene-d8	673378	336689	1346756	750895	11.51
47 Acenaphthene-d10	362252	181126	724504	414608	14.45
71 Phenanthrene-d10	605762	302881	1211524	696200	14.93
90 Chrysene-d12	511454	255727	1022908	627186	22.63
99 Perylene-d12	379203	189602	758406	479536	26.46

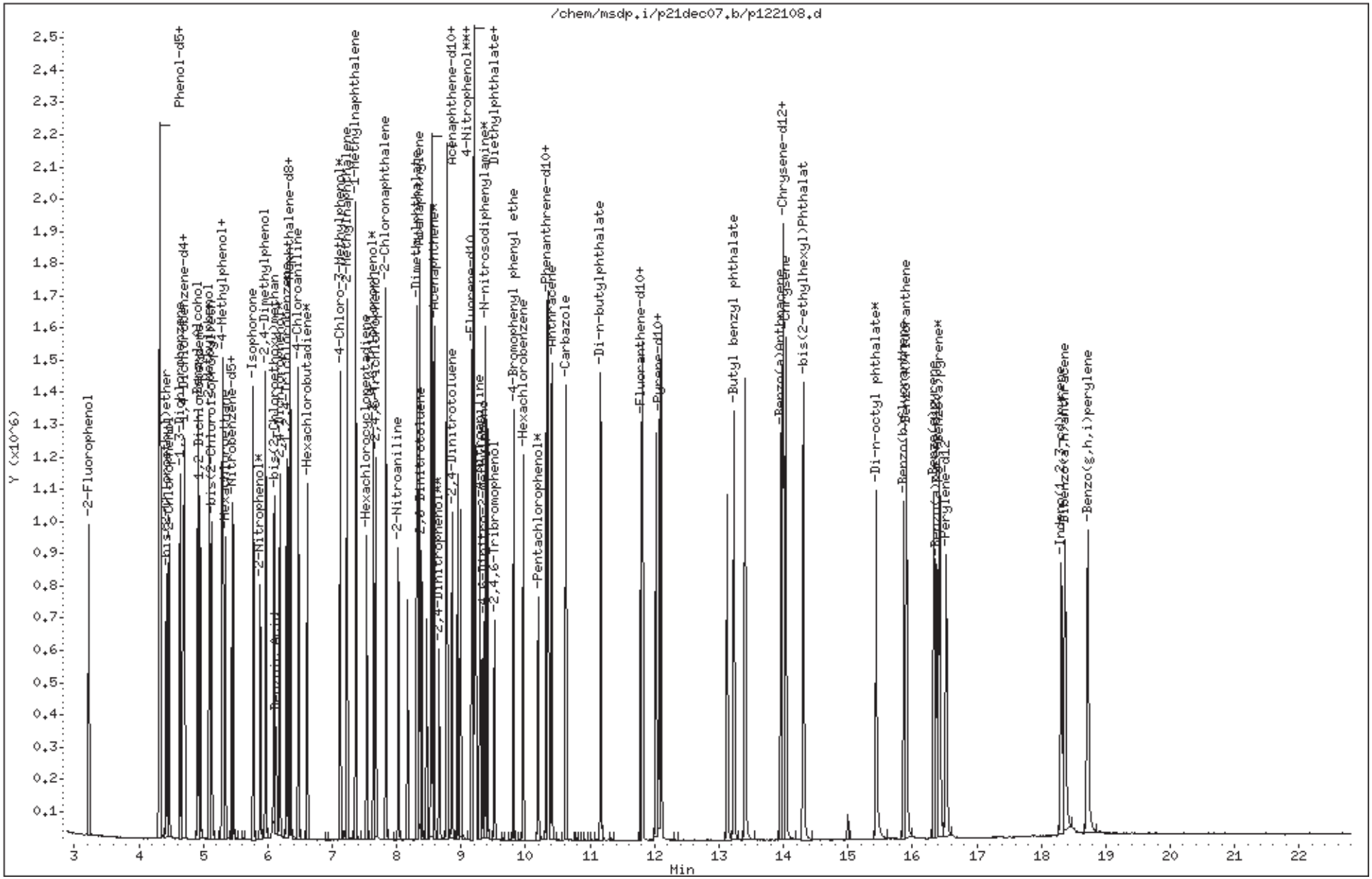
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

0202

Data File: /chem/msdp.i/p21dec07.b/p122108.d
Date : 21-DEC-2007 12:52
Client ID: Level 5
Sample Info: ;1500-101-40;Level 5
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122109.d
Lab Smp Id: 1500-101-50 Client Smp ID: Level 6
Inj Date : 21-DEC-2007 13:22
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-50;Level 6
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 50ccv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
$	1 2-Fluorophenol	112	3.227	3.227	(0.689)	334622	50.0000	50.12
$	2 Phenol-d5	99	4.313	4.313	(0.920)	416477	50.0000	49.18
	3 Phenol*	94	4.334	4.334	(0.925)	467763	50.0000	49.05
	41 Aniline	93	4.334	4.334	(0.925)	537155	50.0000	47.94
	4 bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	353171	50.0000	47.80
	5 2-Chlorophenol	128	4.469	4.469	(0.954)	339946	50.0000	49.70
	6 1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	342768	50.0000	48.20
*	7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	290980	40.0000	
	9 1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	353342	50.0000	47.60(H)
	10 Benzyl Alcohol	108	4.914	4.914	(1.049)	240071	50.0000	49.09
	11 1,2-Dichlorobenzene	146	4.945	4.945	(1.055)	330499	50.0000	48.42
	12 2-Methylphenol	108	5.100	5.100	(1.088)	327289	50.0000	49.39
	13 bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	656200	50.0000	48.61
	14 4-Methylphenol	108	5.297	5.297	(1.130)	344653	50.0000	49.43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	15 N-Nitrosodipropylamine**	70	5.307	5.307	(1.133)	260456	50.0000	48.94
	16 Hexachloroethane	117	5.338	5.338	(1.139)	140841	50.0000	50.53
$	17 Nitrobenzene-d5	82	5.442	5.442	(0.859)	370850	50.0000	51.11(H)
	18 Nitrobenzene	77	5.462	5.462	(0.863)	376038	50.0000	50.57
	19 Isophorone	82	5.773	5.773	(0.912)	628769	50.0000	50.16
	20 2-Nitrophenol*	139	5.887	5.887	(0.930)	185836	50.0000	53.39
	21 2,4-Dimethylphenol	122	5.970	5.970	(0.943)	303508	50.0000	50.21
	24 Benzoic Acid	122	6.135	6.135	(0.969)	185359	50.0000	47.57
	23 bis(2-Chloroethoxy)methane	93	6.104	6.104	(0.964)	422817	50.0000	50.27(H)
	25 2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	252958	50.0000	51.90
	26 1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	257754	50.0000	50.93
*	27 Naphthalene-d8	136	6.332	6.332	(1.000)	673378	40.0000	
	28 Naphthalene	128	6.352	6.352	(1.003)	970001	50.0000	50.15
	29 4-Chloroaniline	127	6.477	6.477	(1.023)	403705	50.0000	50.34
	30 Hexachlorobutadiene*	225	6.611	6.611	(1.044)	139599	50.0000	50.80
	32 4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	284147	50.0000	49.25
	33 2-Methylnaphthalene	142	7.232	7.232	(1.142)	573031	50.0000	48.88
	145 1-Methylnaphthalene	142	7.367	7.367	(1.163)	586509	50.0000	49.01(H)
	35 Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	148999	50.0000	50.46
	36 2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	164299	50.0000	51.06
	37 2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	174638	50.0000	50.87
	39 2-Chloronaphthalene	162	7.833	7.833	(0.916)	517682	50.0000	48.90
	40 2-Nitroaniline	65	8.019	8.019	(0.938)	216654	50.0000	50.56
	42 Dimethylphthalate	163	8.319	8.319	(0.973)	575731	50.0000	49.89(H)
	44 2,6-Dinitrotoluene	165	8.391	8.391	(0.982)	143550	50.0000	50.62
	45 Acenaphthylene	152	8.350	8.350	(0.977)	867800	50.0000	50.16
	46 3-Nitroaniline	138	8.536	8.536	(0.999)	159964	50.0000	48.06(H)
*	47 Acenaphthene-d10	164	8.547	8.547	(1.000)	362252	40.0000	
	48 Acenaphthene*	154	8.588	8.588	(1.005)	522286	50.0000	49.94
	49 2,4-Dinitrophenol**	184	8.661	8.661	(1.013)	71357	50.0000	44.61
	50 4-Nitrophenol**	109	8.774	8.774	(1.027)	89852	50.0000	48.34
	51 Dibenzofuran	168	8.774	8.774	(1.027)	695659	50.0000	47.96
	52 2,4-Dinitrotoluene	165	8.857	8.857	(1.036)	191143	50.0000	50.92
	56 Diethylphthalate	149	9.188	9.188	(1.075)	551645	50.0000	48.39
$	147 Fluorene-d10	176	9.168	9.168	(1.073)	494215	50.0000	49.73
	58 4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	263576	50.0000	49.32
	57 Fluorene	166	9.199	9.199	(1.076)	567923	50.0000	48.92
	59 4-Nitroaniline	138	9.292	9.292	(1.087)	182174	50.0000	48.42
	60 4,6-Dinitro-2-methylphenol	198	9.344	9.344	(0.905)	104060	50.0000	52.58
	61 N-nitrosodiphenylamine*	169	9.385	9.385	(0.909)	496315	50.0000	51.60
$	62 2,4,6-Tribromophenol	330	9.520	9.520	(1.114)	76916	50.0000	49.45
	65 4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	150715	50.0000	51.15
	66 Hexachlorobenzene	284	9.965	9.965	(0.965)	164324	50.0000	48.74
	68 Pentachlorophenol*	266	10.192	10.192	(0.987)	100381	50.0000	51.13
*	71 Phenanthrene-d10	188	10.327	10.327	(1.000)	605762	40.0000	
	72 Phenanthrene	178	10.348	10.348	(1.002)	809697	50.0000	48.61
	73 Anthracene	178	10.410	10.410	(1.008)	816493	50.0000	50.75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	
	144 Carbazole	167	10.627	10.627	(2.268)	793023	50.0000	46.57	
	78 Di-n-butylphthalate	149	11.165	11.165	(1.081)	989402	50.0000	51.25	
$	83 Fluoranthene-d10	212	11.786	11.786	(1.141)	640548	50.0000	48.11	
	80 Fluoranthene*	202	11.817	11.817	(1.144)	774115	50.0000	48.41	
$	148 Pyrene-d10	212	12.076	12.076	(0.863)	652725	50.0000	51.00	
	81 Pyrene	202	12.107	12.107	(0.865)	845507	50.0000	50.74	
	85 Butyl benzyl phthalate	149	13.225	13.225	(0.945)	444179	50.0000	51.87	
	89 3 3'-Dichlorobenzidine	252	14.001	14.001	(1.001)	270257	50.0000	49.49	
	88 Benzo(a)Anthracene	228	13.960	13.960	(0.998)	805063	50.0000	51.28	
*	90 Chrysene-d12	240	13.991	13.991	(1.000)	511454	40.0000		
	91 Chrysene	228	14.032	14.032	(1.003)	788402	50.0000	49.31	
	93 bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	594052	50.0000	52.25	
	94 Di-n-octyl phthalate*	149	15.440	15.440	(0.942)	943779	50.0000	54.25	
	95 Benzo(b)fluoranthene	252	15.864	15.864	(0.968)	803695	50.0000	53.82	
	96 Benzo(k)fluoranthene	252	15.916	15.916	(0.972)	798233	50.0000	49.71	(H)
	97 Benzo(e)pyrene	252	16.340	16.340	(0.997)	723413	50.0000	51.05	(H)
$	101 Benzo(a)pyrene-d12	264	16.382	16.382	(1.000)	499364	50.0000	51.61	
	98 Benzo(a)pyrene*	252	16.423	16.423	(1.003)	729453	50.0000	51.44	
*	99 Perylene-d12	264	16.527	16.527	(1.000)	379203	40.0000		(H)
	103 Indeno(1,2,3-cd)pyrene	276	18.307	18.307	(1.118)	767211	50.0000	52.78	
	104 Dibenzo(a,h)anthracene	278	18.369	18.369	(1.121)	631783	50.0000	52.36	
	105 Benzo(g,h,i)perylene	276	18.721	18.721	(1.143)	686811	50.0000	51.24	

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122109.d
Lab Smp Id: 1500-101-50
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 6
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	290980	0.00
27 Naphthalene-d8	673378	336689	1346756	673378	0.00
47 Acenaphthene-d10	362252	181126	724504	362252	0.00
71 Phenanthrene-d10	605762	302881	1211524	605762	0.00
90 Chrysene-d12	511454	255727	1022908	511454	0.00
99 Perylene-d12	379203	189602	758406	379203	0.00

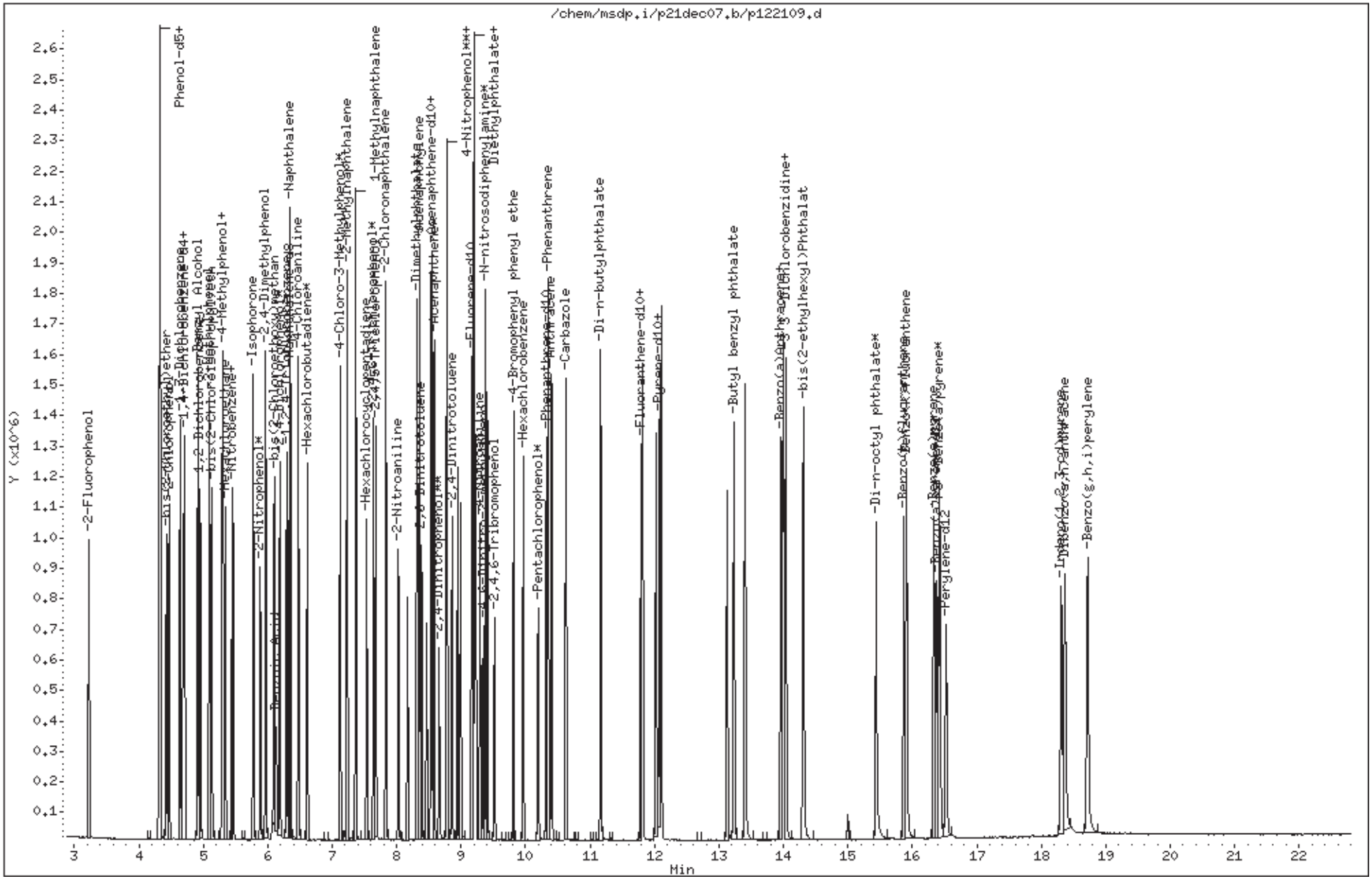
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

0207

Data File: /chem/msdp.i/p21dec07.b/p122109.d
Date : 21-DEC-2007 13:22
Client ID: Level 6
Sample Info: ;1500-101-50;Level 6
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122110.d
Lab Smp Id: 1500-101-80 Client Smp ID: Level 7
Inj Date : 21-DEC-2007 13:51
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-80;Level 7
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:51 Cal File: p122110.d
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 160ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	577038	80.0000	68.48
$ 2 Phenol-d5	99	4.324	4.313	(0.923)	718943	80.0000	66.34
$ 17 Nitrobenzene-d5	82	5.452	5.442	(0.861)	659372	80.0000	78.12
$ 62 2,4,6-Tribromophenol	330	9.520	9.520	(1.114)	138287	80.0000	79.06
$ 147 Fluorene-d10	176	9.168	9.168	(1.073)	838230	80.0000	73.60
$ 148 Pyrene-d10	212	12.086	12.076	(0.864)	1196216	80.0000	74.17
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	344831	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	775039	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	404708	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	742211	40.0000	
* 90 Chrysene-d12	240	13.991	13.991	(1.000)	631480	40.0000	
* 99 Perylene-d12	264	16.527	16.527	(1.000)	492502	40.0000	
3 Phenol*	94	4.334	4.334	(0.925)	773295	80.0000	63.00
41 Aniline	93	4.334	4.334	(0.925)	901210	80.0000	62.88

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	609716	80.0000	65.29
5	2-Chlorophenol	128	4.469	4.469	(0.954)	587777	80.0000	67.90
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	582063	80.0000	64.26
9	1,4-Dichlorobenzene*	146	4.707	4.707	(1.004)	594798	80.0000	62.74
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	420228	80.0000	68.65
11	1,2-Dichlorobenzene	146	4.955	4.945	(1.057)	567404	80.0000	65.58
12	2-Methylphenol	108	5.100	5.100	(1.088)	565008	80.0000	67.18
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	1142612	80.0000	67.34
14	4-Methylphenol	108	5.297	5.297	(1.130)	595764	80.0000	67.27
15	N-Nitrosodipropylamine**	70	5.317	5.307	(1.135)	465005	80.0000	69.39
16	Hexachloroethane	117	5.338	5.338	(1.139)	237959	80.0000	67.42
18	Nitrobenzene	77	5.473	5.462	(0.864)	676232	80.0000	77.46
19	Isophorone	82	5.783	5.773	(0.913)	1139963	80.0000	78.21
20	2-Nitrophenol*	139	5.887	5.887	(0.930)	327416	80.0000	81.04
21	2,4-Dimethylphenol	122	5.980	5.970	(0.944)	537033	80.0000	74.52
23	bis(2-Chloroethoxy)methane	93	6.104	6.104	(0.964)	726204	80.0000	72.75
24	Benzoic Acid	122	6.166	6.135	(0.974)	393583	80.0000	91.07
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	428116	80.0000	73.63
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	426956	80.0000	70.36
28	Naphthalene	128	6.363	6.352	(1.005)	1641834	80.0000	70.80
29	4-Chloroaniline	127	6.477	6.477	(1.023)	701597	80.0000	73.82
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	231560	80.0000	70.41
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	510467	80.0000	75.31
33	2-Methylnaphthalene	142	7.232	7.232	(1.142)	989321	80.0000	70.26
145	1-Methylnaphthalene	142	7.367	7.367	(1.163)	995368	80.0000	69.26
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	273743	80.0000	83.04
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	286051	80.0000	78.89
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	308323	80.0000	79.93
39	2-Chloronaphthalene	162	7.833	7.833	(0.916)	906944	80.0000	74.82
40	2-Nitroaniline	65	8.029	8.019	(0.939)	415040	80.0000	88.67
46	3-Nitroaniline	138	8.547	8.536	(1.000)	300208	80.0000	80.29
42	Dimethylphthalate	163	8.319	8.319	(0.973)	999671	80.0000	75.27
44	2,6-Dinitrotoluene	165	8.391	8.391	(0.982)	256199	80.0000	80.78
45	Acenaphthylene	152	8.350	8.350	(0.977)	1517219	80.0000	77.18
48	Acenaphthene*	154	8.588	8.588	(1.005)	880810	80.0000	73.08
49	2,4-Dinitrophenol**	184	8.671	8.661	(1.015)	155998	80.0000	95.50
50	4-Nitrophenol**	109	8.774	8.774	(1.027)	172175	80.0000	83.47
52	2,4-Dinitrotoluene	165	8.857	8.857	(1.036)	347832	80.0000	84.06
51	Dibenzofuran	168	8.785	8.774	(1.028)	1207387	80.0000	71.59
56	Diethylphthalate	149	9.199	9.188	(1.076)	981257	80.0000	74.85
57	Fluorene	166	9.209	9.199	(1.077)	948890	80.0000	69.65
58	4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	448678	80.0000	72.77
59	4-Nitroaniline	138	9.302	9.292	(1.088)	335531	80.0000	80.86
60	4,6-Dinitro-2-methylphenol	198	9.354	9.344	(0.906)	206147	80.0000	86.68
61	N-nitrosodiphenylamine*	169	9.385	9.385	(0.909)	867044	80.0000	69.79
65	4-Bromophenyl phenyl ether	248	9.809	9.809	(0.950)	267582	80.0000	71.74
66	Hexachlorobenzene	284	9.965	9.965	(0.965)	292660	80.0000	68.03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
144	Carbazole	167	10.627	10.627	(2.268)	1412829	80.0000	65.40
68	Pentachlorophenol*	266	10.192	10.192	(0.987)	191407	80.0000	78.48
72	Phenanthrene	178	10.358	10.348	(1.003)	1453702	80.0000	68.21
73	Anthracene	178	10.410	10.410	(1.008)	1471926	80.0000	72.07
78	Di-n-butylphthalate	149	11.176	11.165	(1.082)	1848649	80.0000	76.16
80	Fluoranthene*	202	11.817	11.817	(1.144)	1426059	80.0000	70.15
81	Pyrene	202	12.107	12.107	(0.865)	1506331	80.0000	71.34
85	Butyl benzyl phthalate	149	13.235	13.225	(0.946)	870821	80.0000	83.10
89	3 3'-Dichlorobenzidine	252	14.012	14.001	(1.001)	539852	80.0000	80.42
88	Benzo(a)Anthracene	228	13.970	13.960	(0.999)	1562277	80.0000	80.78
91	Chrysene	228	14.043	14.032	(1.004)	1501515	80.0000	74.86
93	bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.023)	1211425	80.0000	88.64
94	Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	2048731	80.0000	94.15
95	Benzo(b)fluoranthene	252	15.875	15.864	(0.961)	1476642	80.0000	76.09
96	Benzo(k)fluoranthene	252	15.926	15.916	(0.964)	1673947	80.0000	78.31
97	Benzo(e)pyrene	252	16.351	16.340	(0.989)	1431347	80.0000	76.29
98	Benzo(a)pyrene*	252	16.434	16.423	(0.994)	1468932	80.0000	78.09
103	Indeno(1,2,3-cd)pyrene	276	18.328	18.307	(1.109)	1582565	80.0000	83.93
104	Dibenzo(a,h)anthracene	278	18.379	18.369	(1.112)	1324055	80.0000	83.27
105	Benzo(g,h,i)perylene	276	18.742	18.721	(1.134)	1392807	80.0000	79.18

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122110.d
Lab Smp Id: 1500-101-80
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 7
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	344831	18.51
27 Naphthalene-d8	673378	336689	1346756	775039	15.10
47 Acenaphthene-d10	362252	181126	724504	404708	11.72
71 Phenanthrene-d10	605762	302881	1211524	742211	22.53
90 Chrysene-d12	511454	255727	1022908	631480	23.47
99 Perylene-d12	379203	189602	758406	492502	29.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	13.99	0.00
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdp.i/p21dec07.b/p122110.d
Date : 21-DEC-2007 13:51
Client ID: Level 7
Sample Info: :1500-101-80;Level 7
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i

Operator: LP
Column diameter: 0.25

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122111.d
Lab Smp Id: 1500-101-100 Client Smp ID: Level 8
Inj Date : 21-DEC-2007 14:21
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-100;Level 8
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 14:21 Cal File: p122111.d
Als bottle: 11 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 160ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 1 2-Fluorophenol	112	3.216	3.227	(0.686)	730848	100.000	82.21
$ 2 Phenol-d5	99	4.324	4.313	(0.923)	888579	100.000	78.22
$ 17 Nitrobenzene-d5	82	5.452	5.442	(0.861)	850862	100.000	97.47
$ 62 2,4,6-Tribromophenol	330	9.530	9.520	(1.115)	176978	100.000	100.4
$ 147 Fluorene-d10	176	9.168	9.168	(1.073)	1035666	100.000	91.37
$ 148 Pyrene-d10	212	12.086	12.076	(0.863)	1467292	100.000	92.68
* 7 1,4-Dichlorobenzene-d4	150	4.686	4.686	(1.000)	374599	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	804409	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	407731	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	740223	40.0000	
* 90 Chrysene-d12	240	14.001	13.991	(1.000)	626384	40.0000	
* 99 Perylene-d12	264	16.527	16.527	(1.000)	502970	40.0000	
3 Phenol*	94	4.345	4.334	(0.927)	985730	100.000	76.78
41 Aniline	93	4.334	4.334	(0.925)	1126277	100.000	74.92

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
4	bis(2-Chloroethyl)ether	93	4.427	4.427	(0.945)	766015	100.000	77.90
5	2-Chlorophenol	128	4.469	4.469	(0.954)	742398	100.000	81.40
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.991)	723847	100.000	76.07
9	1,4-Dichlorobenzene*	146	4.717	4.707	(1.007)	746401	100.000	75.06
10	Benzyl Alcohol	108	4.914	4.914	(1.049)	542284	100.000	83.48
11	1,2-Dichlorobenzene	146	4.955	4.945	(1.057)	715921	100.000	78.51
12	2-Methylphenol	108	5.100	5.100	(1.088)	714375	100.000	80.71
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.095)	1459328	100.000	81.29
14	4-Methylphenol	108	5.297	5.297	(1.130)	765206	100.000	81.93
15	N-Nitrosodipropylamine**	70	5.317	5.307	(1.135)	573111	100.000	80.88
16	Hexachloroethane	117	5.338	5.338	(1.139)	295596	100.000	79.37
18	Nitrobenzene	77	5.473	5.462	(0.864)	840760	100.000	93.63
19	Isophorone	82	5.783	5.773	(0.913)	1465558	100.000	97.26
20	2-Nitrophenol*	139	5.887	5.887	(0.930)	423034	100.000	100.8
21	2,4-Dimethylphenol	122	5.980	5.970	(0.944)	661696	100.000	89.95
23	bis(2-Chloroethoxy)methane	93	6.104	6.104	(0.964)	911905	100.000	89.35
24	Benzoic Acid	122	6.177	6.135	(0.975)	489128	100.000	107.1
25	2,4-Dichlorophenol*	162	6.187	6.187	(0.977)	537317	100.000	90.45
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	531131	100.000	86.02
28	Naphthalene	128	6.363	6.352	(1.005)	2070164	100.000	87.54
29	4-Chloroaniline	127	6.477	6.477	(1.023)	915113	100.000	93.90
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	297304	100.000	88.53
32	4-Chloro-3-Methylphenol*	107	7.118	7.118	(1.124)	661535	100.000	94.85
33	2-Methylnaphthalene	142	7.243	7.232	(1.144)	1251762	100.000	87.22
145	1-Methylnaphthalene	142	7.377	7.367	(1.165)	1259887	100.000	86.13
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	338545	100.000	101.5
36	2,4,6-Trichlorophenol*	196	7.636	7.636	(0.893)	360080	100.000	98.78
37	2,4,5-Trichlorophenol	196	7.677	7.677	(0.898)	395187	100.000	101.4
39	2-Chloronaphthalene	162	7.843	7.833	(0.918)	1149329	100.000	94.81
40	2-Nitroaniline	65	8.029	8.019	(0.939)	514764	100.000	107.7
46	3-Nitroaniline	138	8.547	8.536	(1.000)	382073	100.000	101.2
42	Dimethylphthalate	163	8.329	8.319	(0.975)	1238752	100.000	93.57
44	2,6-Dinitrotoluene	165	8.391	8.391	(0.982)	324512	100.000	101.3
45	Acenaphthylene	152	8.360	8.350	(0.978)	1908482	100.000	96.80
48	Acenaphthene*	154	8.588	8.588	(1.005)	1076704	100.000	89.94
49	2,4-Dinitrophenol**	184	8.671	8.661	(1.015)	211651	100.000	121.6
50	4-Nitrophenol**	109	8.785	8.774	(1.028)	210165	100.000	100.9
52	2,4-Dinitrotoluene	165	8.868	8.857	(1.038)	447960	100.000	106.3
51	Dibenzofuran	168	8.785	8.774	(1.028)	1461812	100.000	87.57
56	Diethylphthalate	149	9.199	9.188	(1.076)	1238828	100.000	94.64
57	Fluorene	166	9.209	9.199	(1.077)	1172797	100.000	87.03
58	4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	563804	100.000	91.83
59	4-Nitroaniline	138	9.313	9.292	(1.090)	456733	100.000	107.6
60	4,6-Dinitro-2-methylphenol	198	9.354	9.344	(0.906)	260334	100.000	108.0
61	N-nitrosodiphenylamine*	169	9.395	9.385	(0.910)	1094185	100.000	90.07
65	4-Bromophenyl phenyl ether	248	9.820	9.809	(0.951)	335608	100.000	91.33(H)
66	Hexachlorobenzene	284	9.975	9.965	(0.966)	372998	100.000	88.38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
144 Carbazole	167	10.627	10.627	(2.268)	1710715	100.000	75.45
68 Pentachlorophenol*	266	10.192	10.192	(0.987)	242366	100.000	99.71
72 Phenanthrene	178	10.358	10.348	(1.003)	1771604	100.000	85.12
73 Anthracene	178	10.410	10.410	(1.008)	1772627	100.000	88.46
78 Di-n-butylphthalate	149	11.176	11.165	(1.082)	2318081	100.000	96.34
80 Fluoranthene*	202	11.817	11.817	(1.144)	1753422	100.000	87.97
81 Pyrene	202	12.118	12.107	(0.865)	1913406	100.000	92.35
85 Butyl benzyl phthalate	149	13.235	13.225	(0.945)	1080838	100.000	103.4
89 3 3'-Dichlorobenzidine	252	14.012	14.001	(1.001)	673155	100.000	100.9
88 Benzo(a)Anthracene	228	13.970	13.960	(0.998)	1948613	100.000	101.4
91 Chrysene	228	14.043	14.032	(1.003)	1862573	100.000	94.37
93 bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.022)	1510806	100.000	109.6
94 Di-n-octyl phthalate*	149	15.440	15.440	(0.934)	2597480	100.000	114.1
95 Benzo(b)fluoranthene	252	15.885	15.864	(0.961)	1979797	100.000	99.91
96 Benzo(k)fluoranthene	252	15.937	15.916	(0.964)	2001183	100.000	92.64
97 Benzo(e)pyrene	252	16.351	16.340	(0.989)	1785319	100.000	93.98
98 Benzo(a)pyrene*	252	16.444	16.423	(0.995)	1848716	100.000	96.69
103 Indeno(1,2,3-cd)pyrene	276	18.328	18.307	(1.109)	1955143	100.000	101.3
104 Dibenzo(a,h)anthracene	278	18.379	18.369	(1.112)	1550704	100.000	96.04
105 Benzo(g,h,i)perylene	276	18.742	18.721	(1.134)	1733707	100.000	96.93

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122111.d
Lab Smp Id: 1500-101-100
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 8
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	374599	28.74
27 Naphthalene-d8	673378	336689	1346756	804409	19.46
47 Acenaphthene-d10	362252	181126	724504	407731	12.55
71 Phenanthrene-d10	605762	302881	1211524	740223	22.20
90 Chrysene-d12	511454	255727	1022908	626384	22.47
99 Perylene-d12	379203	189602	758406	502970	32.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.69	0.00
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	14.00	0.07
99 Perylene-d12	16.53	16.03	17.03	16.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Page 1

Data File: /chem/msdp.i/p21dec07.b/p122111.d
Date : 21-DEC-2007 14:21
Client ID: Level 8
Sample Info: ;1500-101-100;Level 8
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i

Operator: LP
Column diameter: 0.25

/chem/msdp.i/p21dec07.b/p122111.d

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p21dec07.b/p122112.d
Lab Smp Id: 1500-101-160 Client Smp ID: Level 9
Inj Date : 21-DEC-2007 14:50
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-160;Level 9
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p21dec07.b/bnap1221.m
Meth Date : 21-Dec-2007 16:38 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 14:50 Cal File: p122112.d
Als bottle: 12 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 160ng.sub
Target Version: 3.50

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
$ 1 2-Fluorophenol	112	3.227	3.227	(0.687)	1078325	160.000	121.5
$ 2 Phenol-d5	99	4.334	4.313	(0.923)	1272043	160.000	113.0
$ 17 Nitrobenzene-d5	82	5.452	5.442	(0.861)	1261388	160.000	150.8
$ 62 2,4,6-Tribromophenol	330	9.530	9.520	(1.115)	257669	160.000	151.9
$ 147 Fluorene-d10	176	9.178	9.168	(1.074)	1549052	160.000	142.9
$ 148 Pyrene-d10	212	12.097	12.076	(0.864)	2129117	160.000	147.0
* 7 1,4-Dichlorobenzene-d4	150	4.696	4.686	(1.000)	386864	40.0000	
* 27 Naphthalene-d8	136	6.332	6.332	(1.000)	776122	40.0000	
* 47 Acenaphthene-d10	164	8.547	8.547	(1.000)	395062	40.0000	
* 71 Phenanthrene-d10	188	10.327	10.327	(1.000)	732287	40.0000	
* 90 Chrysene-d12	240	14.001	13.991	(1.000)	578880	40.0000	
* 99 Perylene-d12	264	16.537	16.527	(1.000)	481632	40.0000	
3 Phenol*	94	4.344	4.334	(0.925)	1378792	160.000	108.8
41 Aniline	93	4.334	4.334	(0.923)	1580628	160.000	106.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
4	bis(2-Chloroethyl)ether	93	4.438	4.427	(0.945)	1147076	160.000	116.8
5	2-Chlorophenol	128	4.469	4.469	(0.952)	1089389	160.000	119.8
6	1,3-Dichlorobenzene	146	4.645	4.645	(0.989)	1037074	160.000	109.7
9	1,4-Dichlorobenzene*	146	4.717	4.707	(1.004)	1067241	160.000	108.1
10	Benzyl Alcohol	108	4.924	4.914	(1.048)	775957	160.000	119.3
11	1,2-Dichlorobenzene	146	4.955	4.945	(1.055)	1015050	160.000	111.8
12	2-Methylphenol	108	5.100	5.100	(1.086)	1038782	160.000	117.9
13	bis(2-Chloroisopropyl)ether	45	5.131	5.131	(1.093)	2111444	160.000	117.6
14	4-Methylphenol	108	5.307	5.297	(1.130)	1063572	160.000	114.7
15	N-Nitrosodipropylamine**	70	5.328	5.307	(1.134)	821969	160.000	116.2
16	Hexachloroethane	117	5.338	5.338	(1.137)	413350	160.000	111.5
18	Nitrobenzene	77	5.473	5.462	(0.864)	1251893	160.000	146.1
19	Isophorone	82	5.794	5.773	(0.915)	2195623	160.000	152.0
20	2-Nitrophenol*	139	5.887	5.887	(0.930)	597959	160.000	149.0
21	2,4-Dimethylphenol	122	5.980	5.970	(0.944)	967513	160.000	138.9
23	bis(2-Chloroethoxy)methane	93	6.114	6.104	(0.966)	1355819	160.000	139.8
24	Benzoic Acid	122	6.218	6.135	(0.982)	786717	160.000	175.2(A)
25	2,4-Dichlorophenol*	162	6.197	6.187	(0.979)	771783	160.000	137.4
26	1,2,4-Trichlorobenzene	180	6.290	6.290	(0.993)	774294	160.000	132.7
28	Naphthalene	128	6.363	6.352	(1.005)	2898949	160.000	130.0
29	4-Chloroaniline	127	6.487	6.477	(1.025)	1326765	160.000	143.5
30	Hexachlorobutadiene*	225	6.611	6.611	(1.044)	413030	160.000	130.4
32	4-Chloro-3-Methylphenol*	107	7.129	7.118	(1.126)	974917	160.000	146.6
33	2-Methylnaphthalene	142	7.243	7.232	(1.144)	1730649	160.000	128.1
145	1-Methylnaphthalene	142	7.377	7.367	(1.165)	1798139	160.000	130.4
35	Hexachlorocyclopentadiene**	237	7.532	7.532	(0.881)	507089	160.000	157.5
36	2,4,6-Trichlorophenol*	196	7.646	7.636	(0.895)	536232	160.000	152.8
37	2,4,5-Trichlorophenol	196	7.688	7.677	(0.899)	564874	160.000	150.9
39	2-Chloronaphthalene	162	7.843	7.833	(0.918)	1588821	160.000	137.6
40	2-Nitroaniline	65	8.029	8.019	(0.939)	797364	160.000	170.6(A)
46	3-Nitroaniline	138	8.557	8.536	(1.001)	552745	160.000	152.3
42	Dimethylphthalate	163	8.329	8.319	(0.975)	1741411	160.000	138.4
44	2,6-Dinitrotoluene	165	8.402	8.391	(0.983)	483291	160.000	156.3
45	Acenaphthylene	152	8.360	8.350	(0.978)	2720598	160.000	144.2
48	Acenaphthene*	154	8.598	8.588	(1.006)	1576278	160.000	138.2
49	2,4-Dinitrophenol**	184	8.681	8.661	(1.016)	325879	160.000	186.8(A)
50	4-Nitrophenol**	109	8.795	8.774	(1.029)	331419	160.000	163.5(A)
52	2,4-Dinitrotoluene	165	8.878	8.857	(1.039)	667633	160.000	163.1(A)
51	Dibenzofuran	168	8.785	8.774	(1.028)	2073948	160.000	131.1
56	Diethylphthalate	149	9.199	9.188	(1.076)	1707561	160.000	137.3
57	Fluorene	166	9.209	9.199	(1.077)	1520341	160.000	120.1
58	4-Chlorophenyl phenyl ether	204	9.230	9.230	(1.080)	777113	160.000	133.3
59	4-Nitroaniline	138	9.323	9.292	(1.091)	646592	160.000	157.6
60	4,6-Dinitro-2-methylphenol	198	9.364	9.344	(0.907)	390402	160.000	163.2(A)
61	N-nitrosodiphenylamine*	169	9.395	9.385	(0.910)	1483847	160.000	127.6
65	4-Bromophenyl phenyl ether	248	9.820	9.809	(0.951)	476184	160.000	133.7
66	Hexachlorobenzene	284	9.975	9.965	(0.966)	524356	160.000	128.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
144 Carbazole	167	10.637	10.627	(2.265)	2630560	160.000	116.2
68 Pentachlorophenol*	266	10.203	10.192	(0.988)	354711	160.000	149.4
72 Phenanthrene	178	10.358	10.348	(1.003)	2638473	160.000	131.0
73 Anthracene	178	10.420	10.410	(1.009)	2631860	160.000	135.3
78 Di-n-butylphthalate	149	11.176	11.165	(1.082)	3212747	160.000	137.6
80 Fluoranthene*	202	11.828	11.817	(1.145)	2595492	160.000	134.3
81 Pyrene	202	12.118	12.107	(0.865)	2650390	160.000	140.5
85 Butyl benzyl phthalate	149	13.235	13.225	(0.945)	1585910	160.000	163.6(A)
89 3 3'-Dichlorobenzidine	252	14.022	14.001	(1.001)	999972	160.000	161.8(A)
88 Benzo(a)Anthracene	228	13.981	13.960	(0.999)	2845800	160.000	160.2(A)
91 Chrysene	228	14.053	14.032	(1.004)	2711280	160.000	149.8
93 bis(2-ethylhexyl)Phthalate	149	14.312	14.312	(1.022)	2212162	160.000	171.9(A)
94 Di-n-octyl phthalate*	149	15.450	15.440	(0.934)	3875316	160.000	175.4(A)
95 Benzo(b)fluoranthene	252	15.895	15.864	(0.961)	3024791	160.000	159.5
96 Benzo(k)fluoranthene	252	15.947	15.916	(0.964)	2892366	160.000	141.8
97 Benzo(e)pyrene	252	16.371	16.340	(0.990)	2635079	160.000	146.4
98 Benzo(a)pyrene*	252	16.454	16.423	(0.995)	2502504	160.000	138.9(H)
103 Indeno(1,2,3-cd)pyrene	276	18.338	18.307	(1.109)	2937006	160.000	159.1
104 Dibenzo(a,h)anthracene	278	18.400	18.369	(1.113)	2278461	160.000	148.7
105 Benzo(g,h,i)perylene	276	18.762	18.721	(1.135)	2594990	160.000	152.4

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p122112.d
Lab Smp Id: 1500-101-160
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p21dec07.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 21-DEC-2007
Calibration Time: 13:22
Client Smp ID: Level 9
Level: LOW
Sample Type: PUF/XAD

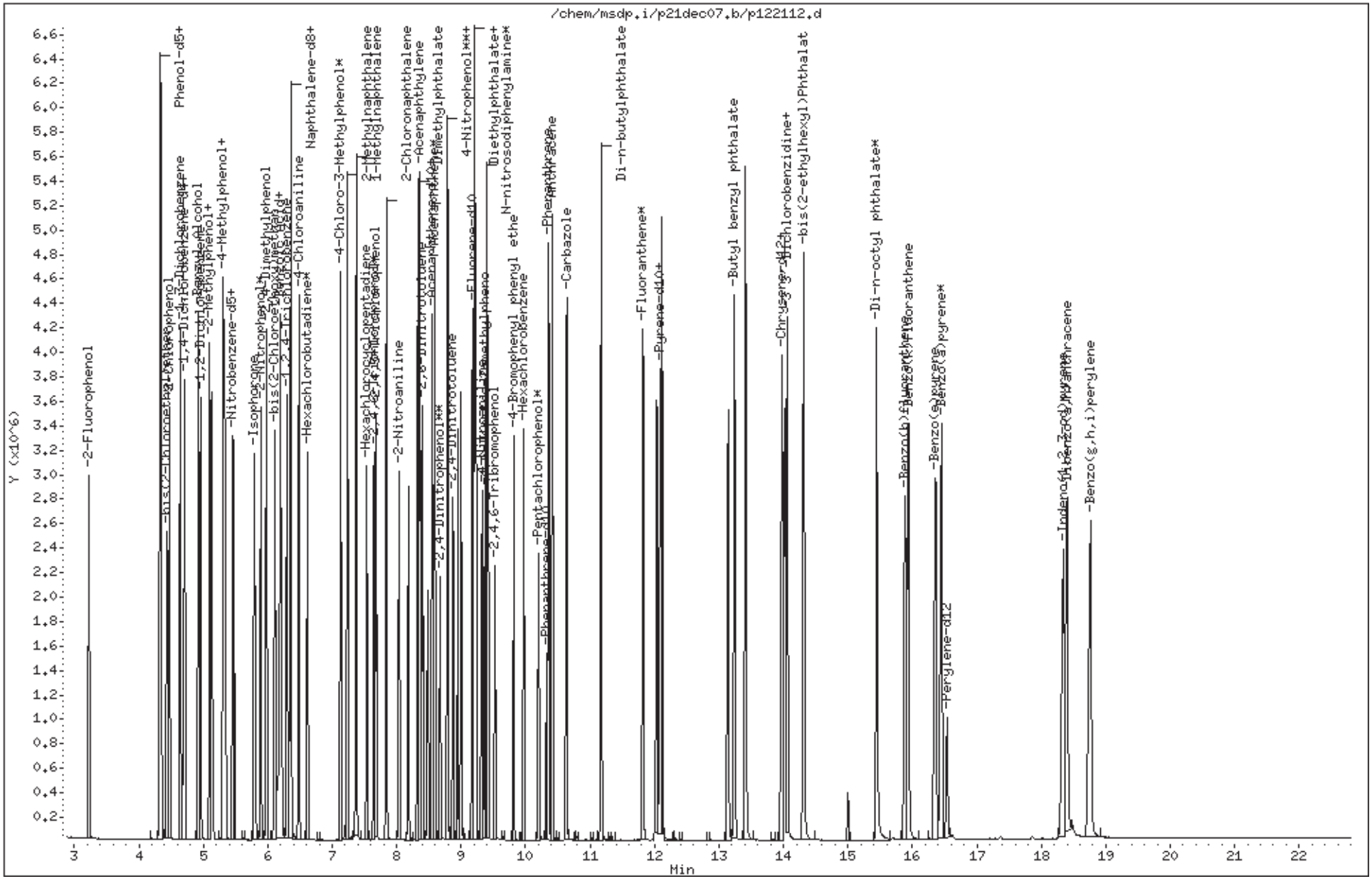
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	290980	145490	581960	386864	32.95
27 Naphthalene-d8	673378	336689	1346756	776122	15.26
47 Acenaphthene-d10	362252	181126	724504	395062	9.06
71 Phenanthrene-d10	605762	302881	1211524	732287	20.89
90 Chrysene-d12	511454	255727	1022908	578880	13.18
99 Perylene-d12	379203	189602	758406	481632	27.01

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.69	4.19	5.19	4.70	0.22
27 Naphthalene-d8	6.33	5.83	6.83	6.33	0.00
47 Acenaphthene-d10	8.55	8.05	9.05	8.55	0.00
71 Phenanthrene-d10	10.33	9.83	10.83	10.33	0.00
90 Chrysene-d12	13.99	13.49	14.49	14.00	0.07
99 Perylene-d12	16.53	16.03	17.03	16.54	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem/msdp.i/p21dec07.b/p122112.d
Date : 21-DEC-2007 14:50
Client ID: Level 9
Sample Info: ;1500-101-160;Level 9
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



0222

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdp.i Injection Date: 02-JAN-2008 11:00
Lab File ID: p010203.d Init. Cal. Date(s): 21-DEC-2007 21-DEC-2007
Analysis Type: PUF/XAD Init. Cal. Times: 10:54 14:50
Lab Sample ID: 1500-101-50 Quant Type: ISTD
Method: /chem/msdp.i/p02jan08.b/bnap1221.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	0.91768	0.95197	0.050	-3.73632	30.00000	Averaged
$ 2 Phenol-d5	1.16420	1.15583	0.050	0.71846	30.00000	Averaged
3 Phenol*	1.31083	1.29788	0.050	0.98792	30.00000	Averaged
41 Aniline	1.54026	1.47218	0.050	4.42011	30.00000	Averaged
4 bis(2-Chloroethyl)ether	1.01574	0.98935	0.050	2.59839	30.00000	Averaged
5 2-Chlorophenol	0.94017	0.95382	0.050	-1.45178	30.00000	Averaged
6 1,3-Dichlorobenzene	0.97762	0.94176	0.050	3.66751	30.00000	Averaged
9 1,4-Dichlorobenzene*	1.02053	0.95908	0.050	6.02129	30.00000	Averaged
10 Benzyl Alcohol	0.67230	0.65881	0.050	2.00580	30.00000	Averaged
11 1,2-Dichlorobenzene	0.93838	0.90233	0.050	3.84223	30.00000	Averaged
12 2-Methylphenol	0.91089	0.89786	0.050	1.43047	30.00000	Averaged
13 bis(2-Chloroisopropyl)ether	1.85564	1.79133	0.050	3.46579	30.00000	Averaged
14 4-Methylphenol	0.95850	0.95239	0.050	0.63777	30.00000	Averaged
15 N-Nitrosodipropylamine**	0.73161	0.71149	0.050	2.75068	30.00000	Averaged
16 Hexachloroethane	0.38318	0.37557	0.050	1.98495	30.00000	Averaged
$ 17 Nitrobenzene-d5	0.43098	0.44026	0.050	-2.15313	30.00000	Averaged
18 Nitrobenzene	0.44170	0.44737	0.050	-1.28519	30.00000	Averaged
19 Isophorone	0.74463	0.76345	0.050	-2.52832	30.00000	Averaged
20 2-Nitrophenol*	0.20676	0.21326	0.050	-3.14056	30.00000	Averaged
21 2,4-Dimethylphenol	0.35904	0.35971	0.050	-0.18798	30.00000	Averaged
24 Benzoic Acid	0.23147	0.23287	0.050	-0.60575	30.00000	Averaged
23 bis(2-Chloroethoxy)methane	0.49962	0.49076	0.050	1.77236	30.00000	Averaged
25 2,4-Dichlorophenol*	0.28954	0.29488	0.050	-1.84460	30.00000	Averaged
26 1,2,4-Trichlorobenzene	0.30064	0.29200	0.050	2.87467	30.00000	Averaged
28 Naphthalene	1.14897	1.14609	0.050	0.25034	30.00000	Averaged
29 4-Chloroaniline	0.47642	0.49909	0.050	-4.75847	30.00000	Averaged
30 Hexachlorobutadiene*	0.16322	0.15763	0.050	3.42433	30.00000	Averaged
32 4-Chloro-3-Methylphenol*	0.34273	0.34889	0.050	-1.79739	30.00000	Averaged
33 2-Methylnaphthalene	0.69633	0.68207	0.050	2.04752	30.00000	Averaged
145 1-Methylnaphthalene	0.71088	0.70013	0.050	1.51261	30.00000	Averaged
35 Hexachlorocyclopentadiene**	0.32604	0.34481	0.050	-5.75873	30.00000	Averaged
36 2,4,6-Trichlorophenol*	0.35534	0.38098	0.050	-7.21585	30.00000	Averaged
37 2,4,5-Trichlorophenol	0.37909	0.39589	0.050	-4.43122	30.00000	Averaged
39 2-Chloronaphthalene	1.16887	1.21144	0.050	-3.64243	30.00000	Averaged
40 2-Nitroaniline	0.47317	0.49923	0.050	-5.50745	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdp.i Injection Date: 02-JAN-2008 11:00
Lab File ID: p010203.d Init. Cal. Date(s): 21-DEC-2007 21-DEC-2007
Analysis Type: PUF/XAD Init. Cal. Times: 10:54 14:50
Lab Sample ID: 1500-101-50 Quant Type: ISTD
Method: /chem/msdp.i/p02jan08.b/bnap1221.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
42 Dimethylphthalate	1.27420	1.29498	0.050	-1.63104	30.00000	Averaged
44 2,6-Dinitrotoluene	0.31311	0.32422	0.050	-3.54893	30.00000	Averaged
45 Acenaphthylene	1.91052	2.03189	0.050	-6.35268	30.00000	Averaged
46 3-Nitroaniline	0.36749	0.38914	0.050	-5.89278	30.00000	Averaged
48 Acenaphthene*	1.15477	1.16394	0.050	-0.79421	30.00000	Averaged
49 2,4-Dinitrophenol**	0.17661	0.15426	0.050	12.65656	30.00000	Averaged
50 4-Nitrophenol**	0.20524	0.19315	0.050	5.88915	30.00000	Averaged
51 Dibenzofuran	1.60158	1.58876	0.050	0.80032	30.00000	Averaged
52 2,4-Dinitrotoluene	0.41446	0.41461	0.050	-0.03692	30.00000	Averaged
56 Diethylphthalate	1.25878	1.28691	0.050	-2.23521	30.00000	Averaged
$ 147 Fluorene-d10	1.09735	1.18256	0.050	-7.76546	30.00000	Averaged
58 4-Chlorophenyl phenyl ether	0.59005	0.60093	0.050	-1.84431	30.00000	Averaged
57 Fluorene	1.28202	1.27685	0.050	0.40327	30.00000	Averaged
59 4-Nitroaniline	0.41540	0.41020	0.050	1.25106	30.00000	Averaged
60 4,6-Dinitro-2-methylphenol	0.13068	0.12915	0.050	1.17104	30.00000	Averaged
61 N-nitrosodiphenylamine*	0.63507	0.64861	0.050	-2.13234	30.00000	Averaged
$ 62 2,4,6-Tribromophenol	0.17174	0.17713	0.050	-3.13787	30.00000	Averaged
65 4-Bromophenyl phenyl ether	0.19457	0.20121	0.050	-3.41485	30.00000	Averaged
66 Hexachlorobenzene	0.22261	0.21218	0.050	4.68333	30.00000	Averaged
68 Pentachlorophenol*	0.12964	0.12826	0.050	1.06315	30.00000	Averaged
72 Phenanthrene	1.09980	1.11179	0.050	-1.09007	30.00000	Averaged
73 Anthracene	1.06237	1.08795	0.050	-2.40795	30.00000	Averaged
144 Carbazole	2.34093	2.19323	0.050	6.30949	30.00000	Averaged
78 Di-n-butylphthalate	1.27484	1.36496	0.050	-7.06891	30.00000	Averaged
$ 83 Fluoranthene-d10	0.87915	0.85565	0.050	2.67318	30.00000	Averaged
80 Fluoranthene*	1.05581	1.04860	0.050	0.68293	30.00000	Averaged
$ 148 Pyrene-d10	1.00085	0.99147	0.050	0.93704	30.00000	Averaged
81 Pyrene	1.30320	1.30661	0.050	-0.26170	30.00000	Averaged
85 Butyl benzyl phthalate	0.66970	0.68922	0.050	-2.91434	30.00000	Averaged
89 3 3'-Dichlorobenzidine	0.42711	0.42626	0.050	0.19885	30.00000	Averaged
88 Benzo(a)Anthracene	1.22768	1.25865	0.050	-2.52247	30.00000	Averaged
91 Chrysene	1.25045	1.22892	0.050	1.72133	30.00000	Averaged
93 bis(2-ethylhexyl)Phthalate	0.88925	0.95657	0.050	-7.57006	30.00000	Averaged
94 Di-n-octyl phthalate*	1.83520	2.12025	0.050	-15.53251	30.00000	Averaged
95 Benzo(b)fluoranthene	1.57524	1.63353	0.050	-3.70039	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdp.i Injection Date: 02-JAN-2008 11:00
Lab File ID: p010203.d Init. Cal. Date(s): 21-DEC-2007 21-DEC-2007
Analysis Type: PUF/XAD Init. Cal. Times: 10:54 14:50
Lab Sample ID: 1500-101-50 Quant Type: ISTD
Method: /chem/msdp.i/p02jan08.b/bnap1221.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
96 Benzo(k)fluoranthene	1.69387	1.68163	0.050	0.72236	30.00000	Averaged
97 Benzo(e)pyrene	1.49485	1.50220	0.050	-0.49140	30.00000	Averaged
$ 101 Benzo(a)pyrene-d12	1.02065	1.04156	0.050	-2.04898	30.00000	Averaged
98 Benzo(a)pyrene*	1.49588	1.52770	0.050	-2.12718	30.00000	Averaged
103 Indeno(1,2,3-cd)pyrene	1.53331	1.60955	0.050	-4.97216	30.00000	Averaged
104 Dibenzo(a,h)anthracene	1.27288	1.35329	0.050	-6.31759	30.00000	Averaged
105 Benzo(g,h,i)perylene	1.41400	1.46044	0.050	-3.28496	30.00000	Averaged

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010203.d
Lab Smp Id: 1500-101-50 Client Smp ID: CCV
Inj Date : 02-JAN-2008 11:00
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-101-50;CCV
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 50ccv.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 1	2-Fluorophenol	112	3.196	3.196	(0.685)	327706	50.0000	51.87
$ 2	Phenol-d5	99	4.293	4.293	(0.920)	397885	50.0000	49.64
3	Phenol*	94	4.303	4.303	(0.922)	446783	50.0000	49.51
41	Aniline	93	4.303	4.303	(0.922)	506786	50.0000	47.79
4	bis(2-Chloroethyl)ether	93	4.396	4.396	(0.942)	340575	50.0000	48.70
5	2-Chlorophenol	128	4.438	4.438	(0.951)	328345	50.0000	50.72
6	1,3-Dichlorobenzene	146	4.614	4.614	(0.989)	324193	50.0000	48.17
* 7	1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	275393	40.0000	
9	1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	330155	50.0000	46.99
10	Benzyl Alcohol	108	4.883	4.883	(1.047)	226790	50.0000	49.00
11	1,2-Dichlorobenzene	146	4.924	4.924	(1.055)	310619	50.0000	48.08
12	2-Methylphenol	108	5.069	5.069	(1.087)	309081	50.0000	49.28
13	bis(2-Chloroisopropyl)ether	45	5.100	5.100	(1.093)	616648	50.0000	48.27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
14	4-Methylphenol	108	5.266	5.266	(1.129)	327852	50.0000	49.68
15	N-Nitrosodipropylamine**	70	5.276	5.276	(1.131)	244924	50.0000	48.62
16	Hexachloroethane	117	5.307	5.307	(1.138)	129287	50.0000	49.01
$ 17	Nitrobenzene-d5	82	5.421	5.421	(0.860)	353747	50.0000	51.08
18	Nitrobenzene	77	5.442	5.442	(0.864)	359463	50.0000	50.64
19	Isophorone	82	5.752	5.752	(0.913)	613434	50.0000	51.26
20	2-Nitrophenol*	139	5.856	5.856	(0.929)	171353	50.0000	51.57
21	2,4-Dimethylphenol	122	5.949	5.949	(0.944)	289028	50.0000	50.09
24	Benzoic Acid	122	6.114	6.114	(0.970)	187112	50.0000	50.30
23	bis(2-Chloroethoxy)methane	93	6.073	6.073	(0.964)	394328	50.0000	49.11
25	2,4-Dichlorophenol*	162	6.156	6.156	(0.977)	236939	50.0000	50.92
26	1,2,4-Trichlorobenzene	180	6.259	6.259	(0.993)	234621	50.0000	48.56
* 27	Naphthalene-d8	136	6.301	6.301	(1.000)	642799	40.0000	
28	Naphthalene	128	6.332	6.332	(1.005)	920884	50.0000	49.87
29	4-Chloroaniline	127	6.456	6.456	(1.025)	401018	50.0000	52.38
30	Hexachlorobutadiene*	225	6.591	6.591	(1.046)	126659	50.0000	48.29
32	4-Chloro-3-Methylphenol*	107	7.098	7.098	(1.126)	280330	50.0000	50.90
33	2-Methylnaphthalene	142	7.212	7.212	(1.145)	548042	50.0000	48.98
145	1-Methylnaphthalene	142	7.346	7.346	(1.166)	562550	50.0000	49.24
35	Hexachlorocyclopentadiene**	237	7.512	7.512	(0.882)	143079	50.0000	52.88
36	2,4,6-Trichlorophenol*	196	7.615	7.615	(0.894)	158087	50.0000	53.61
37	2,4,5-Trichlorophenol	196	7.657	7.657	(0.899)	164273	50.0000	52.22
39	2-Chloronaphthalene	162	7.812	7.812	(0.917)	502686	50.0000	51.82
40	2-Nitroaniline	65	7.998	7.998	(0.939)	207156	50.0000	52.75
42	Dimethylphthalate	163	8.288	8.288	(0.973)	537350	50.0000	50.82
44	2,6-Dinitrotoluene	165	8.360	8.360	(0.982)	134535	50.0000	51.77
45	Acenaphthylene	152	8.329	8.329	(0.978)	843127	50.0000	53.18
46	3-Nitroaniline	138	8.516	8.516	(1.000)	161474	50.0000	52.95
* 47	Acenaphthene-d10	164	8.516	8.516	(1.000)	331958	40.0000	
48	Acenaphthene*	154	8.557	8.557	(1.005)	482975	50.0000	50.40
49	2,4-Dinitrophenol**	184	8.640	8.640	(1.015)	64009	50.0000	43.67
50	4-Nitrophenol**	109	8.754	8.754	(1.028)	80148	50.0000	47.06
51	Dibenzofuran	168	8.754	8.754	(1.028)	659252	50.0000	49.60
52	2,4-Dinitrotoluene	165	8.826	8.826	(1.036)	172042	50.0000	50.02
56	Diethylphthalate	149	9.168	9.168	(1.077)	534002	50.0000	51.12
$ 147	Fluorene-d10	176	9.137	9.137	(1.073)	490702	50.0000	53.88
58	4-Chlorophenyl phenyl ether	204	9.199	9.199	(1.080)	249356	50.0000	50.92
57	Fluorene	166	9.168	9.168	(1.077)	529825	50.0000	49.80
59	4-Nitroaniline	138	9.261	9.261	(1.087)	170212	50.0000	49.37
60	4,6-Dinitro-2-methylphenol	198	9.313	9.313	(0.904)	92750	50.0000	49.41
61	N-nitrosodiphenylamine*	169	9.354	9.354	(0.909)	465794	50.0000	51.07
$ 62	2,4,6-Tribromophenol	330	9.489	9.489	(1.114)	73498	50.0000	51.57
65	4-Bromophenyl phenyl ether	248	9.778	9.778	(0.950)	144498	50.0000	51.71
66	Hexachlorobenzene	284	9.934	9.934	(0.965)	152376	50.0000	47.66
68	Pentachlorophenol*	266	10.161	10.161	(0.987)	92109	50.0000	49.47
* 71	Phenanthrene-d10	188	10.296	10.296	(1.000)	574512	40.0000	
72	Phenanthrene	178	10.327	10.327	(1.003)	798421	50.0000	50.54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
73 Anthracene	178	10.379	10.379	(1.008)	781298	50.0000	51.20
144 Carbazole	167	10.596	10.596	(2.271)	755001	50.0000	46.84
78 Di-n-butylphthalate	149	11.145	11.145	(1.082)	980231	50.0000	53.53
$ 83 Fluoranthene-d10	212	11.755	11.755	(1.142)	614475	50.0000	48.66
80 Fluoranthene*	202	11.786	11.786	(1.145)	753040	50.0000	49.66
$ 148 Pyrene-d10	212	12.045	12.045	(0.863)	626335	50.0000	49.53
81 Pyrene	202	12.066	12.066	(0.865)	825414	50.0000	50.13
85 Butyl benzyl phthalate	149	13.194	13.194	(0.946)	435394	50.0000	51.46
89 3 3'-Dichlorobenzidine	252	13.960	13.960	(1.001)	269277	50.0000	49.90
88 Benzo(a)Anthracene	228	13.919	13.919	(0.998)	795117	50.0000	51.26
* 90 Chrysene-d12	240	13.950	13.950	(1.000)	505378	40.0000	
91 Chrysene	228	13.991	13.991	(1.003)	776338	50.0000	49.14
93 bis(2-ethylhexyl)Phthalate	149	14.270	14.270	(1.023)	604286	50.0000	53.78
94 Di-n-octyl phthalate*	149	15.388	15.388	(0.942)	999616	50.0000	57.77
95 Benzo(b)fluoranthene	252	15.823	15.823	(0.968)	770144	50.0000	51.85
96 Benzo(k)fluoranthene	252	15.864	15.864	(0.971)	792824	50.0000	49.64(H)
97 Benzo(e)pyrene	252	16.289	16.289	(0.997)	708228	50.0000	50.24(H)
$ 101 Benzo(a)pyrene-d12	264	16.340	16.340	(1.000)	491056	50.0000	51.02
98 Benzo(a)pyrene*	252	16.372	16.372	(1.002)	720253	50.0000	51.06
* 99 Perylene-d12	264	16.475	16.475	(1.000)	377169	40.0000	(H)
103 Indeno(1,2,3-cd)pyrene	276	18.255	18.255	(1.108)	758842	50.0000	52.49(M)
104 Dibenzo(a,h)anthracene	278	18.307	18.307	(1.120)	638025	50.0000	53.16
105 Benzo(g,h,i)perylene	276	18.659	18.659	(1.142)	688543	50.0000	51.64

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010203.d
Lab Smp Id: 1500-101-50
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Client Smp ID: CCV
Level: LOW
Sample Type: PUF/XAD

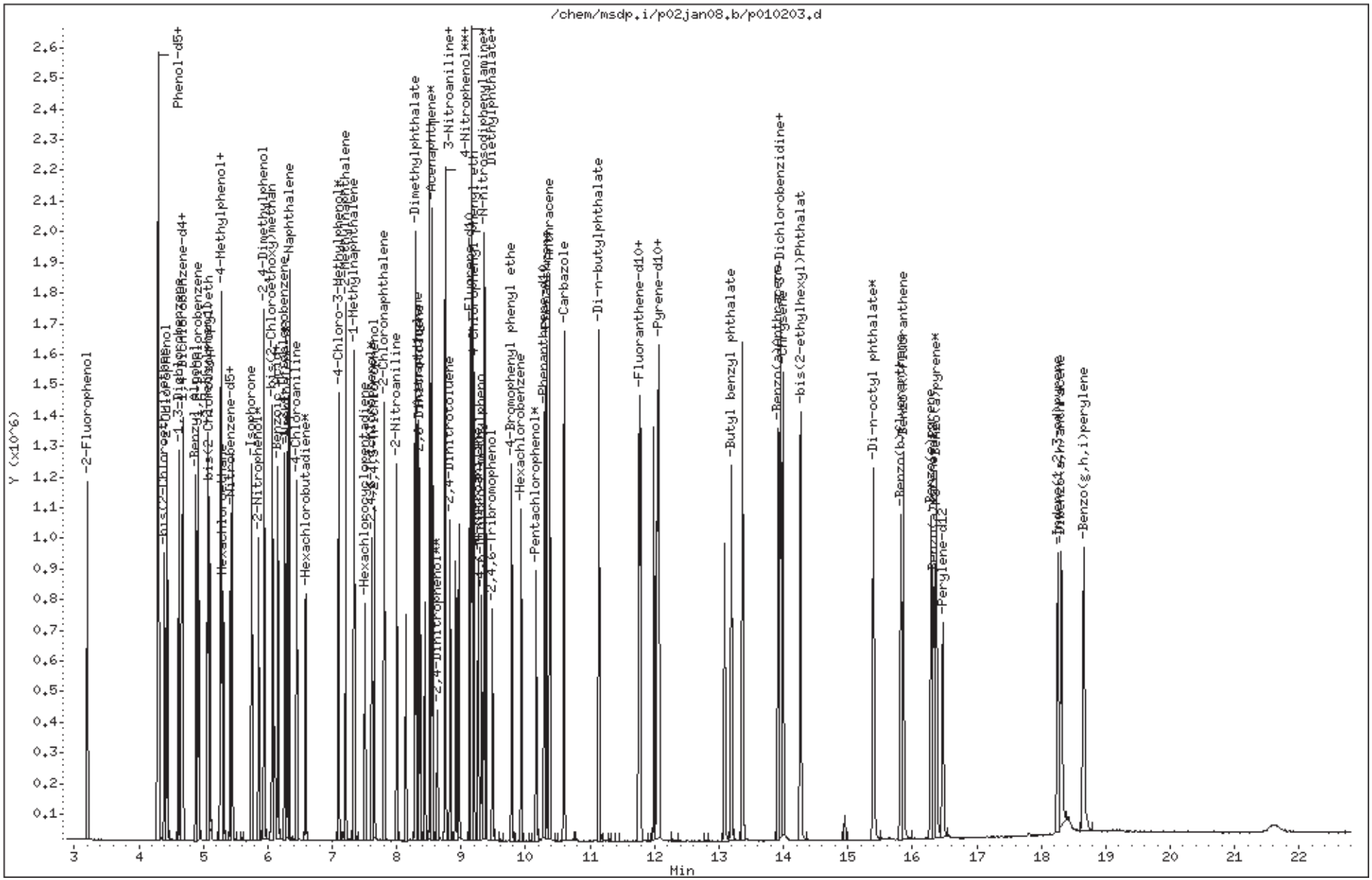
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	275393	0.00
27 Naphthalene-d8	642799	321400	1285598	642799	0.00
47 Acenaphthene-d10	331958	165979	663916	331958	0.00
71 Phenanthrene-d10	574512	287256	1149024	574512	0.00
90 Chrysene-d12	505378	252689	1010756	505378	0.00
99 Perylene-d12	377169	188584	754338	377169	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.48	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

0230

Data File: /chem/msdp.i/p02jan08.b/p010203.d
Date : 02-JAN-2008 11:00
Client ID: CCV
Instrument: msdp.i
Sample Info: ;1500-101-50;CCV
Volume Injected (uL): 1.0
Operator: LP
Column phase: DB-5.625
Column diameter: 0.25



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712491-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010217**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 06:03 PM**	

Compound	%Recovery
Phenol	74
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	75
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	71
1,2-Dichlorobenzene	Not Spiked
2-Methylphenol (o-Cresol)	Not Spiked
bis(2-Chloroisopropyl) Ether	Not Spiked
N-Nitroso-di-n-propylamine	81
4-Methylphenol/3-Methylphenol	Not Spiked
Hexachloroethane	Not Spiked
Nitrobenzene	Not Spiked
Isophorone	Not Spiked
2-Nitrophenol	Not Spiked
2,4-Dimethylphenol	Not Spiked
Benzoic Acid	Not Spiked
bis(2-Chloroethoxy) Methane	Not Spiked
2,4-Dichlorophenol	Not Spiked
1,2,4-Trichlorobenzene	78
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	81
2-Methylnaphthalene	Not Spiked
Hexachlorocyclopentadiene	Not Spiked
2,4,6-Trichlorophenol	Not Spiked
2,4,5-Trichlorophenol	Not Spiked
2-Chloronaphthalene	Not Spiked
2-Nitroaniline	Not Spiked
Dimethylphthalate	Not Spiked
Acenaphthylene	Not Spiked
2,6-Dinitrotoluene	Not Spiked
3-Nitroaniline	Not Spiked
Acenaphthene	79
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	58
2,4-Dinitrotoluene	72
Dibenzofuran	Not Spiked
Diethylphthalate	Not Spiked

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712491-05A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	**p010217**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/2/08 06:03 PM**	

Compound	%Recovery
Fluorene	Not Spiked
4-Chlorophenyl-phenyl Ether	Not Spiked
4-Nitroaniline	Not Spiked
4,6-Dinitro-2-methylphenol	Not Spiked
N-Nitrosodiphenylamine	Not Spiked
4-Bromophenyl-phenyl Ether	Not Spiked
Hexachlorobenzene	Not Spiked
Pentachlorophenol	56
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	78
Butylbenzylphthalate	Not Spiked
3,3'-Dichlorobenzidine	Not Spiked
Chrysene	Not Spiked
Benzo(a)anthracene	Not Spiked
bis(2-Ethylhexyl)phthalate	Not Spiked
Di-n-Octylphthalate	Not Spiked
Benzo(b)fluoranthene	Not Spiked
Benzo(k)fluoranthene	Not Spiked
Benzo(a)pyrene	Not Spiked
Indeno(1,2,3-c,d)pyrene	Not Spiked
Dibenz(a,h)anthracene	Not Spiked
Benzo(g,h,i)perylene	Not Spiked

Air Sample Volume(L): 2700

Extraction Date:12/26/07

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	68	50-150
Phenol-d5	70	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	65	50-150
Fluorene-d10	80	60-120
Pyrene-d10	79	60-120

Report Date: 03-Jan-2008 07:47

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: p02jan08
Sample Matrix: GAS Fraction: SV
Lab Smp Id: 0712491-LCS Client Smp ID: LCS
Level: LOW Operator: LP
Data Type: MS DATA SampleType: LCS
SpikeList File: TO13100.spk Quant Type: ISTD
Sublist File: lcsfull.sub
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

	SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
	3 Phenol*	50.00	37.24	74.49	50-150
	5 2-Chlorophenol	50.00	37.56	75.12	50-150
	9 1,4-Dichlorobenzen	50.00	35.30	70.60	50-150
	15 N-Nitrosodipropyla	50.00	40.54	81.09	50-150
	26 1,2,4-Trichloroben	50.00	38.92	77.83	50-150
	32 4-Chloro-3-Methylp	50.00	40.30	80.60	50-150
	48 Acenaphthene*	50.00	39.50	78.99	60-120
	50 4-Nitrophenol**	50.00	29.28	58.55	50-150
	52 2,4-Dinitrotoluene	50.00	36.08	72.15	50-150
	68 Pentachlorophenol*	50.00	27.75	55.49	22-109
	81 Pyrene	50.00	39.11	78.22	60-120

	SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
$	1 2-Fluorophenol	50.00	34.29	68.58	50-150
$	2 Phenol-d5	50.00	34.93	69.85	50-150
$	17 Nitrobenzene-d5	50.00	39.66	79.33	50-150
$	62 2,4,6-Tribromophen	50.00	32.68	65.37	50-150
$	147 Fluorene-d10	50.00	39.87	79.75	60-120
$	148 Pyrene-d10	50.00	39.33	78.66	60-120

Air Toxics Ltd.

Semivolatile by Modified 8270C/TO-13

Data file : /chem/msdp.i/p02jan08.b/p010217.d
Lab Smp Id: 0712491-LCS Client Smp ID: LCS
Inj Date : 02-JAN-2008 18:03
Operator : LP Inst ID: msdp.i
Smp Info : ;0712491-LCS;LCS
Misc Info : ,NOTICS
Comment :
Method : /chem/msdp.i/p02jan08.b/bnap1221.m
Meth Date : 03-Jan-2008 07:46 lpham Quant Type: ISTD
Cal Date : 21-DEC-2007 13:22 Cal File: p122109.d
Als bottle: 17 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcsfull.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * (Vt/S*Vi)/CF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
S	1.00000	Sample Portion
Vi	1.00000	Volume injected (uL)
CF	1000.00000	Conversion ng->ug

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug)
$ 1 2-Fluorophenol	112	3.196	3.196	(0.685)	214450	34.2892	34.29
$ 2 Phenol-d5	99	4.293	4.293	(0.920)	277111	34.9260	34.93
$ 17 Nitrobenzene-d5	82	5.421	5.421	(0.860)	281599	39.6651	39.66
$ 62 2,4,6-Tribromophenol	330	9.489	9.489	(1.114)	53747	32.6839	32.68
$ 147 Fluorene-d10	176	9.137	9.137	(1.073)	418975	39.8738	39.87
$ 148 Pyrene-d10	212	12.045	12.045	(0.863)	587384	39.3312	39.33
* 7 1,4-Dichlorobenzene-d4	150	4.665	4.665	(1.000)	272608	40.0000	
* 27 Naphthalene-d8	136	6.301	6.301	(1.000)	658911	40.0000	
* 47 Acenaphthene-d10	164	8.516	8.516	(1.000)	383015	40.0000	
* 71 Phenanthrene-d10	188	10.296	10.296	(1.000)	662537	40.0000	
* 90 Chrysene-d12	240	13.950	13.950	(1.000)	596864	40.0000	
* 99 Perylene-d12	264	16.475	16.475	(1.000)	410068	40.0000	
3 Phenol*	94	4.303	4.303	(0.922)	332728	37.2448	37.24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug)
5	2-Chlorophenol	128	4.438	4.438	(0.951)	240680	37.5624	37.56
9	1,4-Dichlorobenzene*	146	4.686	4.686	(1.004)	245522	35.3009	35.30
15	N-Nitrosodipropylamine**	70	5.276	5.276	(1.131)	202160	40.5448	40.54
26	1,2,4-Trichlorobenzene	180	6.259	6.259	(0.993)	192730	38.9165	38.92
32	4-Chloro-3-Methylphenol*	107	7.098	7.098	(1.126)	227507	40.2977	40.30
48	Acenaphthene*	154	8.557	8.557	(1.005)	436736	39.4973	39.50
50	4-Nitrophenol**	109	8.743	8.754	(1.027)	57536	29.2768	29.28
52	2,4-Dinitrotoluene	165	8.826	8.826	(1.036)	143170	36.0757	36.08
68	Pentachlorophenol*	266	10.161	10.161	(0.987)	59580	27.7470	27.75
81	Pyrene	202	12.066	12.066	(0.865)	760490	39.1082	39.11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdp.i
Lab File ID: p010217.d
Lab Smp Id: 0712491-LCS
Analysis Type: SV
Quant Type: ISTD
Operator: LP
Method File: /chem/msdp.i/p02jan08.b/bnap1221.m
Misc Info: ,NOTICS

Calibration Date: 02-JAN-2008
Calibration Time: 11:00
Client Smp ID: LCS
Level: LOW
Sample Type: PUF/XAD

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	275393	137696	550786	272608	-1.01
27 Naphthalene-d8	642799	321400	1285598	658911	2.51
47 Acenaphthene-d10	331958	165979	663916	383015	15.38
71 Phenanthrene-d10	574512	287256	1149024	662537	15.32
90 Chrysene-d12	505378	252689	1010756	596864	18.10
99 Perylene-d12	377169	188584	754338	410068	8.72

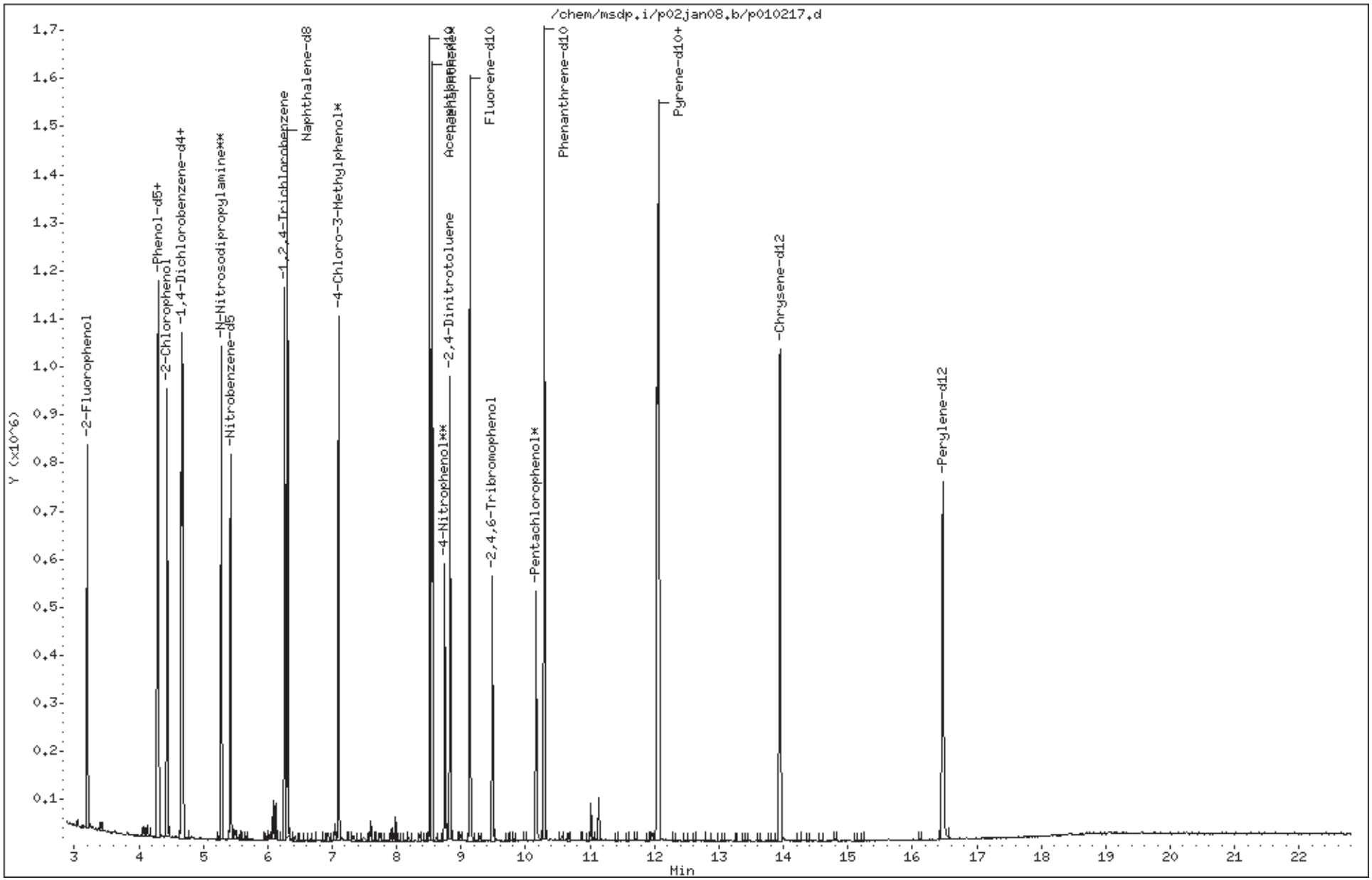
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
7 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
27 Naphthalene-d8	6.30	5.80	6.80	6.30	0.00
47 Acenaphthene-d10	8.52	8.02	9.02	8.52	0.00
71 Phenanthrene-d10	10.30	9.80	10.80	10.30	0.00
90 Chrysene-d12	13.95	13.45	14.45	13.95	0.00
99 Perylene-d12	16.48	15.98	16.98	16.47	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

0237

Data File: /chem/msdp.i/p02jan08.b/p010217.d
Date : 02-JAN-2008 18:03
Client ID: LCS
Sample Info: ;0712491-LCS;LCS
Volume Injected (uL): 1.0
Column phase: DB-5.625

Instrument: msdp.i
Operator: LP
Column diameter: 0.25



Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

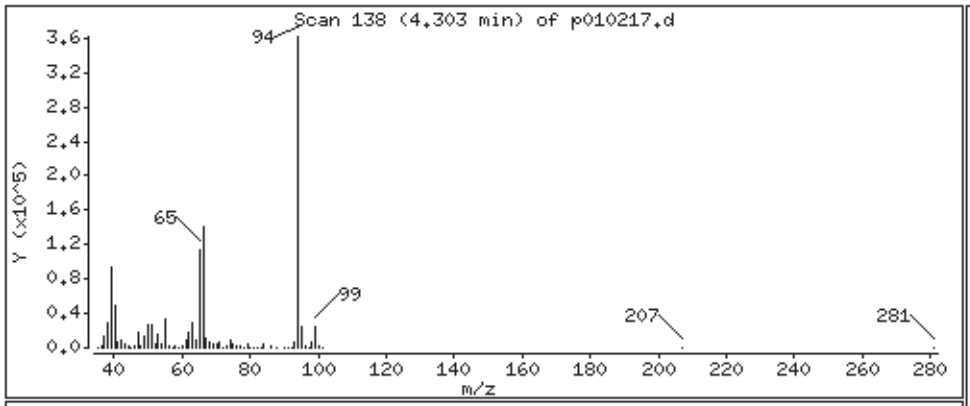
Operator: LP

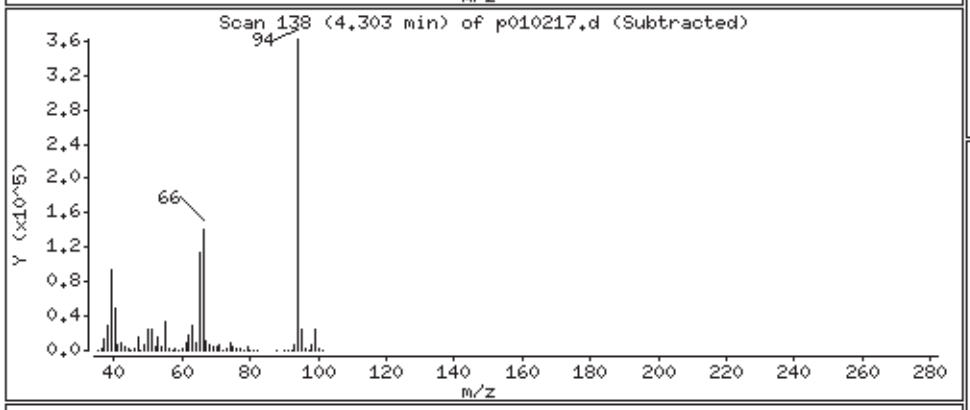
Column phase: DB-5.625

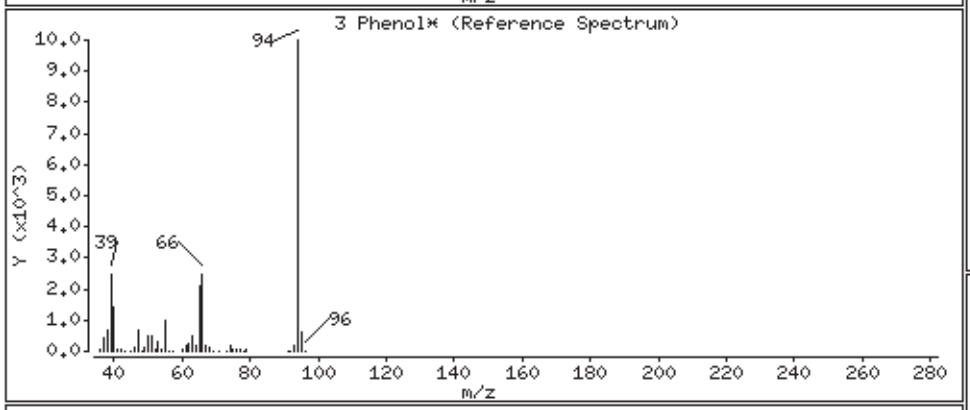
Column diameter: 0.25

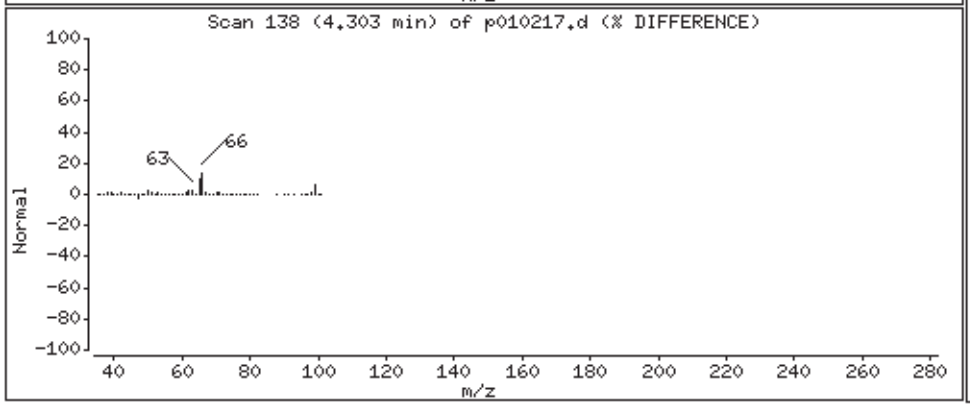
3 Phenol*

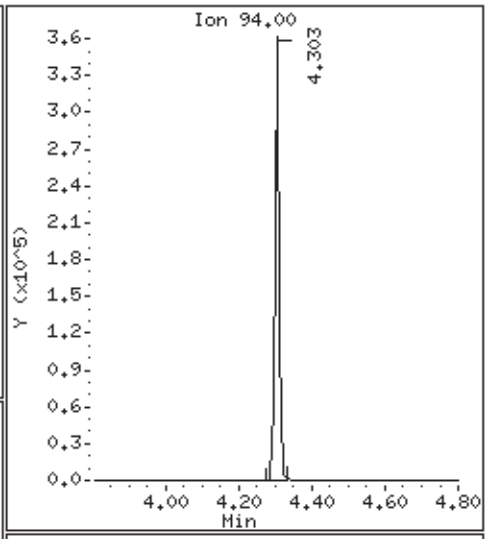
Concentration: 37.24 ug

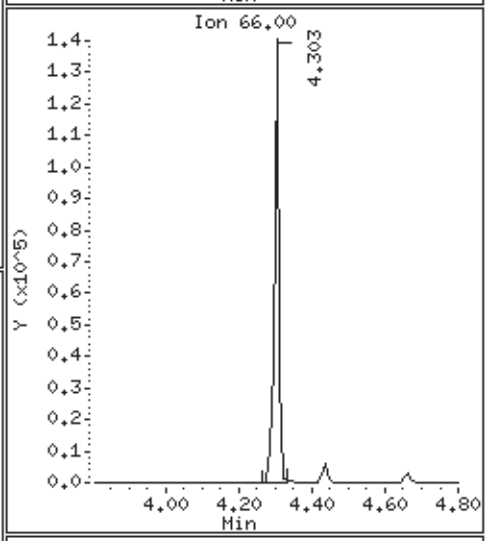


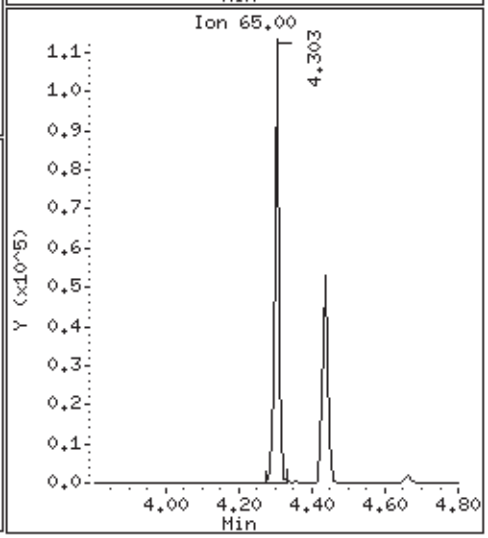












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

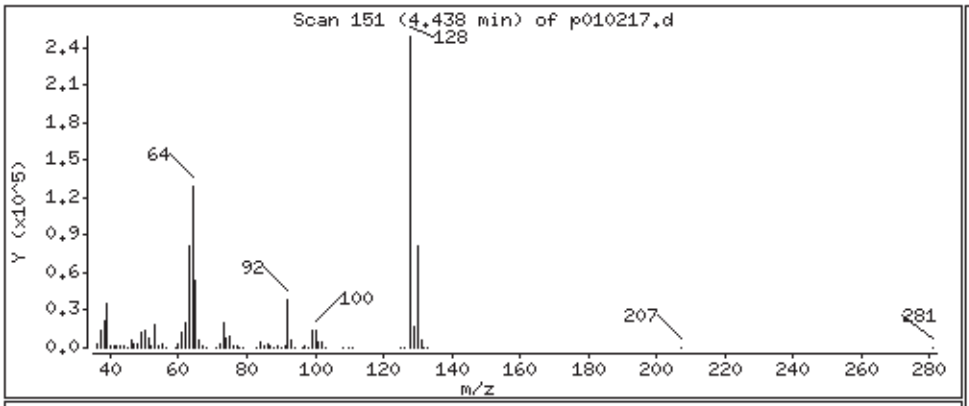
Operator: LP

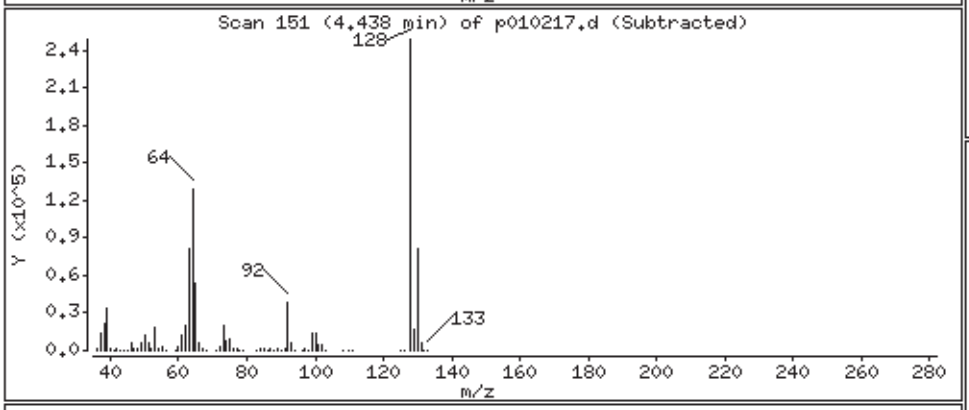
Column phase: DB-5.625

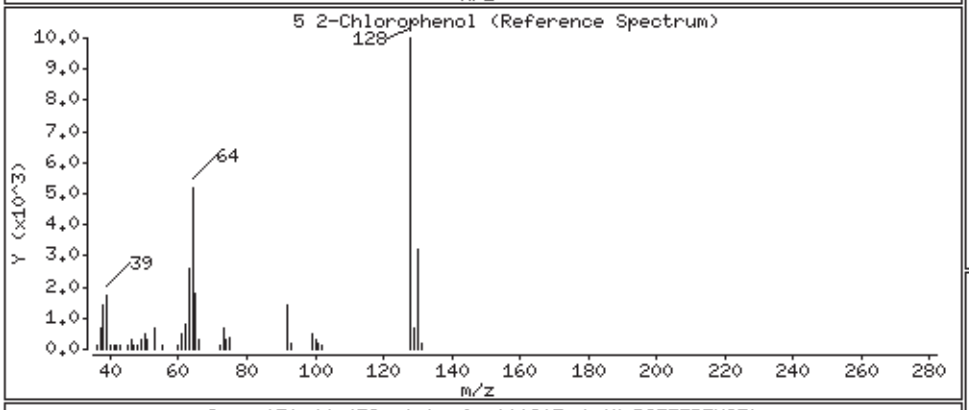
Column diameter: 0.25

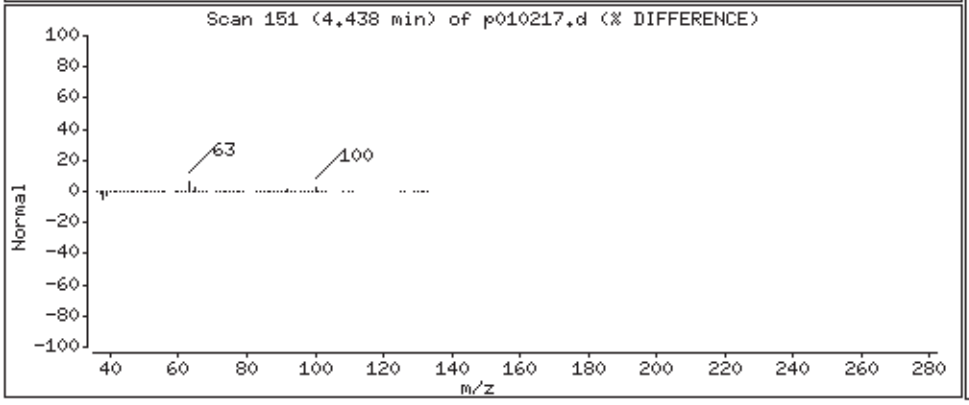
5 2-Chlorophenol

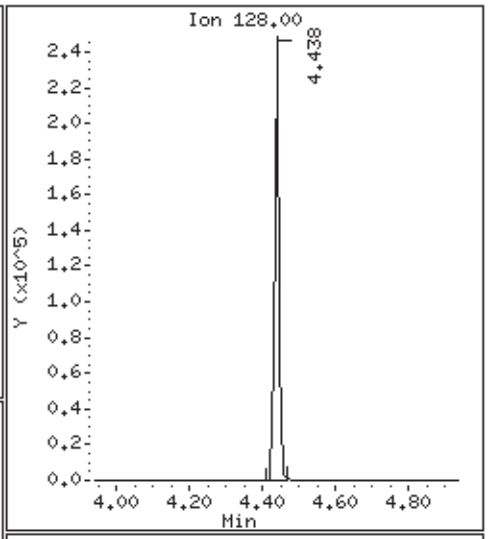
Concentration: 37.56 ug

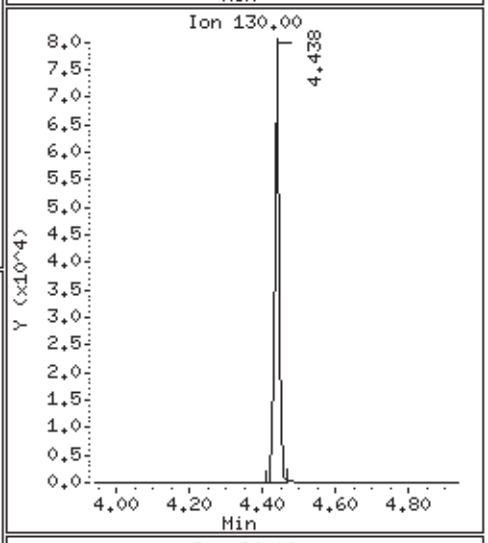


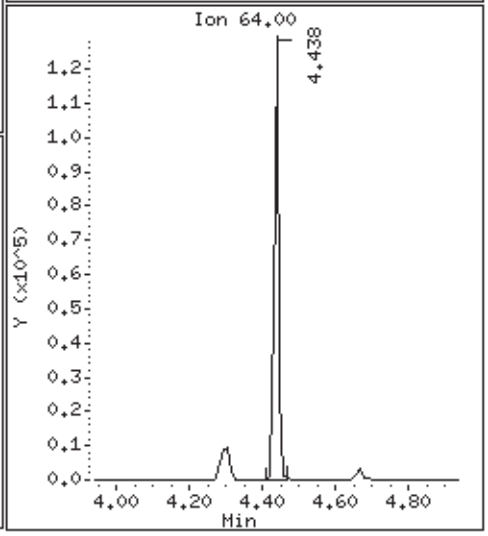












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Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

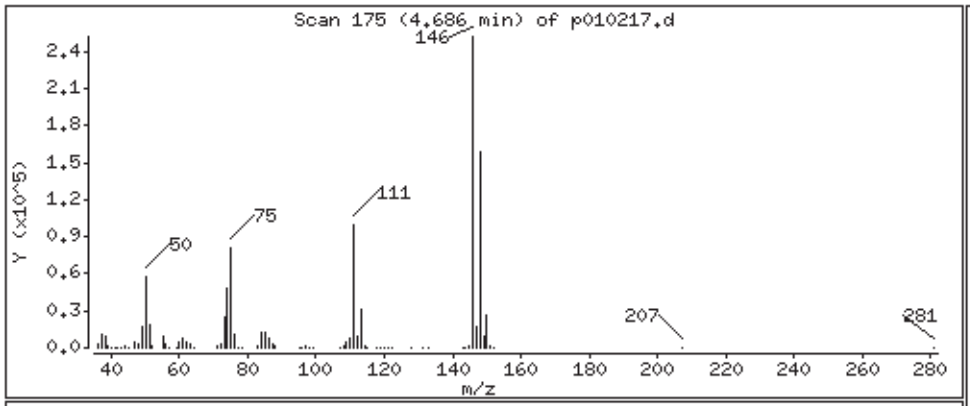
Operator: LP

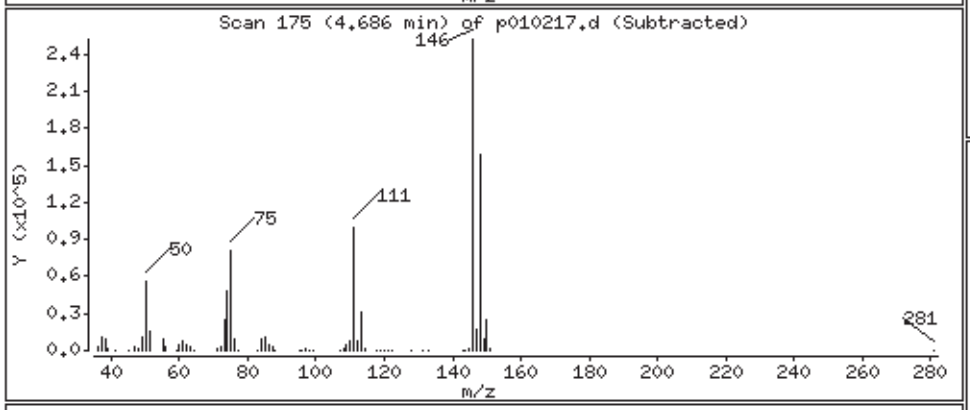
Column phase: DB-5.625

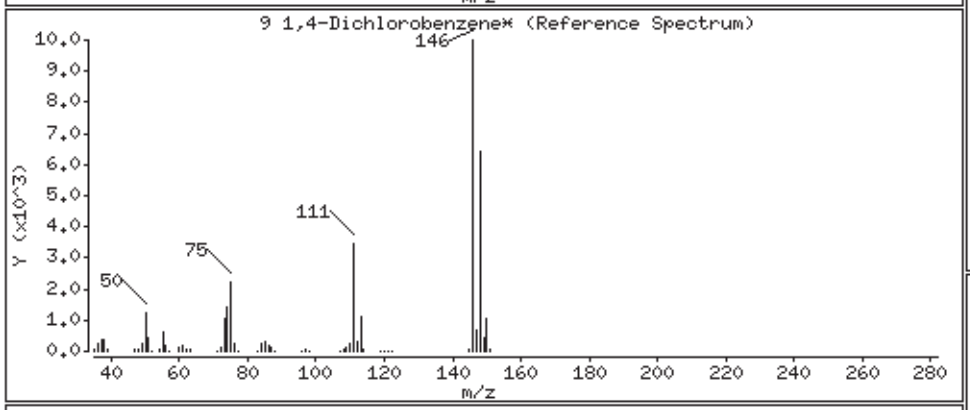
Column diameter: 0.25

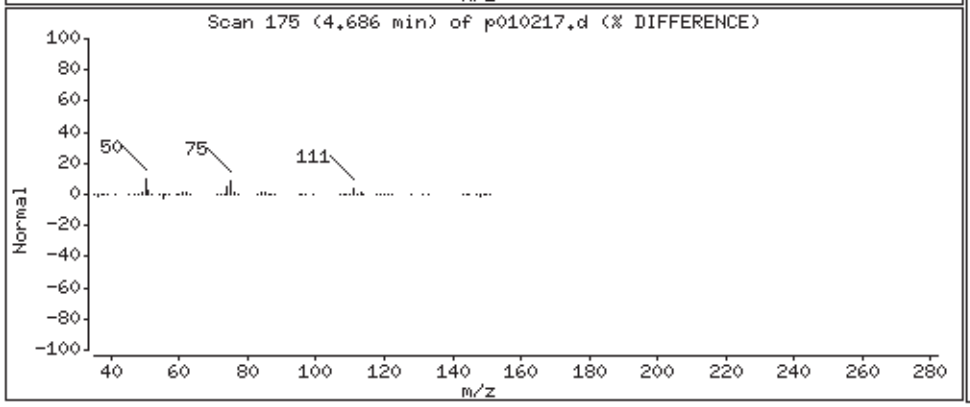
9 1,4-Dichlorobenzene*

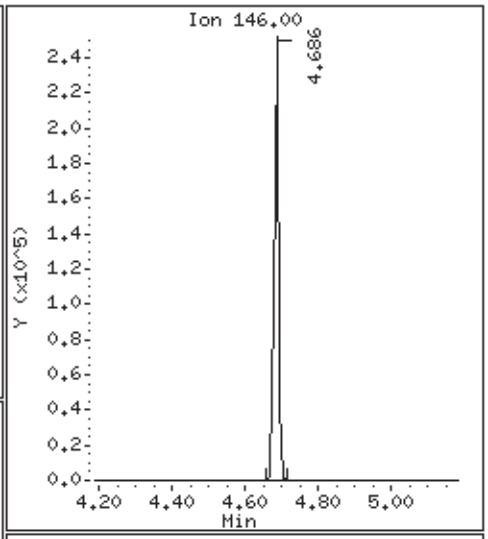
Concentration: 35.30 ug

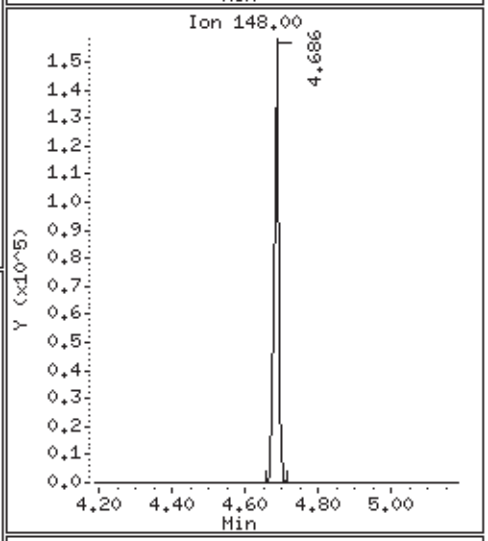


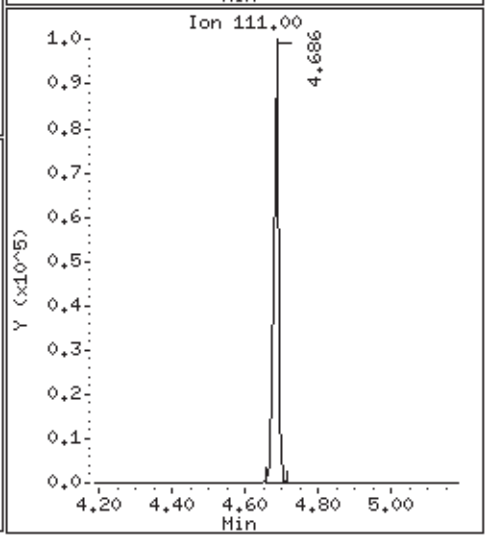












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

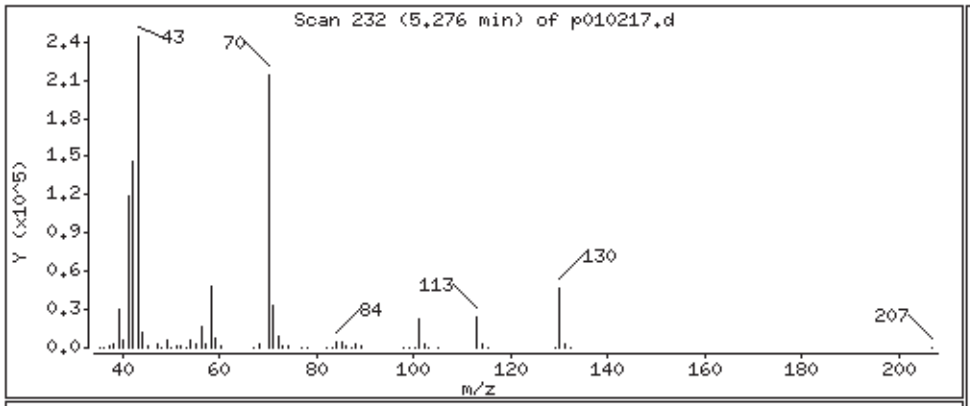
Operator: LP

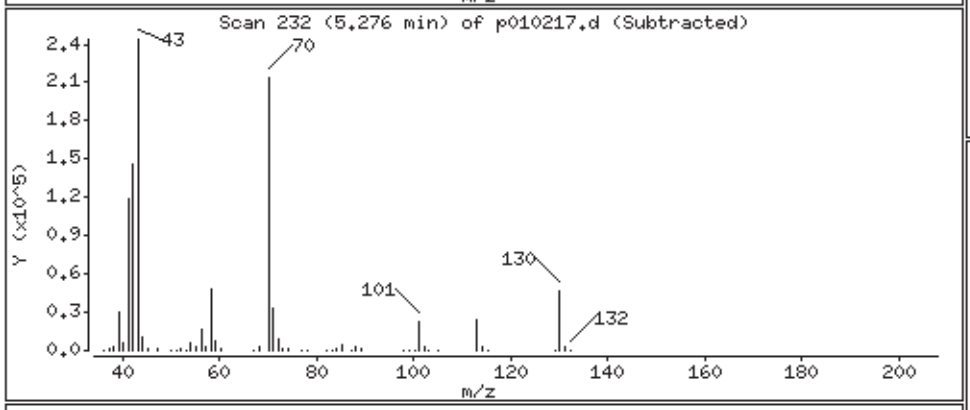
Column phase: DB-5.625

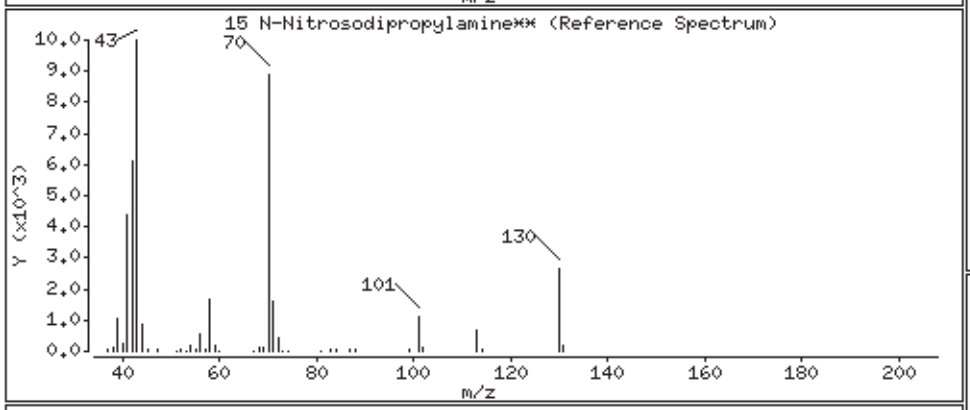
Column diameter: 0.25

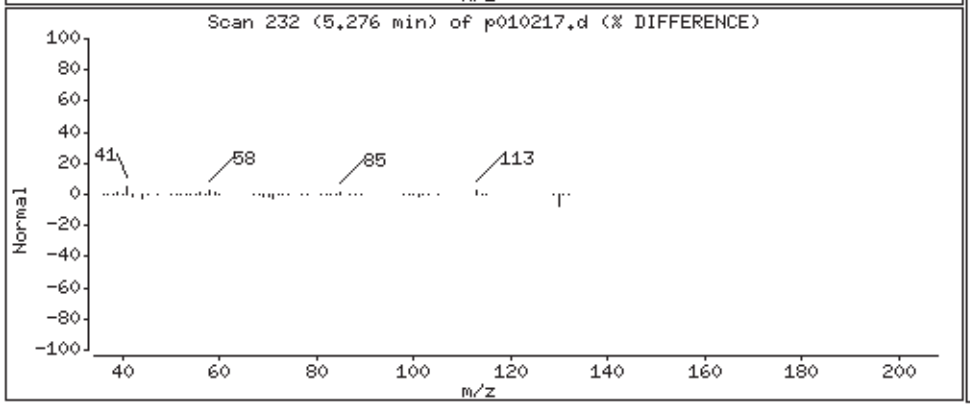
15 N-Nitrosodipropylamine**

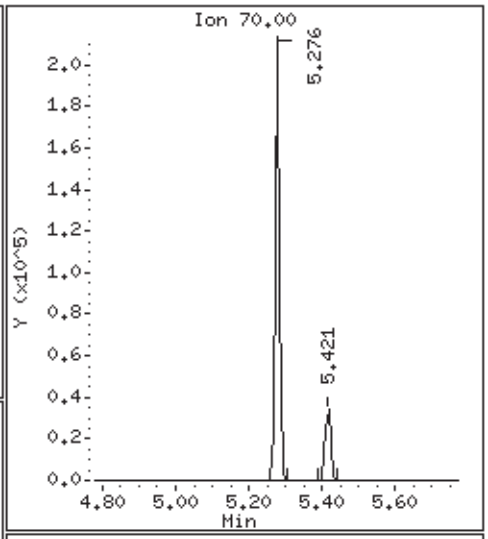
Concentration: 40.54 ug

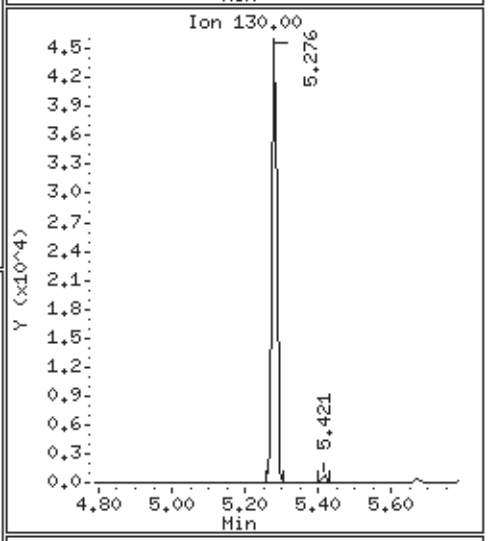


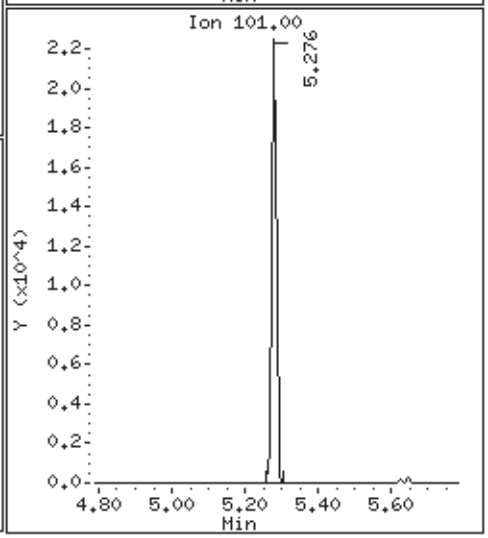












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Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

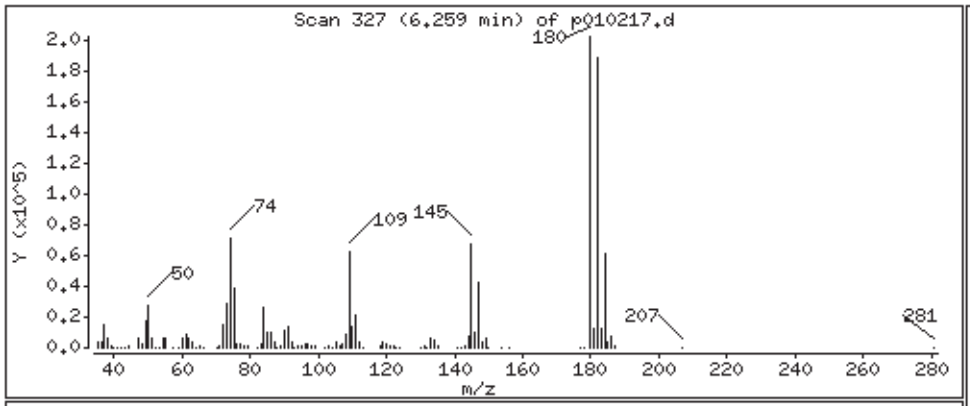
Operator: LP

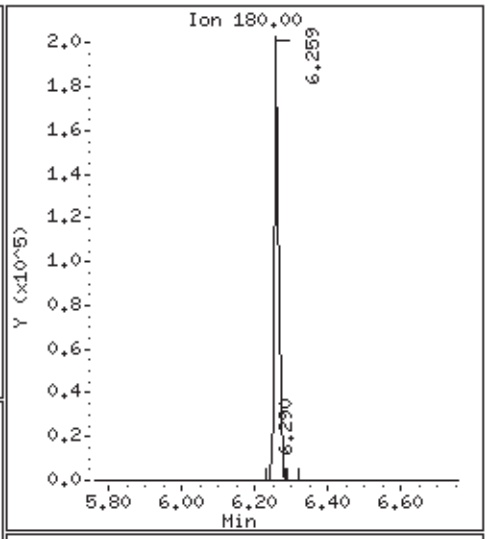
Column phase: DB-5.625

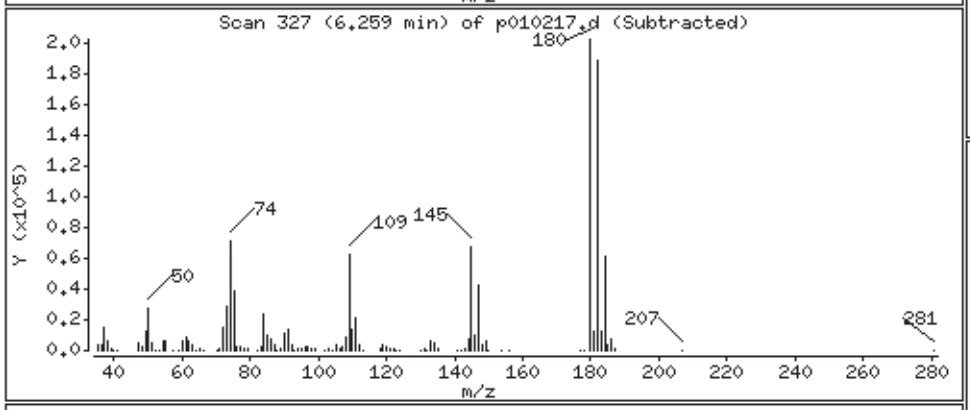
Column diameter: 0.25

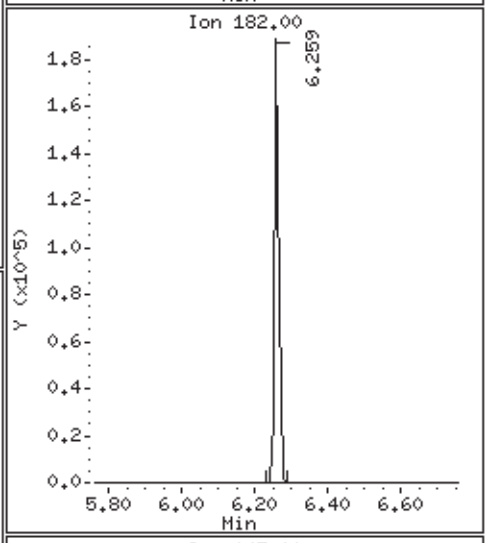
26 1,2,4-Trichlorobenzene

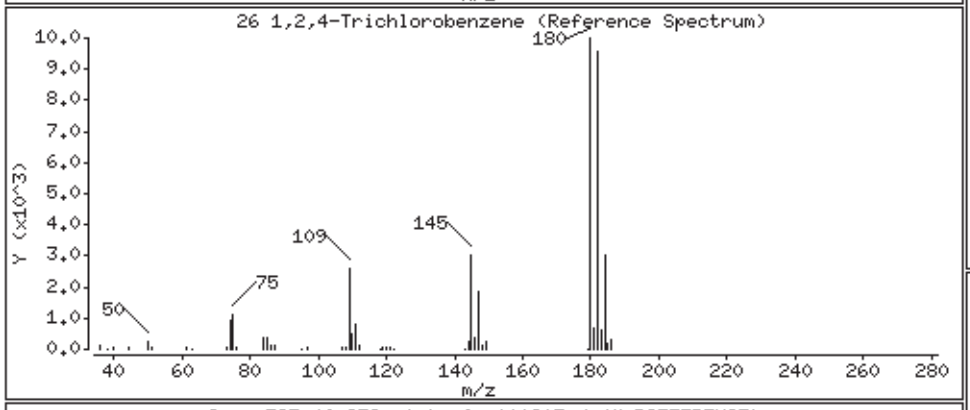
Concentration: 38.92 ug

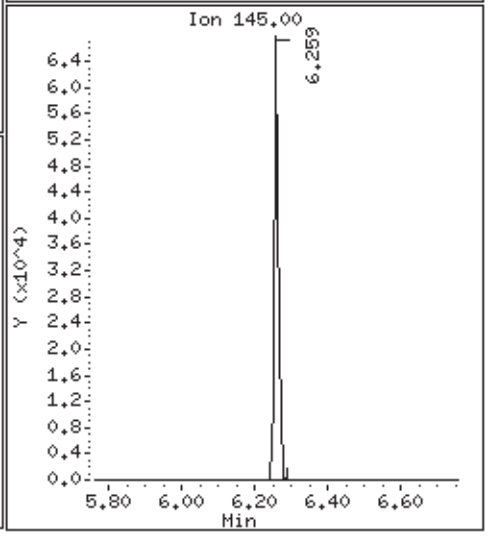


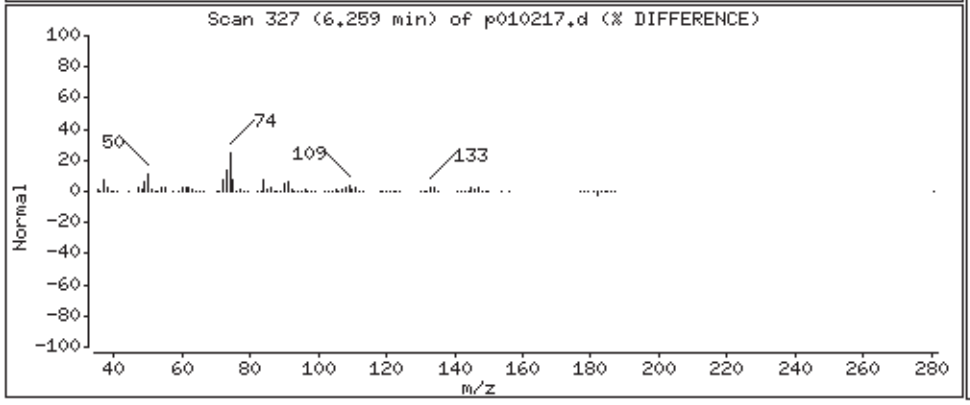












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

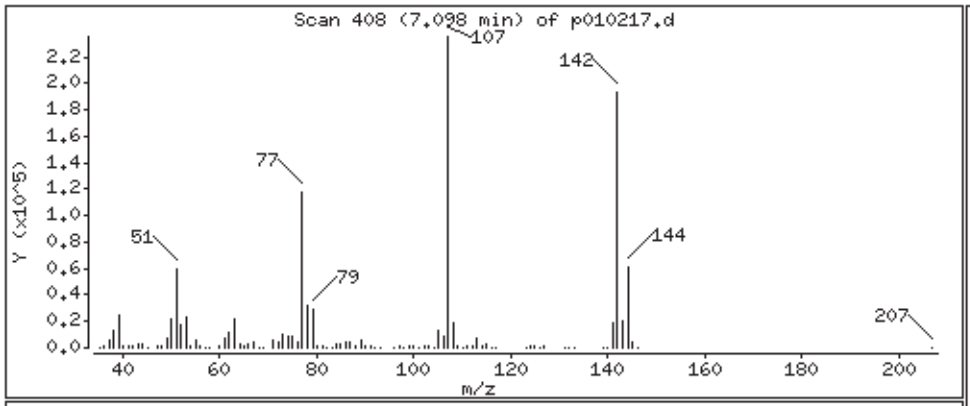
Operator: LP

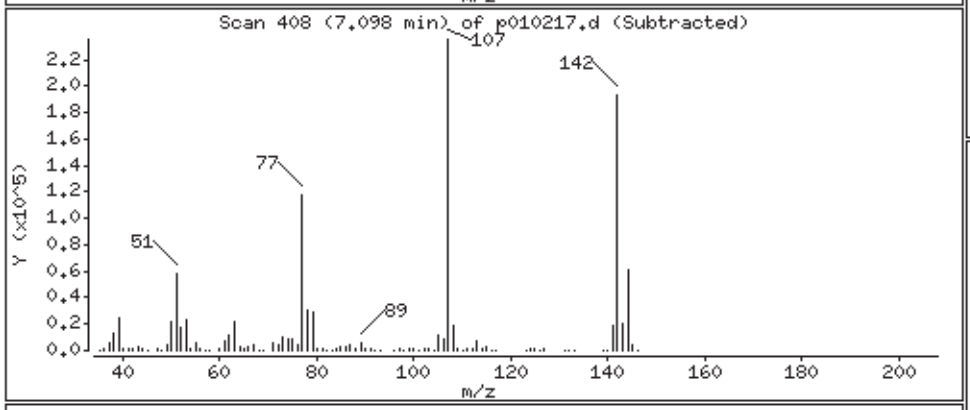
Column phase: DB-5.625

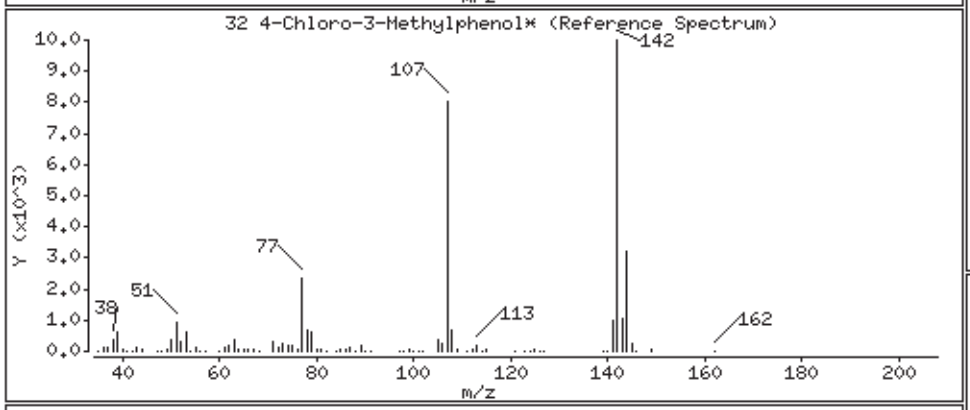
Column diameter: 0.25

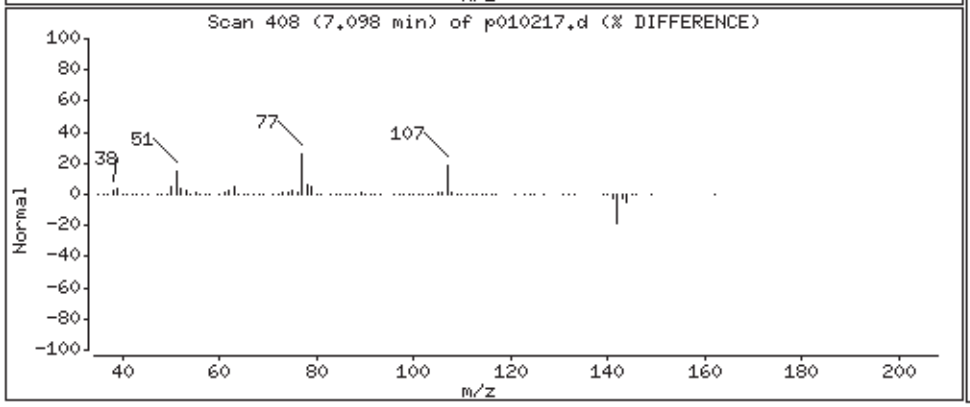
32 4-Chloro-3-Methylphenol*

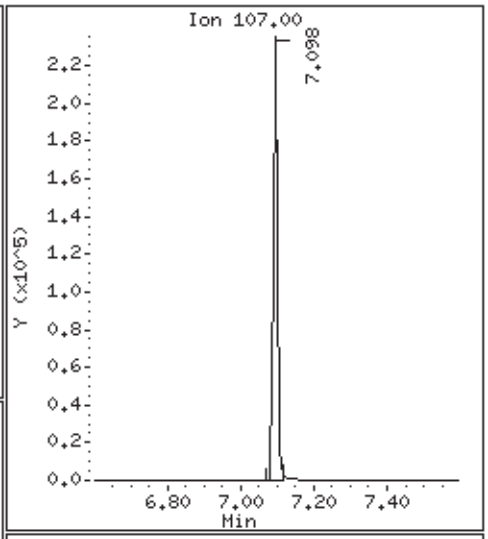
Concentration: 40.30 ug

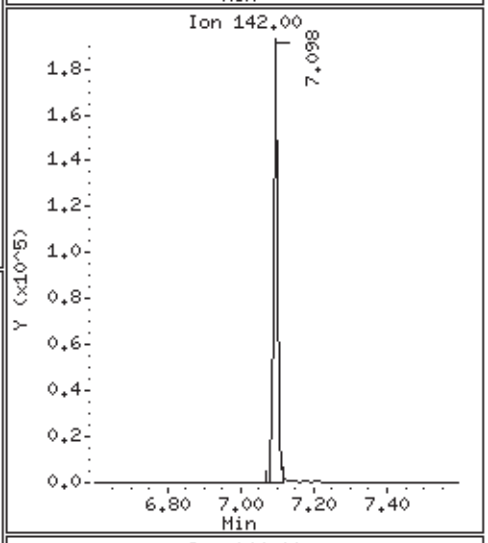


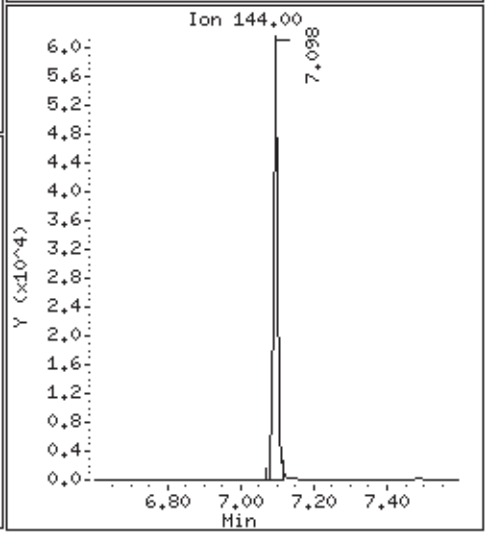












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

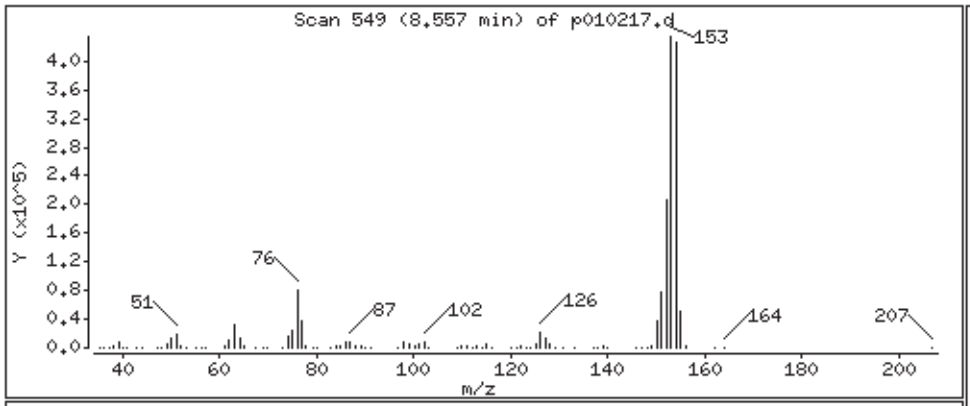
Operator: LP

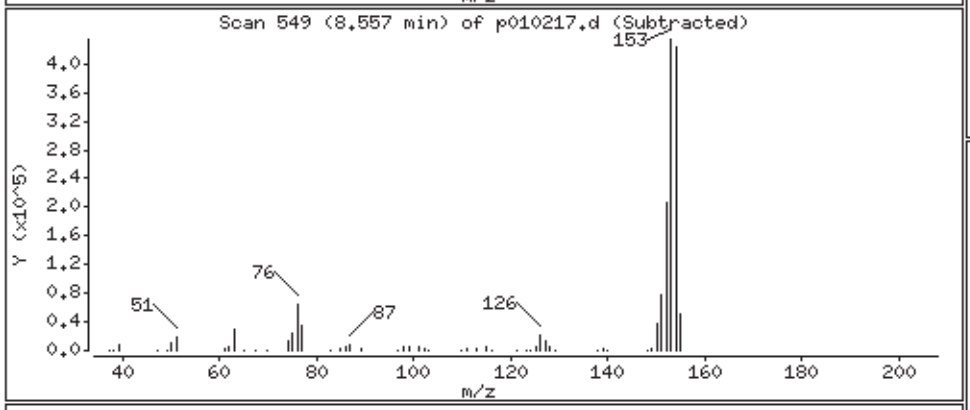
Column phase: DB-5.625

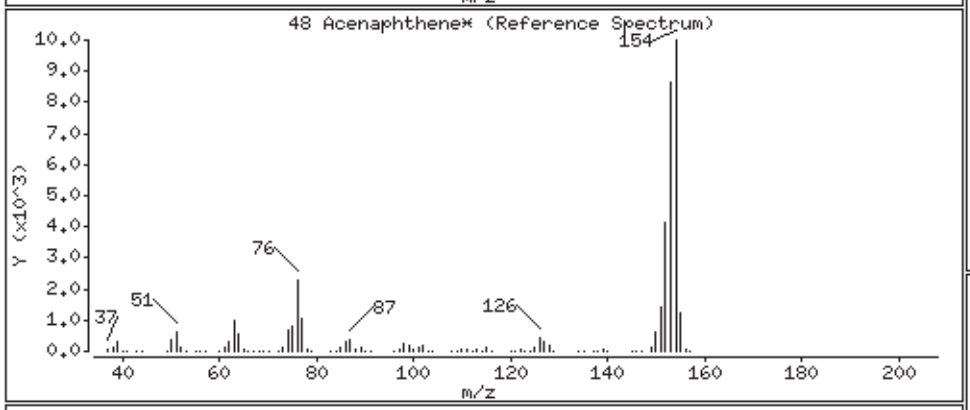
Column diameter: 0.25

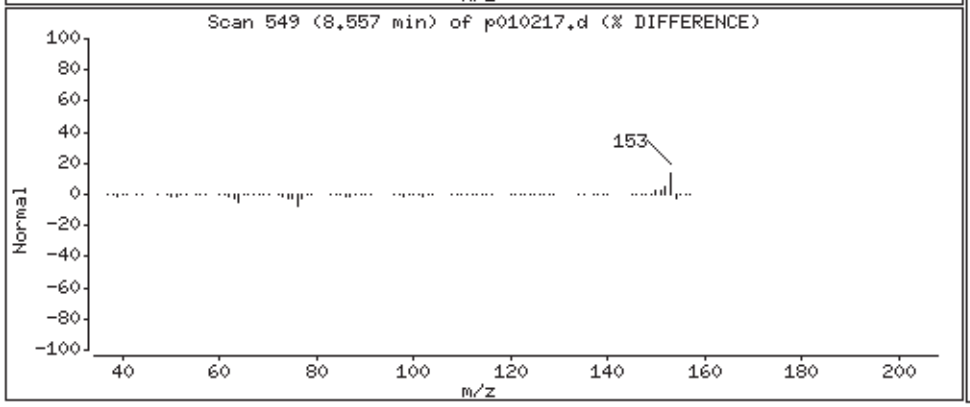
48 Acenaphthene*

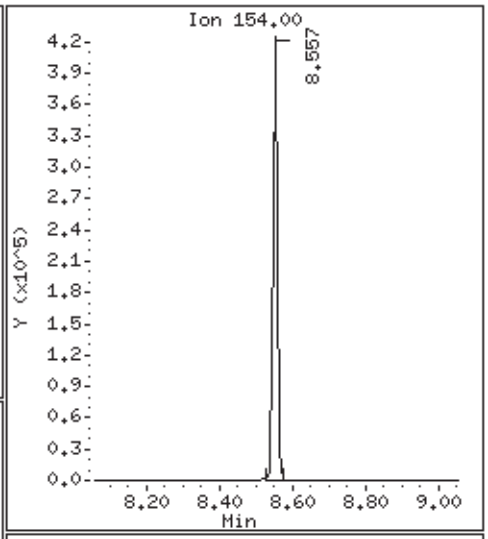
Concentration: 39.50 ug

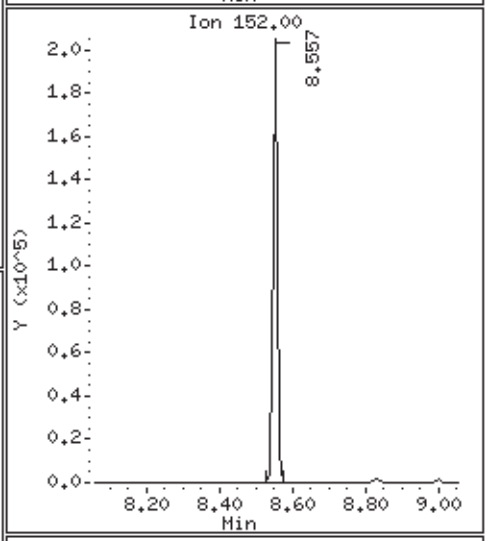


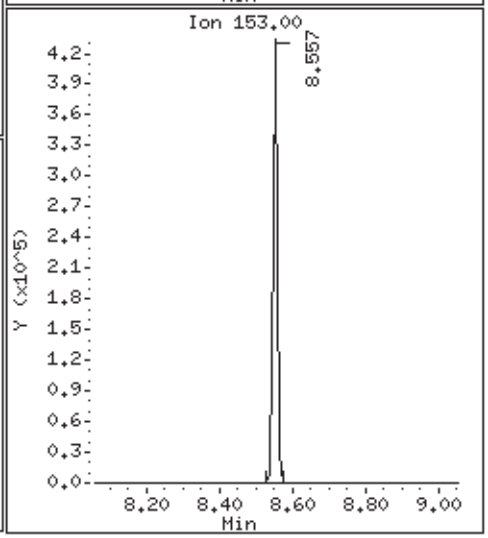












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

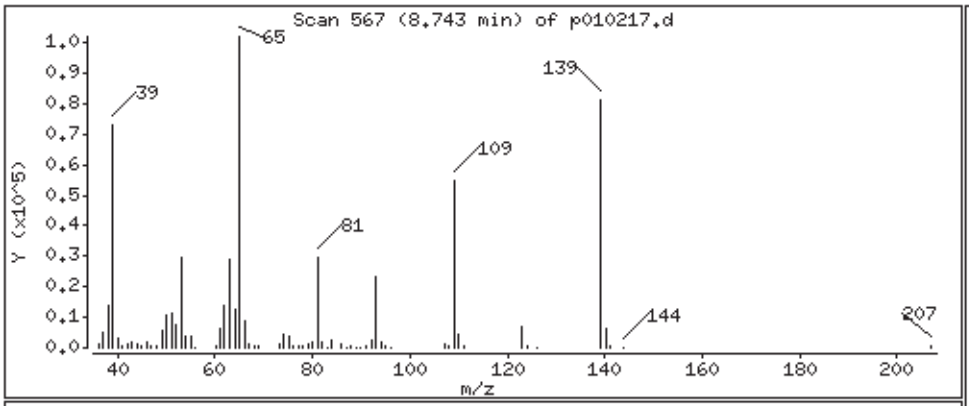
Operator: LP

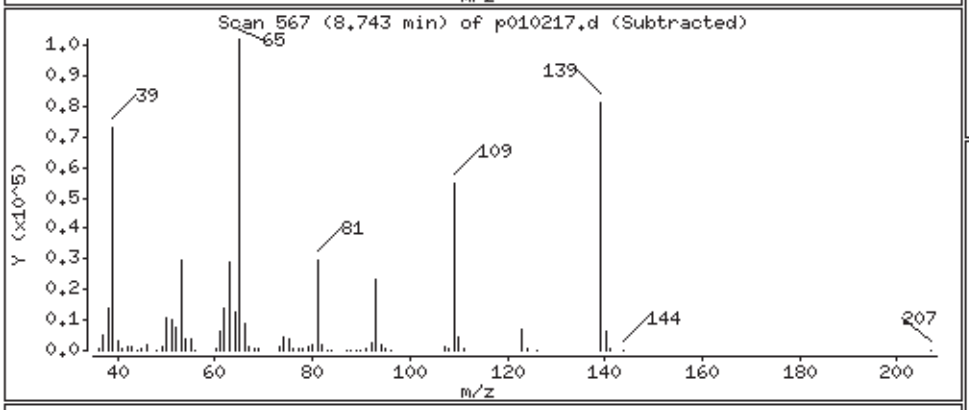
Column phase: DB-5.625

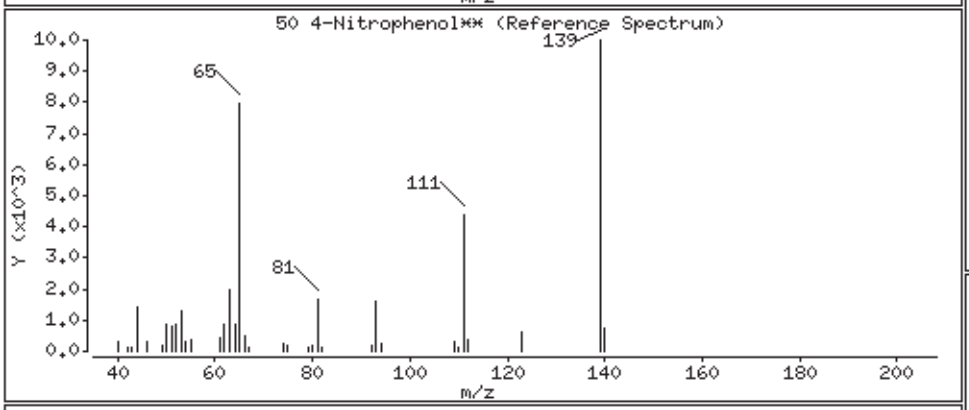
Column diameter: 0.25

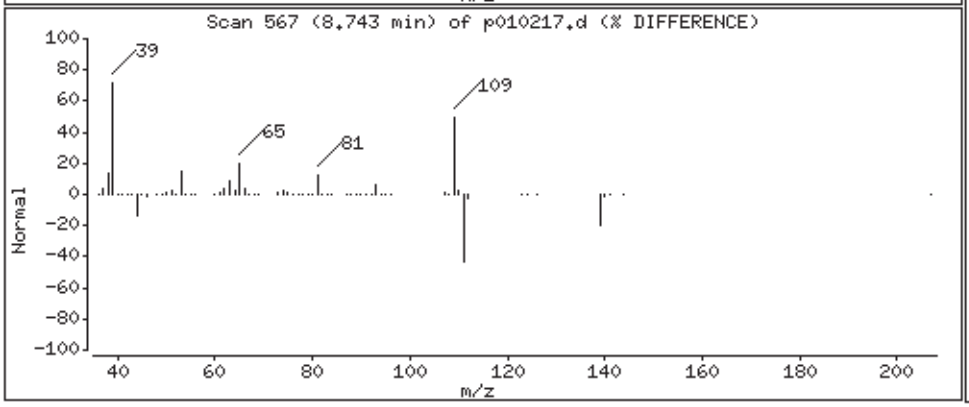
50 4-Nitrophenol**

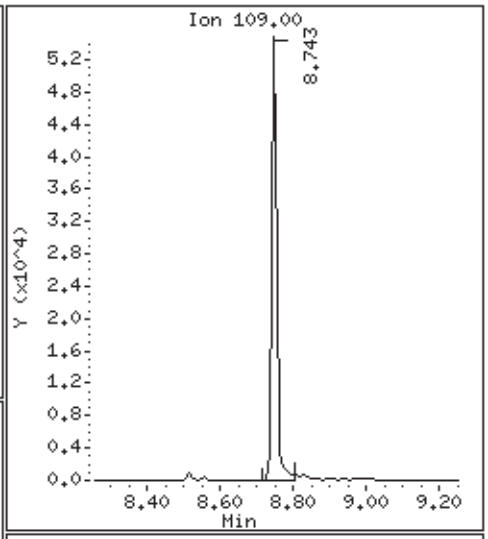
Concentration: 29.28 ug

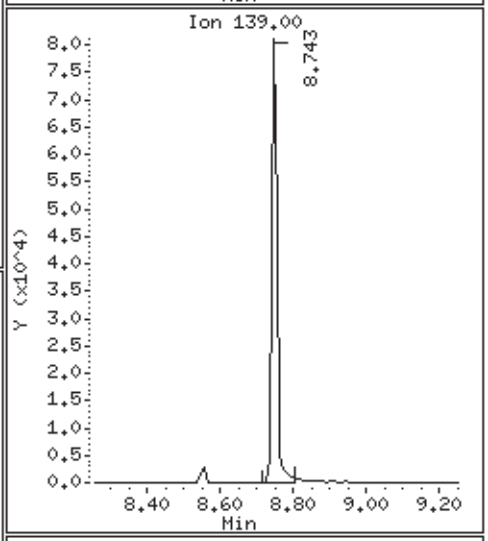


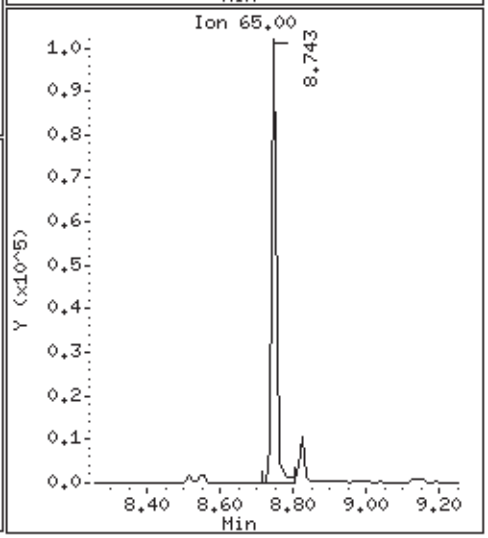












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

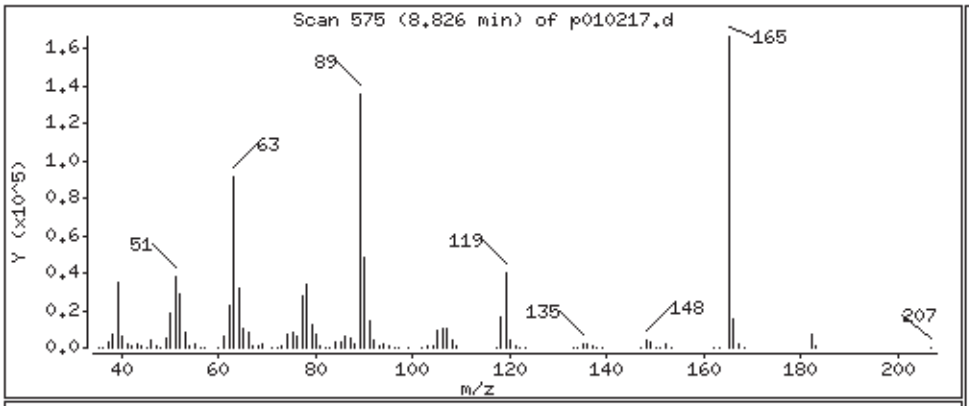
Operator: LP

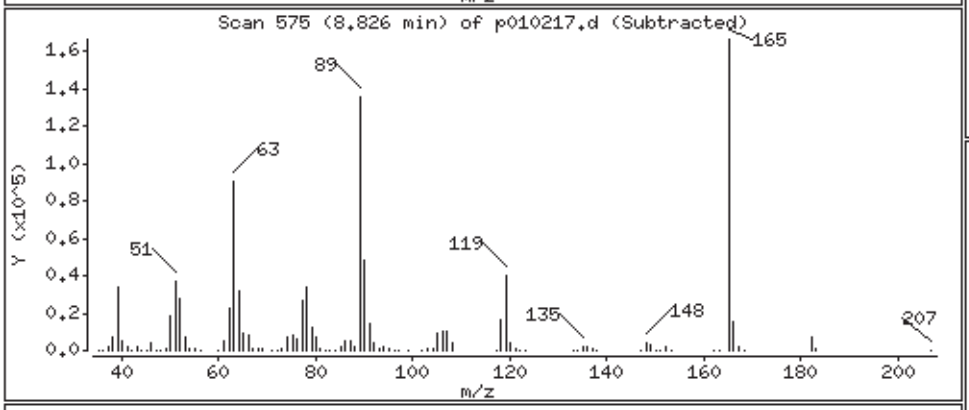
Column phase: DB-5.625

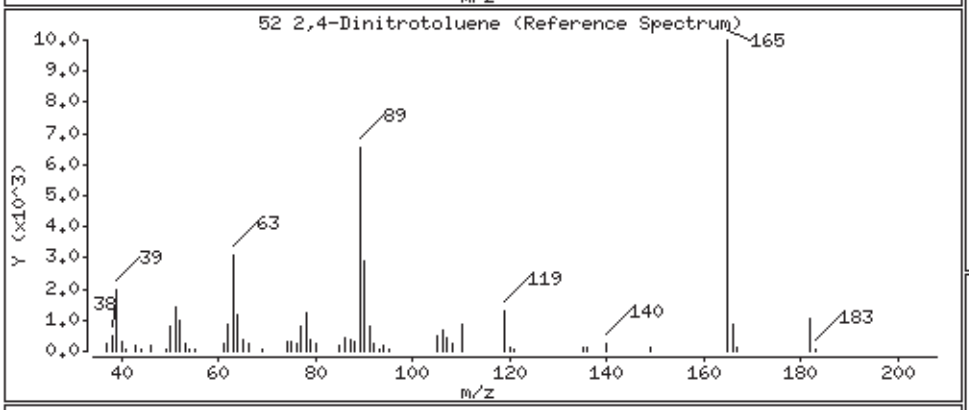
Column diameter: 0.25

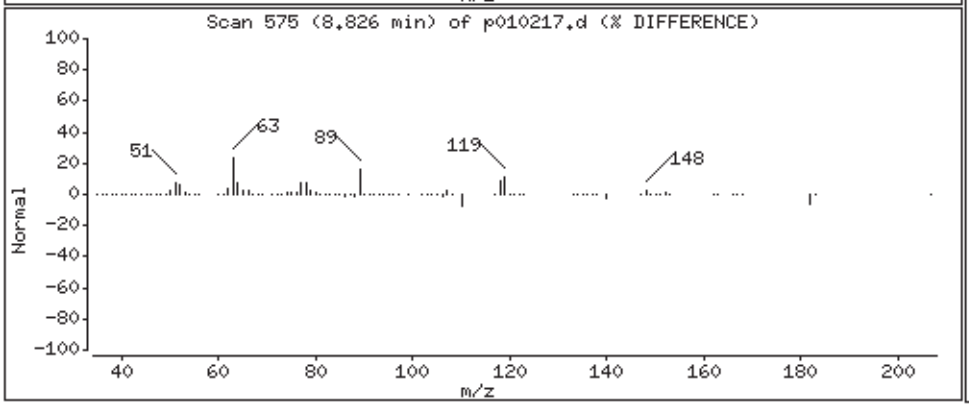
52 2,4-Dinitrotoluene

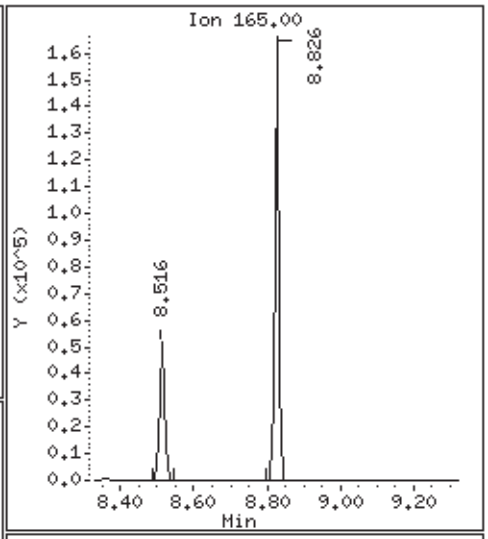
Concentration: 36.08 ug

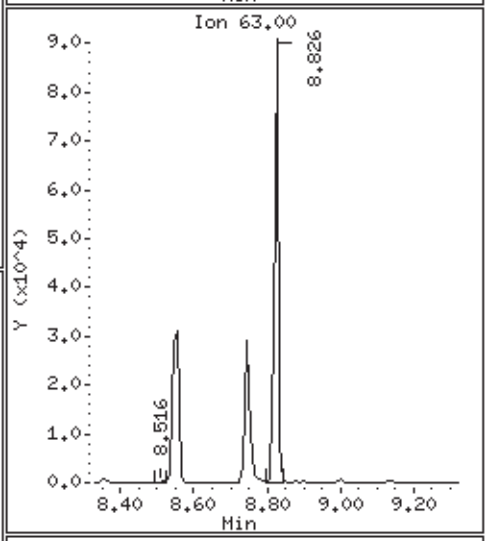


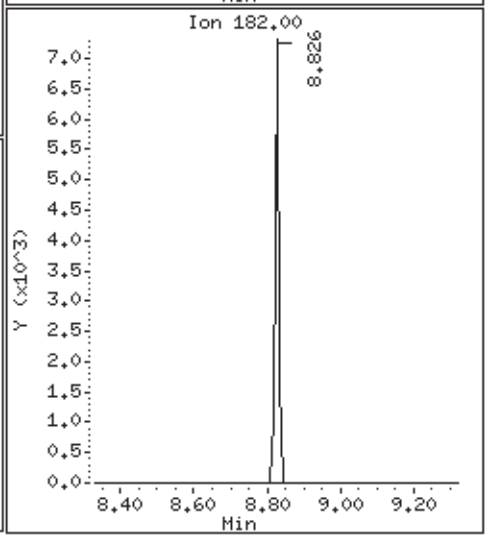












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

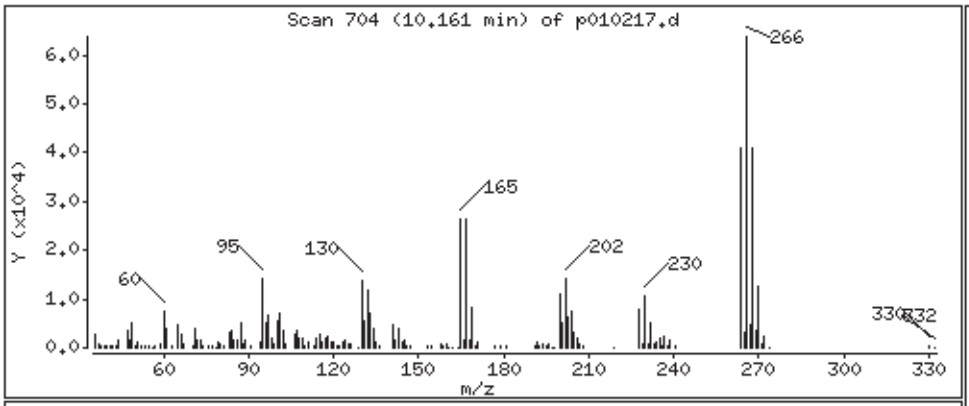
Operator: LP

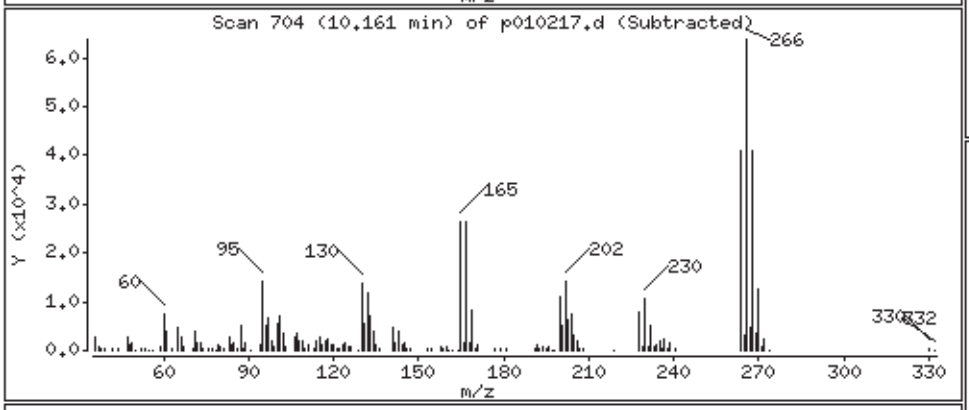
Column phase: DB-5.625

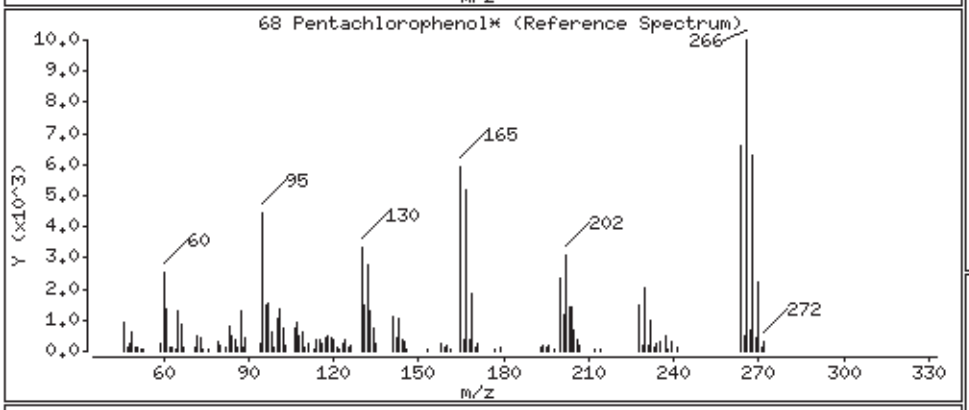
Column diameter: 0.25

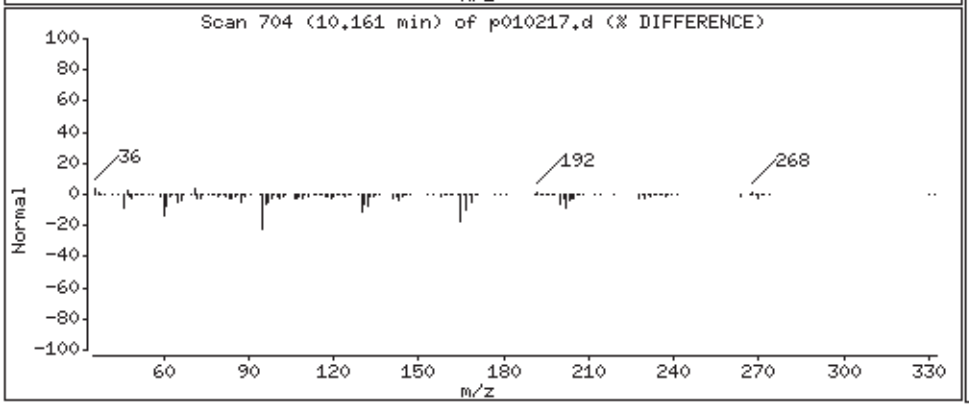
68 Pentachlorophenol*

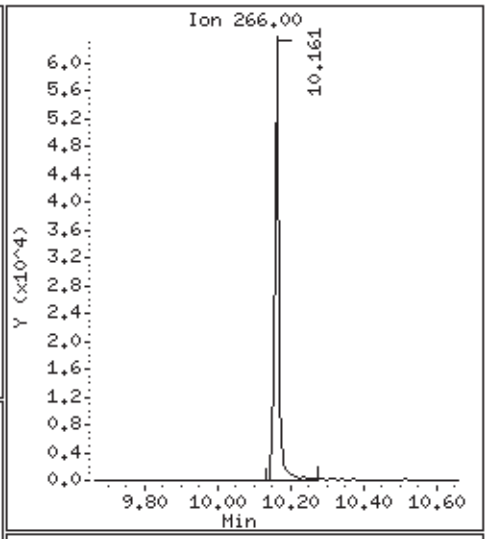
Concentration: 27.75 ug

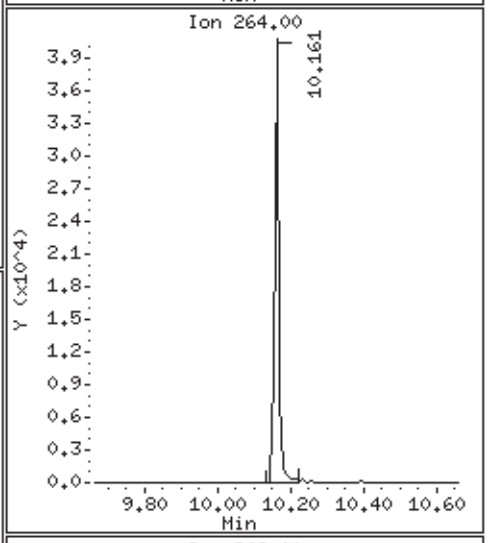


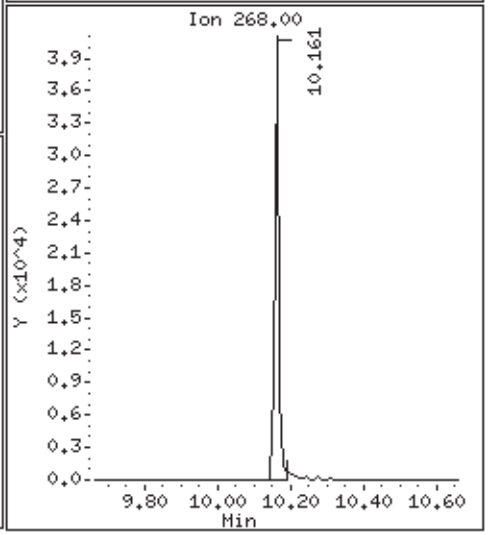












Data File: /chem/msdp.i/p02jan08.b/p010217.d

Date : 02-JAN-2008 18:03

Client ID: LCS

Instrument: msdp.i

Sample Info: ;0712491-LCS;LCS

Volume Injected (uL): 1.0

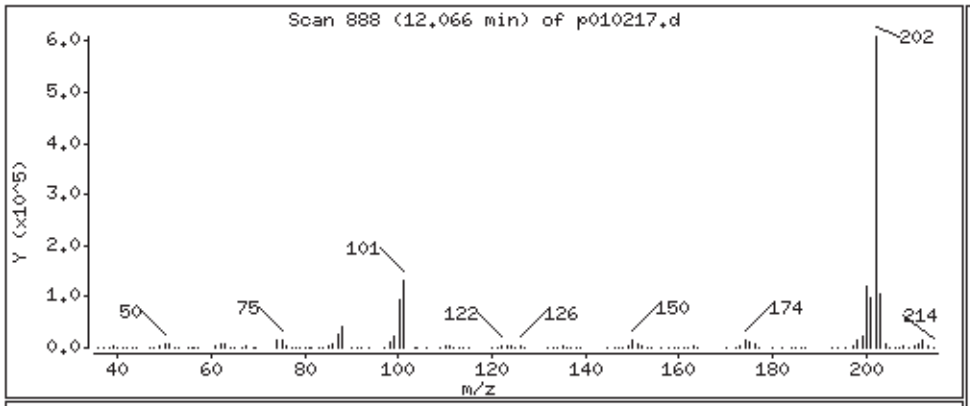
Operator: LP

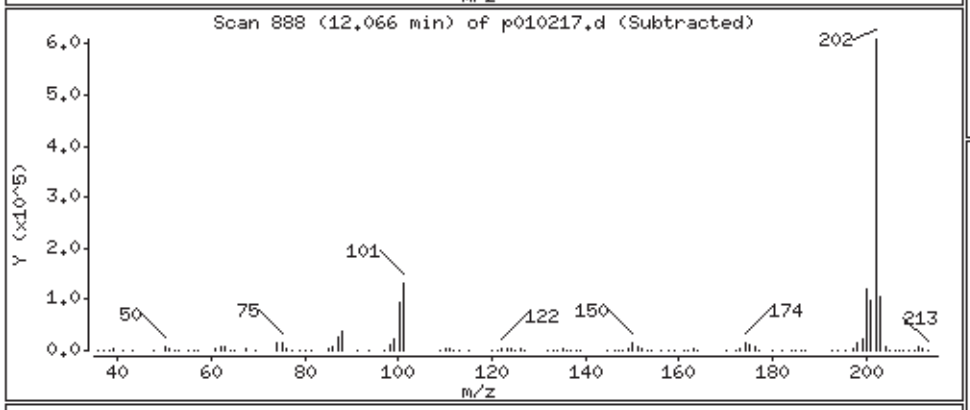
Column phase: DB-5.625

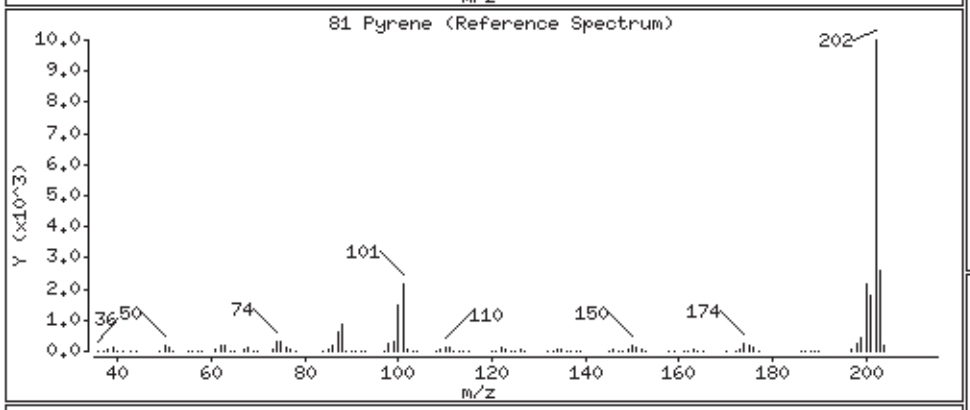
Column diameter: 0.25

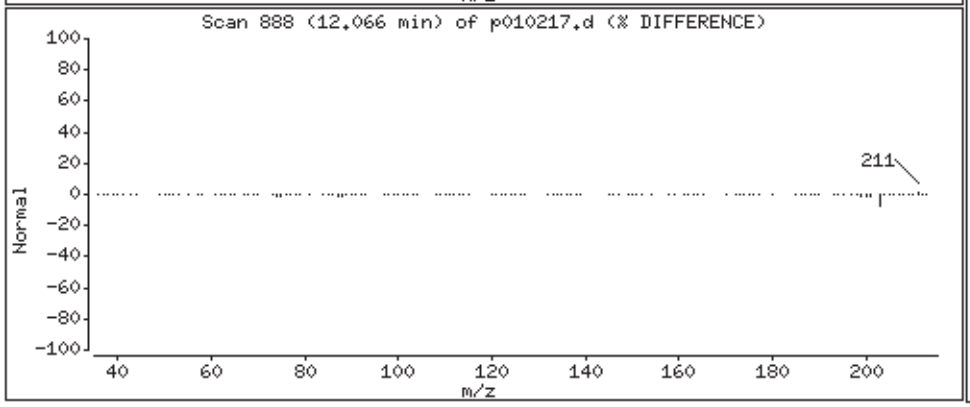
81 Pyrene

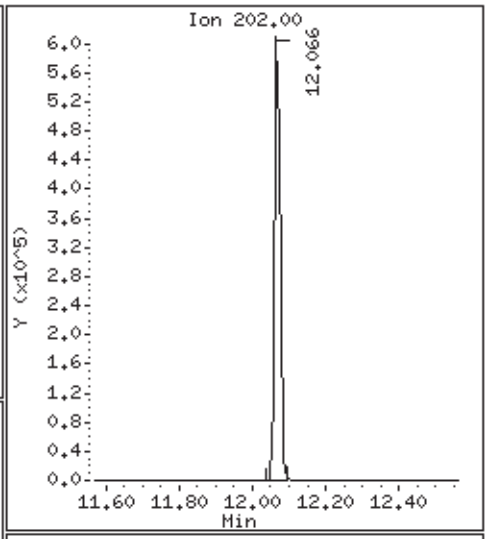
Concentration: 39.11 ug

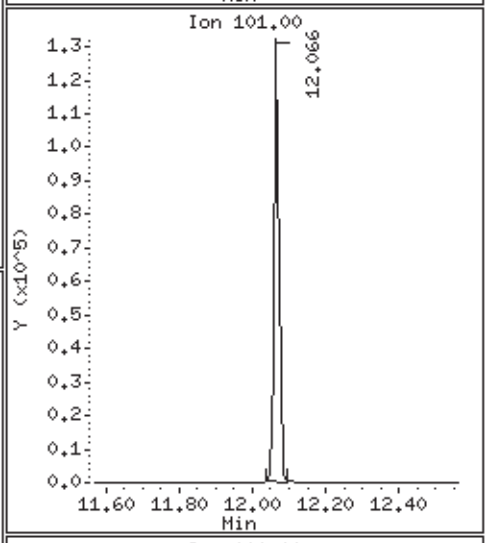


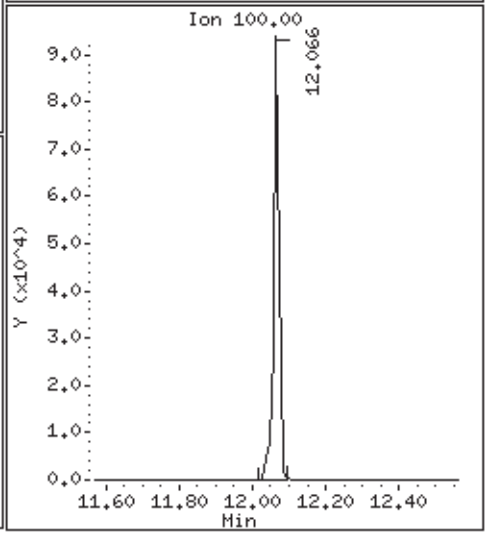












TO-13A ASE Extraction Logbook **@Air Toxics Ltd.** **Logbook#: 1606**

Date Extracted: 12/26/07
Set-up By: UP
Spiked By: K
Spike Date: 12/26/07

Spike Witness: UP
Date Witnessed: 12/26/07
☑ *Proj.Pr./COC checked* ☑ *Spike ID Verified*
☑ *Spike Amt. Verified* ☐ *Equipment checked*

Solvent: Dichloromethane
Solvent Lot #: CU 671
Concentrated By: K
Date Concentrated: 12/27/07

ATL Sample ID #	Client I.D. #	Car. #	PUF / XAD/Filter Lot #	Surr. ID/Conc. (µg/mL)*	Surr. Amt. (mL)	LCS ID/Conc. (µg/mL)	LCS Amt. (mL)	Fin. Vol. (mL)
0712491-01A	A-01 (interior-westend)	2	P070910 / X071115	1316-72-100 VS	0.5	NA	NA	1.0
-02A	A-02 (interior-eastend)	3						
-03A	A-03 (exterior)	1						
BIK	NA	2						
LCS	NA	3				1316-65-100	0.5	

UP 12/26/07

Pre-Spiked Surrogate	Surr. ID/Conc. (µg/mL)	Surr. Amt (µL)	Spiked By	Spiked Date
Benzo(a)pyrene-d_{12} Fluoranthene-d_{10}	NA			

Water Bath Temperature °C	Initial Temp °C	Final Temp °C
	70	70

Comments:

**TO-13A(mod) Surrogate Compounds: 2-Fluorophenol, Phenol-d_5, Nitrobenzene-d_5, 2,4,6-Tribromophenol, Fluorene-d_{10} and Pyrene-d_{10}*
**PAH Surrogate Compounds: Fluorene-d_{10} and Pyrene-d_{10}*

Signed: [signature] Date: 12/26/07

Revised: 01/04

Instrument P Run Log

@Air Toxics Ltd.

Logbook#: 1593

Method: TO13A/SIM curve

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base peak, 100.00% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.35
68	Less than 2.00% of mass 69	0.76 (1.72)1
69	Less than 99.90% of mass 198	44.12
70	Less than 2.00% of mass 69	0.26 (0.59)1
127	40.00 – 60.00% of mass 198	52.74
197	Less than 1.00% of mass 198	0.36
199	5.00 - 9.00% of mass 198	6.39
275	10.00 - 30.00% of mass 198	20.33
365	Greater than 1.00% of mass 198	~~9.60~~ 2.33
441	Present, but less than mass 443	~~63.34~~ 9.60
442	40.00 - 100.00% of mass 198	up 1/2/08 ~~72.23~~ 63.34
443	17.00 - 23.00% of mass 442	12.23 (19.31)2

1 - value in parenthesis is % mass 69 2 - value in parenthesis is % mass 442

Instrument ID: MSD-P
DFTPP File ID: P010202
DFTPP Injection Date: 1/2/08
DFTPP Injection Time 10:38
* 1500-93-1000 TO13 IS

#1500-93-100 IS	Area Counts
1,4-Dichlorobenzene-d_4: NA	275393 *
Naphthalene-d_8: 248994	642799 *
Acenaphthene-d_{10}: 126268	331958 *
Phenanthrene-d_{10}: 198006	514512 *
Chrysene-d_{12}: 166910	503378 *
Perylene-d_{12}: 101561	377169 *

Injection Volume: 1.0 µL

	use	File #	Sample / Client Name	Vial #	Dilution Factor	Date Analyzed	Time Analyzed	Initials	Comments
1	✓	P010201	$MeCl_2$ Wash	1	1.00	1/2/08	10:21	up	front-end maintenance
2	✓	02	1500-76A-50 tune	2			10:38		0.1 breakdown
3	✓	03	1500-101-50 ccv	3			11:00		*
4	✓	04	$MeCl_2$ Blank	4			11:41		
5	✓	05	1500-105-0.1	5			12:10		
6	✓	06	-0.5	6			12:39		
7	✓	07	-1.0	7			13:08		
8	✓	08	-2.0	8			13:38		
9	✓	09	-4.0	9			14:07		
10	✓	10	-5.0	10			14:36		
11	✓	11	-10	11			15:06		
12	✓	12	-20	12			15:35		
13	✓	13	-40	13			16:04		
14	✓	14	1500-80-4.0	14			16:34		LCS
15	✓	15	$MeCl_2$ Blank	15			17:04		*
16	✓	16	0712491-BLK	16			17:33		*
17	✓	17	-LCS	17			18:03		*
18	✓	18	-01A	18			18:32		*
19	✓	19	-01AA	19			19:02		*
20	✓	20	-02A	20			19:31		*
21	✓	21	-03A	21			20:00		*
22	✓	22	0712518B-02A	22	1.33		20:30		75:100 *
23	✓	23	-03A	23	5.00		20:59		20:100 *

Calculation Check:

ng of compound = $\frac{Area_{sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(332728)}{(272608)} \times \frac{(40.0)}{(1.31083)} = 37.24$

File ID: P010217
Compound: Phenol
Initials: up

Signed

1/3/08
Date

Air Toxics Ltd.

Data file : /var/chem/msdp.i/p21dec07.b/p122102.d
Lab Smp Id: DFTPP 50ng Client Smp ID: DFTPP 50ng
Inj Date : 21-DEC-2007 10:04
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-76A-50;TUNE
Misc Info :
Comment :
Method : /var/chem/msdp.i/p21dec07.b/dftpp.m
Meth Date : 21-Dec-2007 10:03 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug)	TARGET RANGE	RATIO
RT	EXP RT	(REL RT)	MASS	RESPONSE				
1 dftpp						CAS #:		
5.710	5.832	(0.000)	198	68301			100.00- 100.00	100.00
5.710	5.832	(0.000)	51	34503			30.00- 60.00	50.52
5.710	5.832	(0.000)	68	419			0.00- 2.00	1.43
5.710	5.832	(0.000)	69	29353			0.00- 99.90	42.98
5.710	5.832	(0.000)	70	256			0.00- 2.00	0.87
5.710	5.832	(0.000)	127	33710			40.00- 60.00	49.36
5.710	5.832	(0.000)	197	248			0.00- 1.00	0.36
5.710	5.832	(0.000)	199	4741			5.00- 9.00	6.94
5.710	5.832	(0.000)	275	13650			10.00- 30.00	19.99
5.710	5.832	(0.000)	365	1698			1.00- 0.00	2.49
5.710	5.832	(0.000)	441	6953			0.01- 99.99	79.71
5.710	5.832	(0.000)	442	46295			40.00- 100.00	67.78
5.710	5.832	(0.000)	443	8723			17.00- 23.00	18.84

Data File: /var/chem/msdp.i/p21dec07.b/p122102.d

Date : 21-DEC-2007 10:04

Client ID: DFTPP 50ng

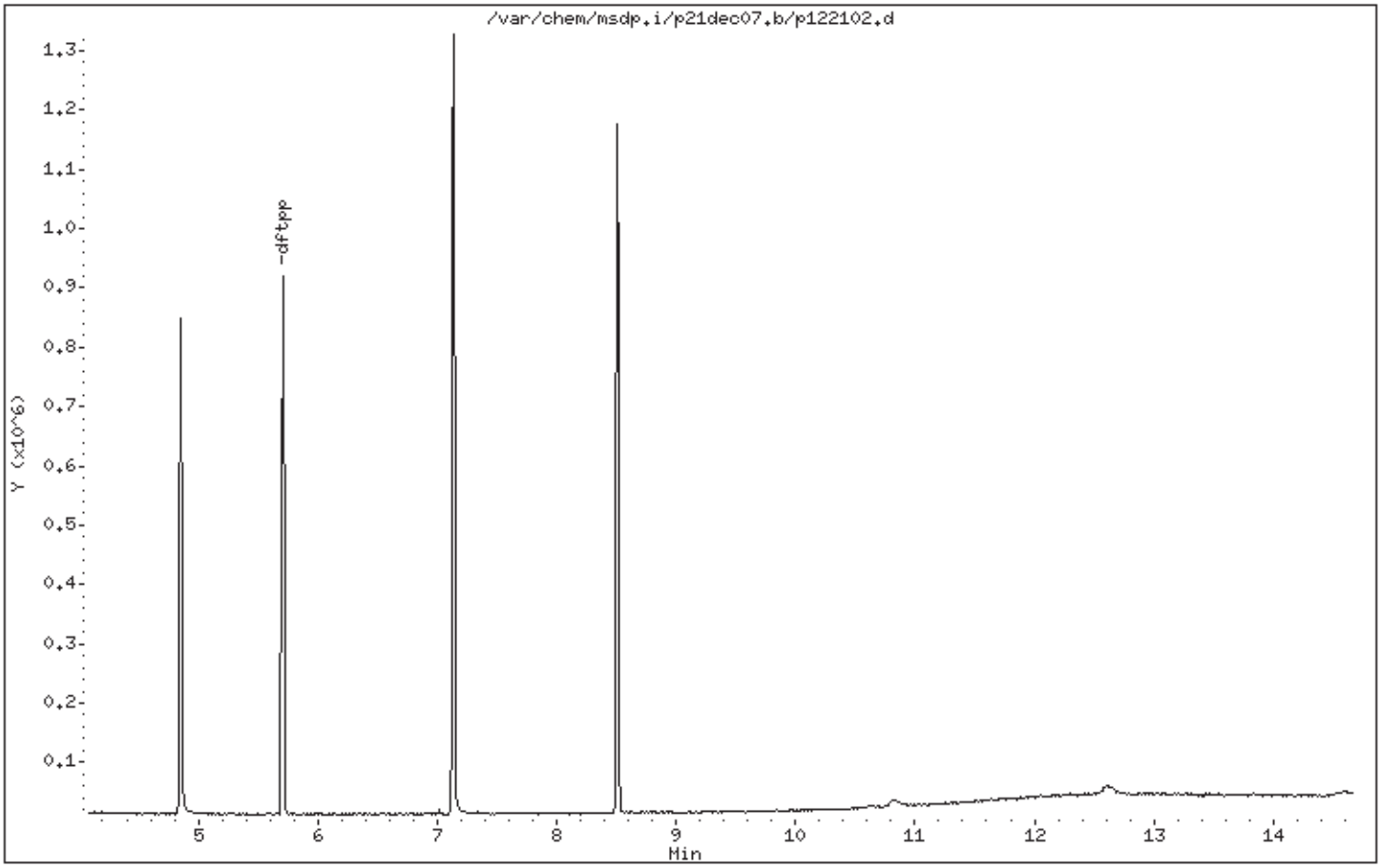
Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase:

Column diameter: 0.25



Data File: /var/chem/msdp.i/p21dec07.b/p122102.d

Date : 21-DEC-2007 10:04

Client ID: DFTPP 50ng

Instrument: msdp.i

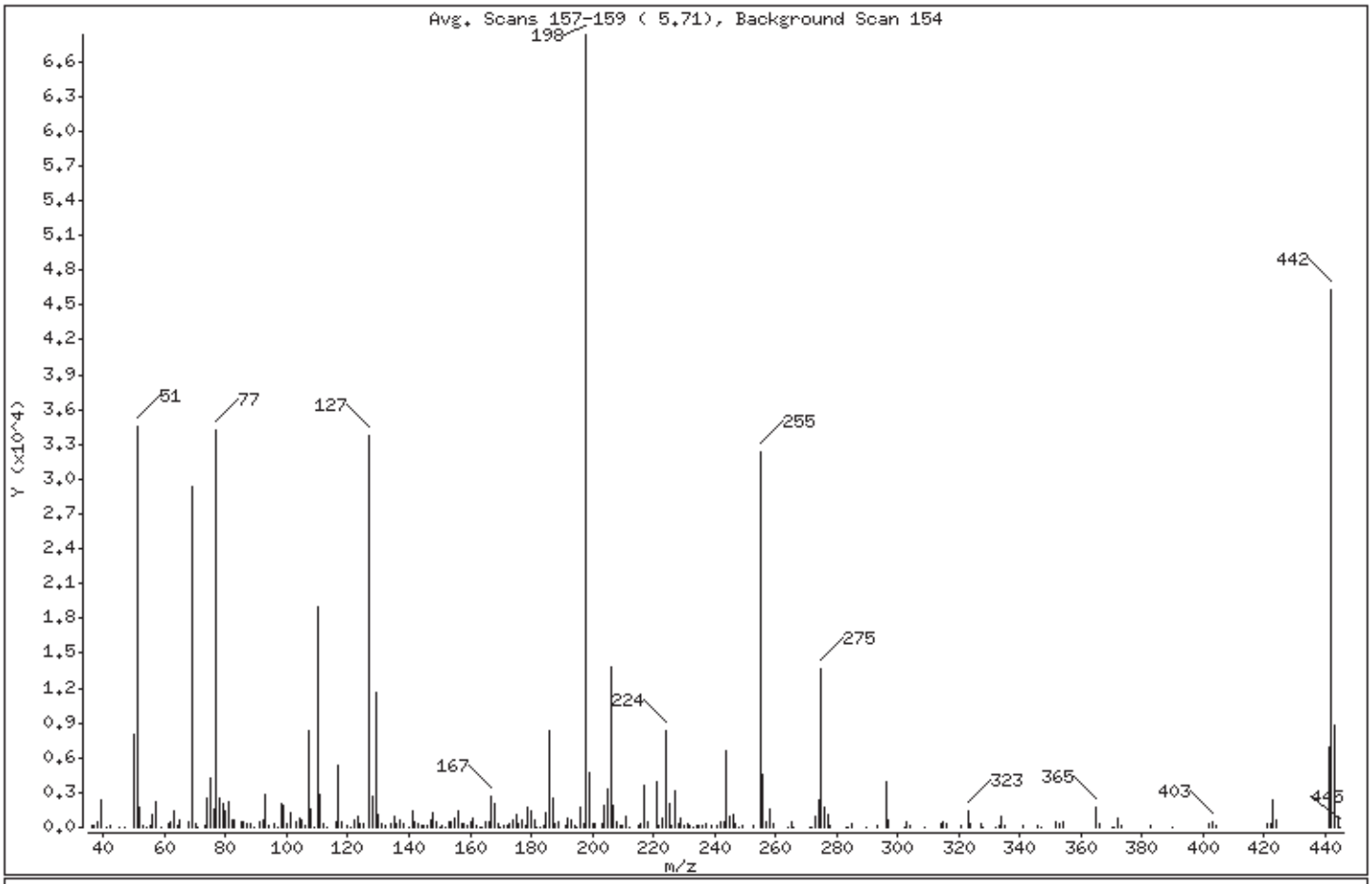
Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase:

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.52
68	Less than 2.00% of mass 69	0.61 (1.43)
69	Less than 99.90% of mass 198	42.98
70	Less than 2.00% of mass 69	0.37 (0.87)
127	40.00 - 60.00% of mass 198	49.36
197	Less than 1.00% of mass 198	0.36
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	19.99
365	Greater than 1.00% of mass 198	2.49
441	Present, but less than mass 443	10.18
442	40.00 - 100.00% of mass 198	67.78
443	17.00 - 23.00% of mass 442	12.77 (18.84)

Date : 21-DEC-2007 10:04

Client ID: DFTPP 50ng Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase: Column diameter: 0.25

Data File: p122102.d
Spectrum: Avg. Scans 157-159 (5.71), Background Scan 154
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	80	116.00	450	183.00	55	258.00	1594
37.00	131	117.00	5288	184.00	101	259.00	253
38.00	414	118.00	409	185.00	1207	264.00	56
39.00	2404	120.00	89	186.00	8245	265.00	511
41.00	62	121.00	53	187.00	2491	266.00	54
42.00	232	122.00	552	188.00	307	271.00	50
45.00	76	123.00	933	189.00	429	272.00	60
47.00	42	124.00	383	191.00	235	273.00	926
50.00	8039	125.00	359	192.00	789	274.00	2388
51.00	34496	127.00	33704	193.00	686	275.00	13650
52.00	1678	128.00	2615	194.00	177	276.00	1740
53.00	134	129.00	11685	195.00	64	277.00	1160
54.00	62	130.00	1105	196.00	1803	278.00	208
55.00	84	131.00	281	197.00	248	283.00	71
56.00	1112	132.00	176	198.00	68296	284.00	67
57.00	2204	134.00	278	199.00	4741	285.00	262
59.00	53	135.00	957	200.00	253	290.00	74
61.00	331	136.00	286	201.00	370	293.00	134
62.00	406	137.00	589	203.00	361	296.00	3892
63.00	1335	138.00	243	204.00	1816	297.00	645
64.00	143	140.00	58	205.00	3348	302.00	54
65.00	691	141.00	1384	206.00	13873	303.00	463
68.00	419	142.00	532	207.00	1933	304.00	87
69.00	29352	143.00	380	208.00	410	309.00	50
70.00	256	144.00	141	209.00	164	314.00	244
71.00	54	145.00	90	210.00	138	315.00	481
73.00	121	146.00	216	211.00	893	316.00	260
74.00	2505	147.00	637	212.00	77	321.00	101
75.00	4301	148.00	1282	215.00	133	323.00	1490
76.00	1565	149.00	419	216.00	357	324.00	253
77.00	34280	150.00	66	217.00	3546	327.00	278
78.00	2441	151.00	219	218.00	540	328.00	55
79.00	2007	152.00	65	221.00	3950	332.00	62
80.00	1479	153.00	410	222.00	94	333.00	119
81.00	2239	154.00	416	223.00	771	334.00	907

Date : 21-DEC-2007 10:04

Client ID: DFTPP 50ng Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase: Column diameter: 0.25

Data File: p122102.d
Spectrum: Avg. Scans 157-159 (5.71), Background Scan 154
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	674	155.00	806	224.00	8374	335.00	134
83.00	683	156.00	1384	225.00	2009	341.00	138
85.00	460	157.00	291	226.00	145	346.00	221
86.00	487	158.00	270	227.00	3197	347.00	60
87.00	259	159.00	150	228.00	382	352.00	438
88.00	260	160.00	414	229.00	727	353.00	335
89.00	61	161.00	784	230.00	82	354.00	463
91.00	456	162.00	156	231.00	351	365.00	1698
92.00	608	163.00	59	232.00	80	366.00	298
93.00	2888	164.00	69	233.00	57	370.00	50
94.00	215	165.00	534	234.00	124	371.00	61
96.00	280	166.00	443	235.00	165	372.00	806
97.00	60	167.00	2691	236.00	162	373.00	151
98.00	2105	168.00	1969	237.00	262	383.00	193
99.00	1948	169.00	290	239.00	90	390.00	57
100.00	254	170.00	65	241.00	163	402.00	308
101.00	1178	171.00	119	242.00	408	403.00	458
103.00	461	172.00	211	243.00	479	404.00	149
104.00	752	173.00	313	244.00	6600	421.00	294
105.00	706	174.00	623	245.00	932	422.00	299
106.00	222	175.00	1069	246.00	1175	423.00	2337
107.00	8397	176.00	361	247.00	264	424.00	609
108.00	1547	177.00	559	248.00	56	441.00	6953
109.00	67	178.00	140	249.00	158	442.00	46288
110.00	18968	179.00	1684	253.00	147	443.00	8723
111.00	2757	180.00	1438	255.00	32352	444.00	852
112.00	296	181.00	675	256.00	4559	445.00	58
113.00	54	182.00	55	257.00	401		

Air Toxics Ltd.

Data file : /var/chem/msdp.i/p02jan08.b/p010202.d
Lab Smp Id: DFTPP 50ng Client Smp ID: DFTPP 50ng
Inj Date : 02-JAN-2008 10:38
Operator : LP Inst ID: msdp.i
Smp Info : ;1500-76A-50;TUNE
Misc Info :
Comment :
Method : /var/chem/msdp.i/p02jan08.b/dftpp.m
Meth Date : 02-Jan-2008 10:37 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(ug/L)	(ug)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.679	5.832	(0.000)	198	63136			100.00- 100.00	100.00
5.679	5.832	(0.000)	51	34313			30.00- 60.00	54.35
5.679	5.832	(0.000)	68	478			0.00- 2.00	1.72
5.679	5.832	(0.000)	69	27858			0.00- 99.90	44.12
5.679	5.832	(0.000)	70	164			0.00- 2.00	0.59
5.679	5.832	(0.000)	127	33298			40.00- 60.00	52.74
5.679	5.832	(0.000)	197	229			0.00- 1.00	0.36
5.679	5.832	(0.000)	199	4033			5.00- 9.00	6.39
5.679	5.832	(0.000)	275	12835			10.00- 30.00	20.33
5.679	5.832	(0.000)	365	1474			1.00- 0.00	2.33
5.679	5.832	(0.000)	441	6060			0.01- 99.99	78.47
5.679	5.832	(0.000)	442	39988			40.00- 100.00	63.34
5.679	5.832	(0.000)	443	7723			17.00- 23.00	19.31

Data File: /var/chem/msdp.i/p02jan08.b/p010202.d

Date : 02-JAN-2008 10:38

Client ID: DFTPP 50ng

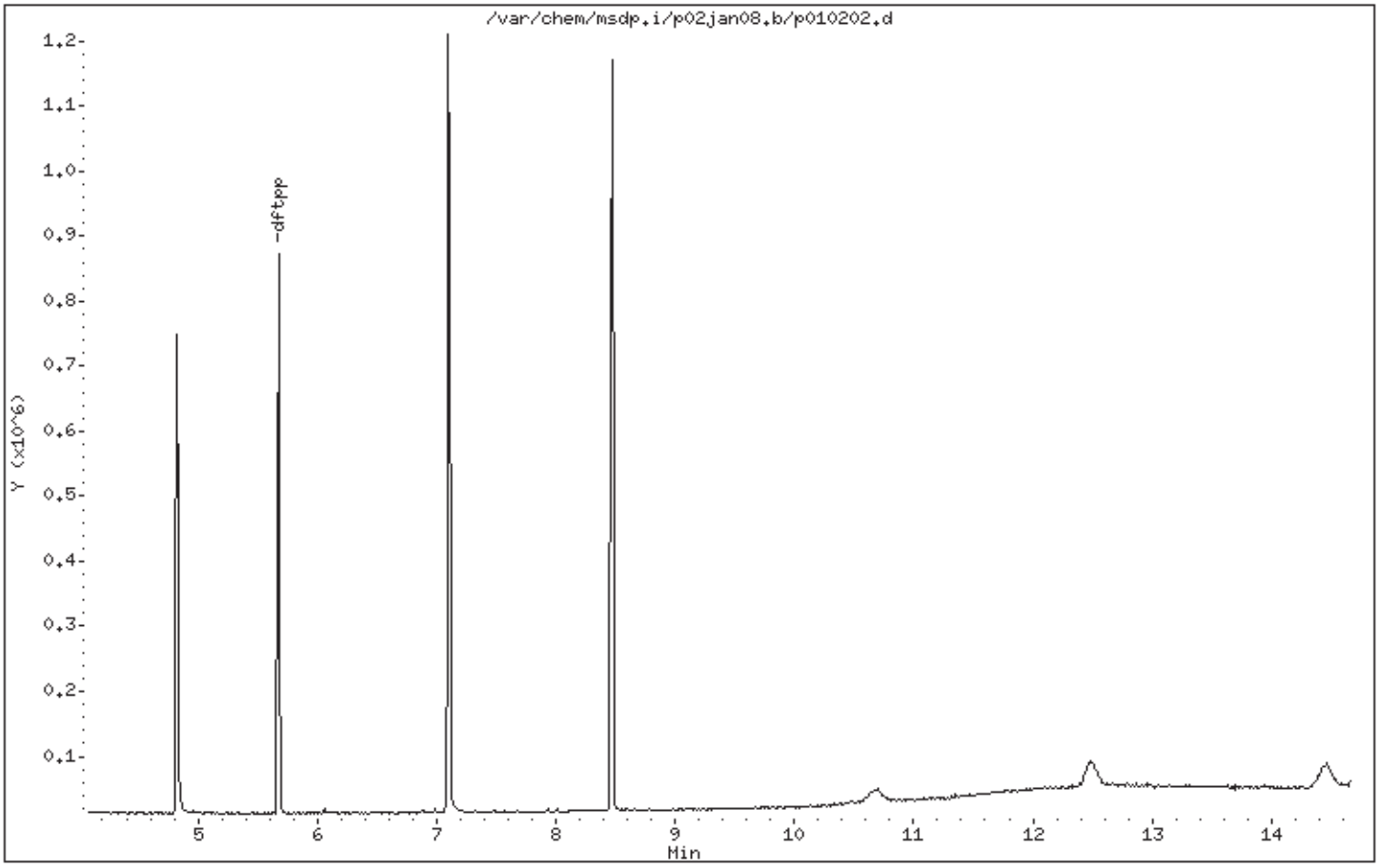
Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase:

Column diameter: 0.25



Data File: /var/chem/msdp.i/p02jan08.b/p010202.d

Date : 02-JAN-2008 10:38

Client ID: DFTPP 50ng

Instrument: msdp.i

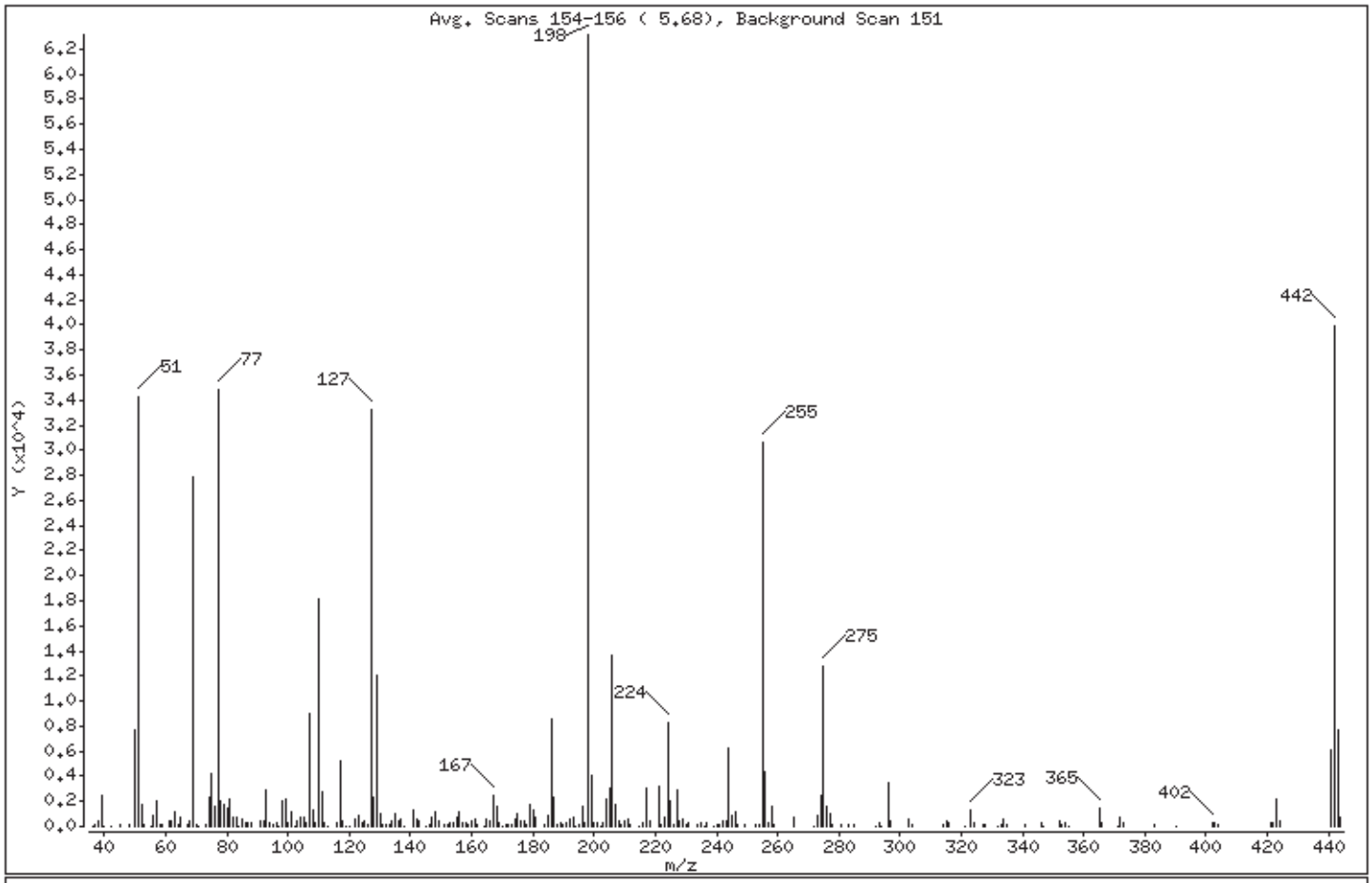
Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase:

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.35
68	Less than 2.00% of mass 69	0.76 (1.72)
69	Less than 99.90% of mass 198	44.12
70	Less than 2.00% of mass 69	0.26 (0.59)
127	40.00 - 60.00% of mass 198	52.74
197	Less than 1.00% of mass 198	0.36
199	5.00 - 9.00% of mass 198	6.39
275	10.00 - 30.00% of mass 198	20.33
365	Greater than 1.00% of mass 198	2.33
441	Present, but less than mass 443	9.60
442	40.00 - 100.00% of mass 198	63.34
443	17.00 - 23.00% of mass 442	12.23 (19.31)

Date : 02-JAN-2008 10:38

Client ID: DFTPP 50ng Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase: Column diameter: 0.25

Data File: p010202.d
Spectrum: Avg. Scans 154-156 (5.68), Background Scan 151
Location of Maximum: 198.00
Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	55	110.00	18200	180.00	1279	255.00	30616
37.00	156	111.00	2739	181.00	673	256.00	4370
38.00	424	112.00	312	184.00	128	257.00	249
39.00	2417	113.00	52	185.00	911	258.00	1600
40.00	21	116.00	357	186.00	8510	259.00	196
42.00	33	117.00	5222	187.00	2267	265.00	672
45.00	90	118.00	486	188.00	153	272.00	64
48.00	90	119.00	52	189.00	334	273.00	918
50.00	7671	120.00	59	190.00	74	274.00	2468
51.00	34312	122.00	548	191.00	224	275.00	12835
52.00	1713	123.00	852	192.00	609	276.00	1574
53.00	83	124.00	362	193.00	778	277.00	972
55.00	65	125.00	427	194.00	55	278.00	94
56.00	874	126.00	156	195.00	79	281.00	134
57.00	2050	127.00	33296	196.00	1641	283.00	80
58.00	100	128.00	2389	197.00	229	285.00	153
59.00	83	129.00	12091	198.00	63136	292.00	62
61.00	414	130.00	991	199.00	4033	293.00	238
62.00	481	131.00	196	200.00	262	294.00	61
63.00	1196	132.00	75	201.00	303	296.00	3513
64.00	132	133.00	113	202.00	59	297.00	445
65.00	746	134.00	395	203.00	269	303.00	525
67.00	107	135.00	1033	204.00	2139	304.00	99
68.00	478	136.00	448	205.00	2991	314.00	141
69.00	27856	137.00	561	206.00	13673	315.00	388
70.00	164	138.00	55	207.00	1689	316.00	232
71.00	51	141.00	1362	208.00	442	321.00	51
73.00	162	142.00	538	209.00	95	323.00	1316
74.00	2374	143.00	371	210.00	381	324.00	249
75.00	4168	145.00	60	211.00	565	327.00	166
76.00	1651	146.00	129	212.00	149	328.00	79
77.00	34768	147.00	714	215.00	52	332.00	52
78.00	2097	148.00	1213	216.00	246	333.00	161
79.00	1813	149.00	414	217.00	3034	334.00	605
80.00	1452	151.00	151	218.00	479	335.00	147

Date : 02-JAN-2008 10:38

Client ID: DFTPP 50ng Instrument: msdp.i

Sample Info: ;1500-76A-50;TUNE

Operator: LP

Column phase: Column diameter: 0.25

Data File: p010202.d
Spectrum: Avg. Scans 154-156 (5.68), Background Scan 151
Location of Maximum: 198.00
Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2201	152.00	77	221.00	3240	341.00	202
82.00	679	153.00	349	222.00	178	346.00	237
83.00	743	154.00	361	223.00	720	347.00	65
84.00	59	155.00	671	224.00	8261	352.00	380
85.00	542	156.00	1207	225.00	2081	353.00	170
86.00	362	157.00	239	226.00	149	354.00	351
87.00	227	158.00	245	227.00	2922	355.00	50
88.00	298	159.00	213	228.00	453	365.00	1474
91.00	428	160.00	384	229.00	625	366.00	284
92.00	483	161.00	586	230.00	84	371.00	64
93.00	2935	162.00	88	231.00	271	372.00	684
94.00	226	164.00	68	234.00	181	373.00	227
95.00	183	165.00	512	235.00	261	383.00	173
96.00	249	166.00	501	236.00	72	390.00	66
97.00	67	167.00	2499	237.00	222	402.00	285
98.00	2045	168.00	1563	239.00	72	403.00	251
99.00	2139	169.00	278	240.00	91	404.00	126
100.00	285	170.00	67	241.00	178	421.00	319
101.00	1147	171.00	125	242.00	400	422.00	303
102.00	51	172.00	177	243.00	370	423.00	2134
103.00	403	173.00	207	244.00	6268	424.00	454
104.00	667	174.00	632	245.00	860	441.00	6060
105.00	744	175.00	1002	246.00	1220	442.00	39984
106.00	219	176.00	368	247.00	198	443.00	7723
107.00	8991	177.00	381	249.00	215	444.00	761
108.00	1362	178.00	176	253.00	99		
109.00	236	179.00	1742	254.00	171		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: Tetra Tech EM, Inc.
ATTENTION: Ms. Jessica Vickers
FAX #:
FROM: Sample Receiving
Workorder #: 0712491
# of pages (Including Cover): 1

1/16/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

The credit application package for these samples has not yet been received. Please complete and return the forms so that the account may be activated and the data released.

Your prompt response is appreciated.

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

0263

Project Manager Jessica Vickers
Collected by: (Print and Sign) Brian Coit
Company Tetra Tech Email jessica.vickers@ttemi.com
Address 1955 Evergreen Blvd, Ste 300 (Bldg 200) City Duluth State GA Zip 30096
Phone (678) 775-3104 Fax (678) 775-3136

Project Info:
P.O. #
Project #
Project Name Tetra Tech - Circle Environmental #1

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	A-01 (interior - west end)		12-19-07	0742-1606	SVOCs - 2,569 Liters	NA	NA		
02A	A-02 (interior - east end)		12-19-07	0751-1615	SVOCs - 2,616 Liters	NA	NA		
03A	A-03 (exterior)		12-19-07	0801-1622	SVOCs - 2,509 Liters	NA	NA		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Brian S. Coit	12-20-07/1600	FED EX	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
			12/22/07 1135
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Felix		5.7°	good	Yes / No / None	0712491

Form 1258 rev.11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0712491

Client

Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

Sales Rep: ANS

Phone

678-775-3080

Fax

Date Promised: 01/10/08
Date Completed: 1/9/08
Date Received: 12/22/07
PO#:
Project#: Tetra Tech-Circle Environmental #1

Total $: $ 954.97
Logged By: MW

Fraction	Sample #	Analysis	Collected	Amount$
01A	A-01 (interior-west end)	Modified TO-13A	12/19/2007	$250.00
01AA	A-01 (interior-west end) Lab Duplicate	Modified TO-13A	12/19/2007	$0.00
02A	A-02 (interior-east end)	Modified TO-13A	12/19/2007	$250.00
03A	A-03 (exterior)	Modified TO-13A	12/19/2007	$250.00
04A	Lab Blank	Modified TO-13A	NA	$0.00
05A	LCS	Modified TO-13A	NA	$0.00

Misc. Charges	PUF/XAD Cartridge-Low Volume (3) @ $40.00 each.	$120.00
	Fuel Surcharge (3) @ $2.00 each.	$6.00
	Shipping Charges (Fedex ON, 12/14/07)	$78.97

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Circle Environmental #1/11182

BILL TO: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

Analysis Code: TO-13A

TERMS:

Reporting Method: Modified TO-13A (rev. 2001)

Sample Discrepancy Report

Identification

Initiated By: MW **Date:** 12/22 **Discrepancy Type:** (circle all that apply) (I.) II. III.

Workorder(s) affected: 0712491 **Sample(s) affected:** All

I. Sample Receipt Discrepancies

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

Narration Not Required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure.
- ☐ No brass cap on canister.
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm.
- ☐ Sample date error/missing on COC but noted on sample tag (circle one).

Narration Required:

- ☐ COC improperly relinquished / received.
- ☐ Sample tags / can numbers do not match the COC.
- ☐ Samples received at wrong temperature (up to 10°C); ice / blue ice (circle one) was present. A temp. blank was / was not present (circle one).
- ☐ Custody Seal on the outside of the container was broken / improperly placed (circle one).
- ☐ Other (describe below).

☒ Other

Describe the Discrepancy: location part of ID not on tags - ok, don't narrate

II. Sample Receipt/Screening Discrepancies requiring CSR notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

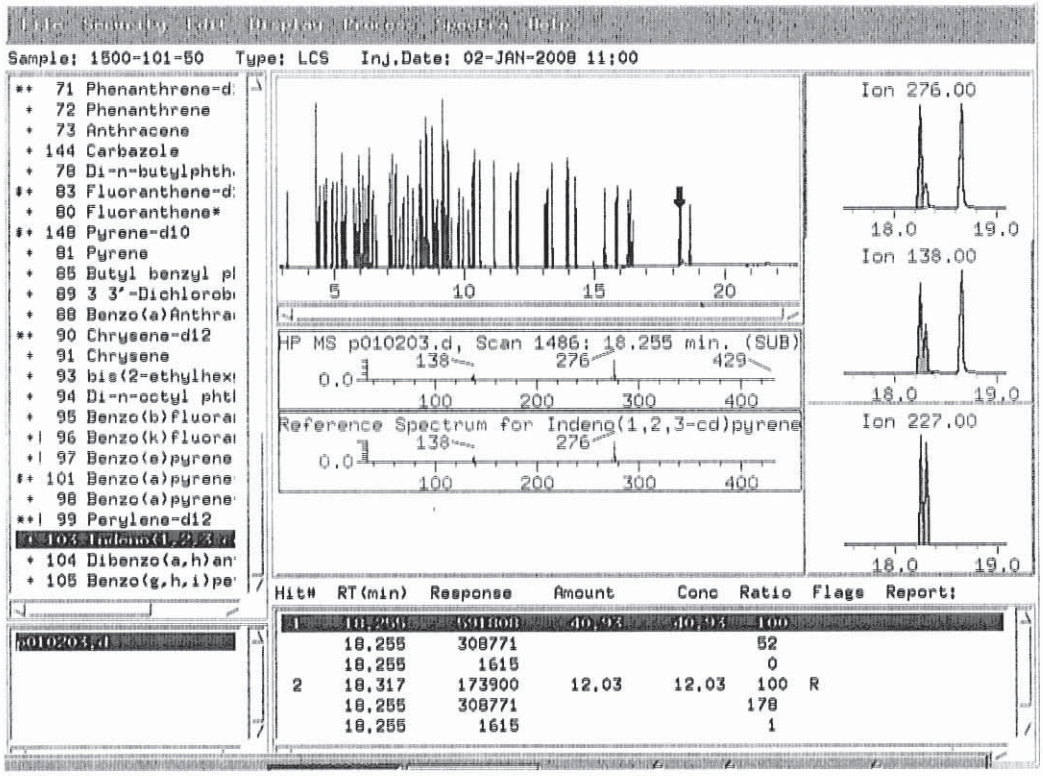
If Section II. is filled out CSR must be notified within 24 hrs of initiation

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☐ Number of samples on the COC does not match the number of samples that were received.
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

Initials: _____ (if not the original initiator) **Date:** _____ ☐ **CSR Notified** (see section below)

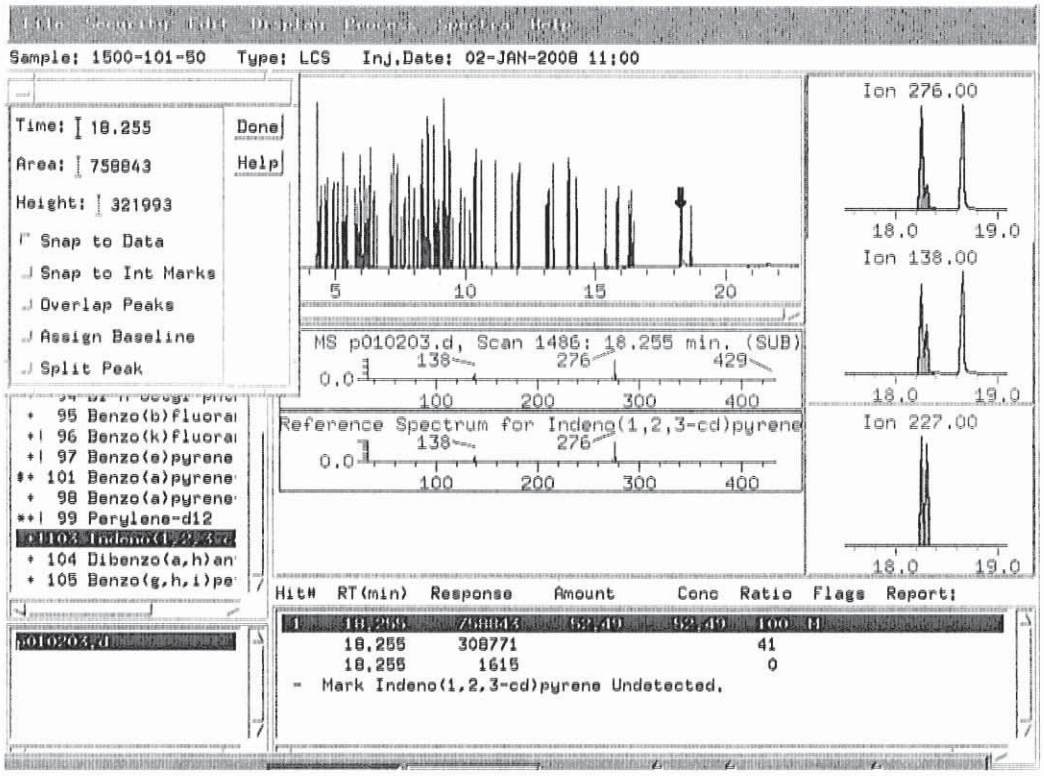
Describe the Discrepancy: _____

Other Records



before peak is split

GP 1/3/07



after integration of peak

cp 1/3/08

L: 1/3/08

Compound Listing

Modified TO-13A (rev. 2001)

CAS Number	Compound	Detection Limit uG	Type
108-95-2	Phenol	5.0	
111-44-4	bis(2-Chloroethyl) Ether	1.0	
95-95-4	2,4,5-Trichlorophenol	5.0	
91-58-7	2-Chloronaphthalene	1.0	
88-74-4	2-Nitroaniline	10	
131-11-3	Dimethylphthalate	5.0	
208-96-8	Acenaphthylene	1.0	
606-20-2	2,6-Dinitrotoluene	5.0	
99-09-2	3-Nitroaniline	10	
83-32-9	Acenaphthene	1.0	
51-28-5	2,4-Dinitrophenol	20	
100-02-7	4-Nitrophenol	20	
121-14-2	2,4-Dinitrotoluene	5.0	
132-64-9	Dibenzofuran	1.0	
84-66-2	Diethylphthalate	5.0	
86-73-7	Fluorene	1.0	
7005-72-3	4-Chlorophenyl-phenyl Ether	1.0	
100-01-6	4-Nitroaniline	10	
534-52-1	4,6-Dinitro-2-methylphenol	10	
86-30-6	N-Nitrosodiphenylamine	10	
101-55-3	4-Bromophenyl-phenyl Ether	1.0	
118-74-1	Hexachlorobenzene	1.0	
87-86-5	Pentachlorophenol	20	
85-01-8	Phenanthrene	1.0	
120-12-7	Anthracene	1.0	
84-74-2	di-n-Butylphthalate	5.0	
206-44-0	Fluoranthene	1.0	
129-00-0	Pyrene	1.0	
85-68-7	Butylbenzylphthalate	5.0	
91-94-1	3,3'-Dichlorobenzidine	20	
218-01-9	Chrysene	1.0	
56-55-3	Benzo(a)anthracene	1.0	
117-81-7	bis(2-Ethylhexyl)phthalate	5.0	
117-84-0	Di-n-Octylphthalate	5.0	
205-99-2	Benzo(b)fluoranthene	1.0	
207-08-9	Benzo(k)fluoranthene	1.0	
50-32-8	Benzo(a)pyrene	1.0	
193-39-5	Indeno(1,2,3-c,d)pyrene	1.0	
53-70-3	Dibenz(a,h)anthracene	1.0	
191-24-2	Benzo(g,h,i)perylene	1.0	
367-12-4	2-Fluorophenol		
4165-62-2	Phenol-d5		
4165-60-0	Nitrobenzene-d5		
118-79-6	2,4,6-Tribromophenol		
81103-79-9	Fluorene-d10		
1718-52-1	Pyrene-d10		

Compound Listing

Modified TO-13A (rev. 2001)

CAS Number	Compound	Detection Limit uG	Type
95-57-8	2-Chlorophenol	5.0	
541-73-1	1,3-Dichlorobenzene	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	
95-48-7	2-Methylphenol (o-Cresol)	5.0	
108-60-1	bis(2-Chloroisopropyl) Ether	1.0	
621-64-7	N-Nitroso-di-n-propylamine	1.0	
106-44-5	4-Methylphenol/3-Methylphenol	5.0	
67-72-1	Hexachloroethane	1.0	
98-95-3	Nitrobenzene	1.0	
78-59-1	Isophorone	1.0	
88-75-5	2-Nitrophenol	5.0	
105-67-9	2,4-Dimethylphenol	5.0	
65-85-0	Benzoic Acid	30	
111-91-1	bis(2-Chloroethoxy) Methane	1.0	
120-83-2	2,4-Dichlorophenol	5.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	
91-20-3	Naphthalene	1.0	
106-47-8	4-Chloroaniline	10	
87-68-3	Hexachlorobutadiene	1.0	
59-50-7	4-Chloro-3-methylphenol	5.0	
91-57-6	2-Methylnaphthalene	1.0	
77-47-4	Hexachlorocyclopentadiene	20	
88-06-2	2,4,6-Trichlorophenol	5.0	

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0712491

A	R	T	M	Q	
☐	☑	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
	☑	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
	☑	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
☐	☑	☐	☑	☐	Corrective Action issued - #
☐	☑	☐	☑	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* — ***CIRCLE (YES / NO)***

☐	☑	☐	☑	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☐	☑	☐	☑	☐	Hold time is met for all samples
	☑	☐	☑	☐	Appropriate data qualifier flags are applied
	☑	☐	☑	☐	Manual integrations for samples and QC are properly documented
☐	☑	☐		☐	Samples analyzed within the project or method specific clock
	☑	☐			Retention times have been verified
☐	☑	☐		☐	Appropriate ICAL(s) included
	☑	☐	☑	☐	At least one result per sample is verified against the target quant sheets/raw data

☐	☑	☐		☐ Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☐	☑	☐		Correct amount of sample analyzed (i.e. sample not over-diluted)
	☑	☐		Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	☑	☐		TICs resemble reference spectra
	☑	☐		TICs between duplicate samples are consistent
☐	☑	☐	☑	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☑		☑	Special units for all samples in the final report are correctly calculated
	☑	☐	☑	Manually entered results checked (i.e. special CCV compounds)
	☑	☐		TPH/NMOC (verify calculations and correct reference compound used)
	☑			Chain of Custody scanned correctly
		☐		Verify sample id's vs. chain of custody
☐	☑			Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☐	☑			Final pressure consistent with canister size (6L vs. 1L)
☐	☑			Verify receipt pressures against logbook and Target
☐	☑			Verify canister ID #'s
	☑			Extra printed copies are provided per client profile
	☑			Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☑	☐		☐ Client LUMEN report reviewed for accuracy and completeness

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

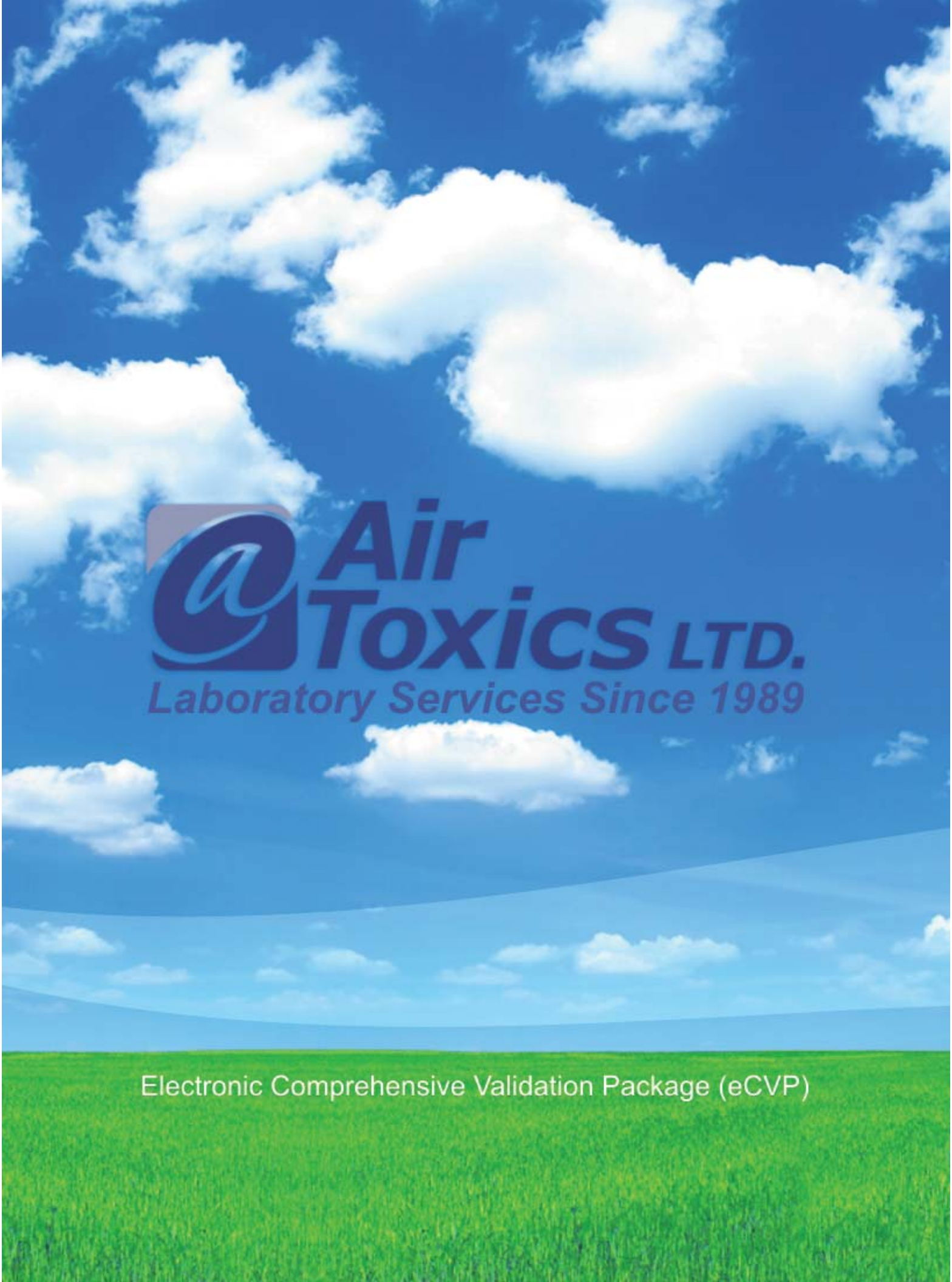
A/R: 1) all qc's met criteria
2) duplicate: 01AA, RPD < 25%.
3) reported in units of ug/m³ and ppbv.
4) client provided sampling volumes on coc. Used 2700 c for all qc's.
5) RL for benzoic acid raised to 40ug/sample and 10ug/sample for

M/Q: diethylphthalate due to TO15A ASL MDL.

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
	R: CP 1/8/08	1/8/08	
	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 08/29/05
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable


Air
Toxics LTD.
Laboratory Services Since 1989
Electronic Comprehensive Validation Package (eCVP)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0712517

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	56
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	57	64
b. Surrogate Recover Summary Form (If Applicable)	65	65
c. Internal Standard Summary Form (If Applicable)	66	66
d. Duplicate Results Summary Sheet	67	68
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	69	194
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	195	208
i. Second Source LCS(Summary + Raw Data)	209	222
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	223	224
l. GC/MS Tune (Results + Raw Data)	225	244
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	245	246
b. Chain-of-Custody Records	247	247
c. Sample Log-In Sheet	248	248
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	249	249
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	--	--
c. Manual Calculations	--	--
d. Canister Dilution Factors	250	252
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	253	254
g. Variance Table	--	--
h. Canister Certification	--	--
i. Data Review Check Sheet	255	255

Comments:

Completed by:

Kara McKiernan Kara McKiernan / Document Control 1/16/08

(Signature) (Print Name & Title) (Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0712517

Work Order Summary

CLIENT:	Ms. Jessica Vickers Tetra Tech EM, Inc. 1955 Evergreen Blvd. Bldg. 200, Suite 300 Duluth, GA 30096	**BILL TO:**	Ms. Jessica Vickers Tetra Tech EM, Inc. 1955 Evergreen Blvd. Bldg. 200, Suite 300 Duluth, GA 30096
PHONE:	678-775-3080	**P.O. #**	
FAX:		**PROJECT #**	Tetra Tech-Circle Environmental #1
DATE RECEIVED:	12/22/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	01/09/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	A-01 (interior-west end)	Modified TO-15	6.0 "Hg	5 psi
01AA	A-01 (interior-west end) Lab Duplicate	Modified TO-15	6.0 "Hg	5 psi
02A	A-02 (interior-east end)	Modified TO-15	6.5 "Hg	5 psi
03A	A-03 (exterior)	Modified TO-15	12.0 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 01/09/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
Tetra Tech
Workorder# 0712517

Three 6 Liter Summa Canister samples were received on December 22, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
A-01 (interior-west end)	0712517-01A	12/19/2007	12/22/2007	NA	12	12/31/2007	NA	Good
A-01 (interior-west end) La	0712517-01AA	12/19/2007	12/22/2007	NA	12	12/31/2007	NA	Good
A-02 (interior-east end)	0712517-02A	12/19/2007	12/22/2007	NA	12	12/31/2007	NA	Good
A-03 (exterior)	0712517-03A	12/19/2007	12/22/2007	NA	12	12/31/2007	NA	Good
Lab Blank	0712517-04A	NA	NA	NA	NA	12/31/2007	NA	Good
CCV	0712517-05A	NA	NA	NA	NA	12/31/2007	NA	Good
LCS	0712517-06A	NA	NA	NA	NA	12/31/2007	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712517-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	13	8.0	32
2-Propanol	3.4	16	8.2	41
Methylene Chloride	0.84	7.0	2.9	24
Toluene	0.84	1.0	3.2	3.9
1,2,4-Trimethylbenzene	0.84	1.1	4.1	5.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712517-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123110**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.68**	**Date of Analysis:**	**12/31/07 04:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	13	8.0	32
2-Propanol	3.4	16	8.2	41
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
Methylene Chloride	0.84	7.0	2.9	24
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Heptane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	1.0	3.2	3.9
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end)

Lab ID#: 0712517-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123110**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 12/31/07 04:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	Not Detected	5.7	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.84	1.1	4.1	5.6
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123110.d
Lab Smp Id: 0712517-01A
Inj Date : 31-DEC-2007 16:32
Operator : srs Inst ID: msd1.i
Smp Info : 100mL #22498
Misc Info : 6.0"Hg -> 5.0psi
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 04-Jan-2008 14:57 lover Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1
Dil Factor: 1.68000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	243053	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	192599			25.72- 125.72	79.24
14.389	14.389 (1.000)	49	265738			64.06- 164.06	109.33
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1087854	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	172448			0.00- 65.62	15.85
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	981847	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	520293			2.07- 102.07	52.99
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	433052	27.1478	27.148	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	205233			2.06- 102.06	47.39
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	956866	23.5743	23.574	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	107957			0.00- 60.40	11.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	671903			17.93- 117.93	70.22
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	642525	27.8818	27.882	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	730759			60.93- 160.93	113.73
21.633	21.633 (1.074)	176	619923			46.69- 146.69	96.48
45 Acetone					CAS #: 67-64-1		
11.015	10.988 (0.766)	58	50023	7.99584	13.433	80.00- 120.00	100.00
11.015	10.988 (0.766)	43	186529			314.99- 414.99	372.88
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	256714	9.86187	16.568	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	55875			0.00- 72.77	21.77
11.458	11.458 (0.796)	59	9801			0.00- 54.24	3.82
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	52563	4.19737	7.052	80.00- 120.00	100.00
11.872	11.872 (0.825)	84	47527			41.92- 141.92	90.42
11.872	11.872 (0.825)	51	16434			0.00- 80.99	31.26
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	37881	0.61531	1.034	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	23384			9.02- 109.02	61.73
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	45559	0.67360	1.132	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	21829			0.00- 94.57	47.91

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123110.d
Lab Smp Id: 0712517-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.0"Hg -> 5.0psi

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	243053	-21.72
95 1,4-Difluorobenze	1331171	798703	1863639	1087854	-18.28
123 Chlorobenzene-d5	1160929	696557	1625301	981847	-15.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 09-Jan-2008 12:08

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0712517-01A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.0"Hg -> 5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	27.148	108.59	70-130
$ 111 Toluene-d8	25.000	23.574	94.30	70-130
$ 136 Bromofluorobenzene	25.000	27.882	111.53	70-130

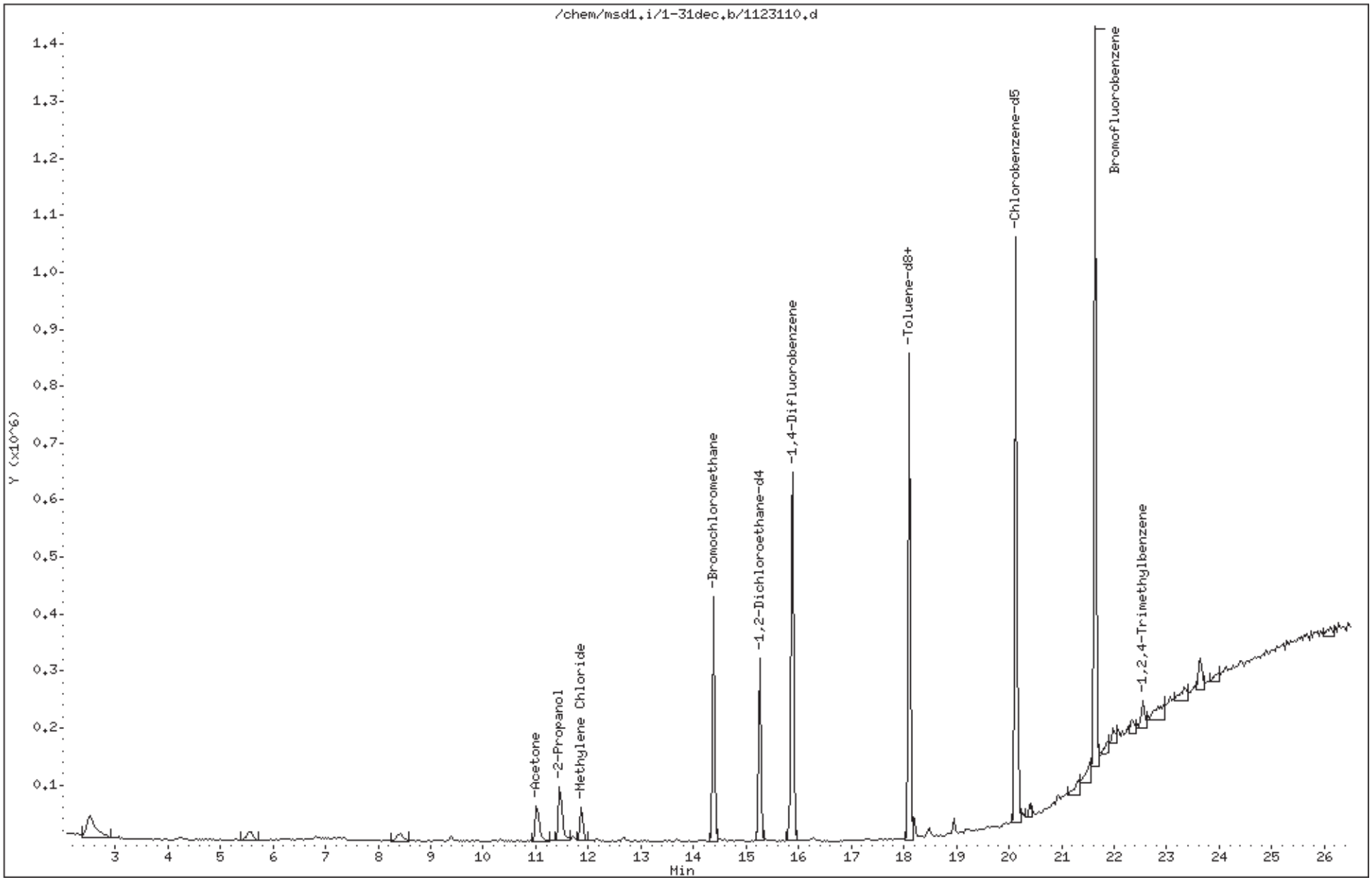
Data File: /chem/msd1.i/1-31dec.b/1123110.d
Date : 31-DEC-2007 16:32
Client ID:
Sample Info: 100mL #22498

Column phase: RTx-624

Instrument: msd1.i

Operator: srs
Column diameter: 0.53

0013



Data File: /chem/msd1.i/1-31dec.b/1123110.d

Date : 31-DEC-2007 16:32

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

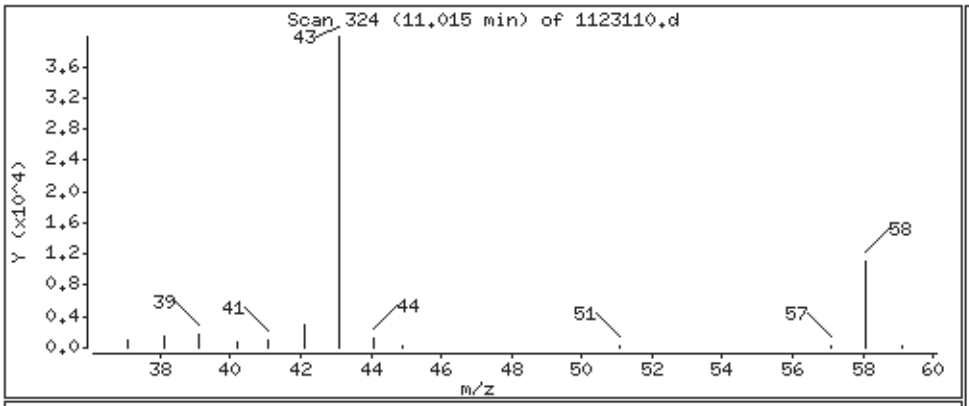
Operator: srs

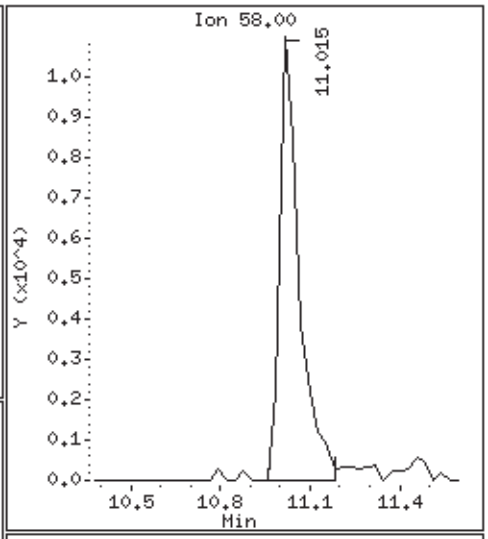
Column phase: RTx-624

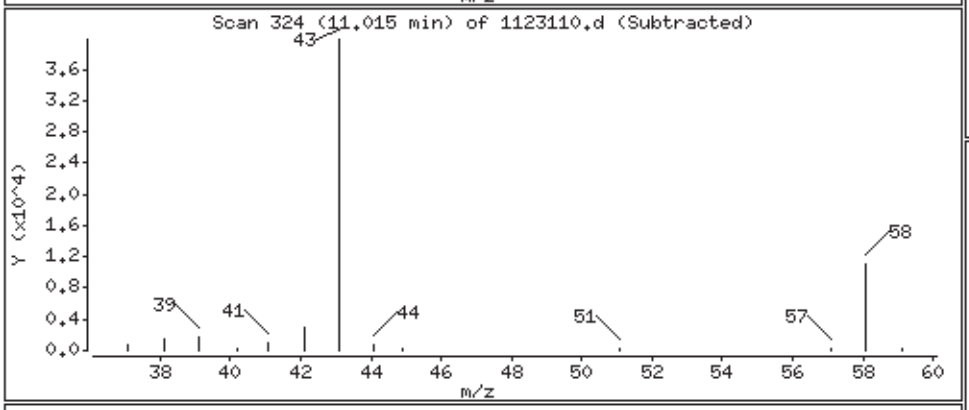
Column diameter: 0.53

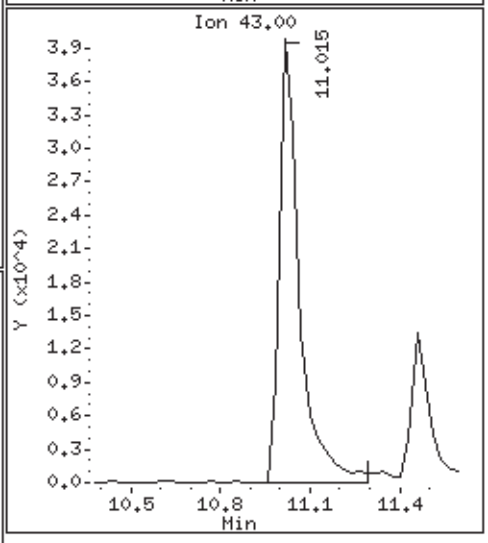
45 Acetone

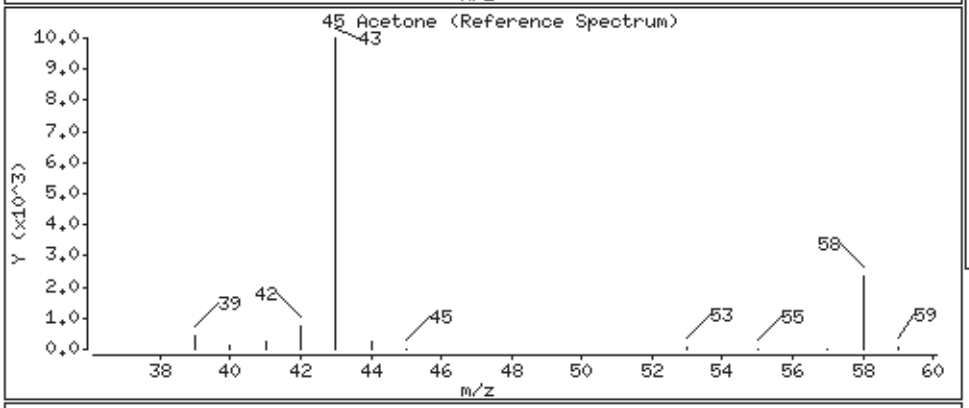
Concentration: 13.433 PPBV

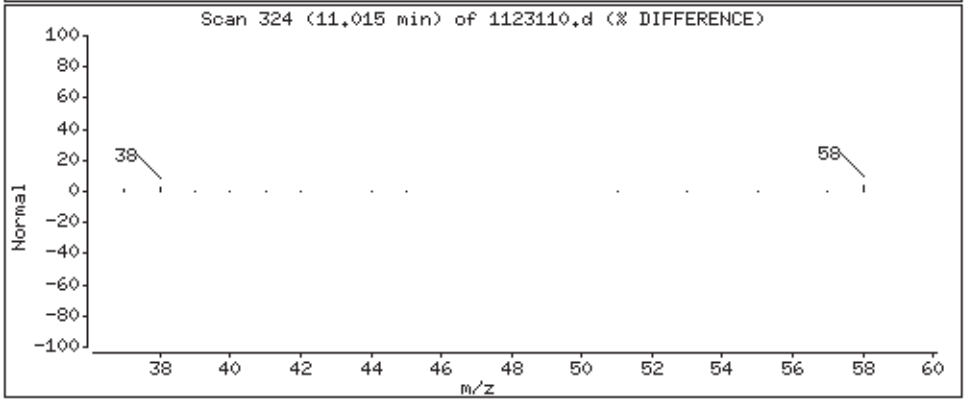












Data File: /chem/msd1.i/1-31dec.b/1123110.d

Date : 31-DEC-2007 16:32

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

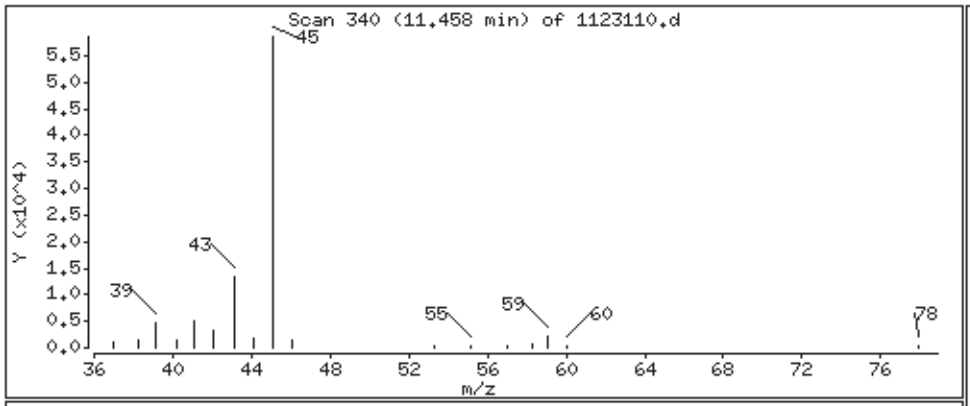
Operator: srs

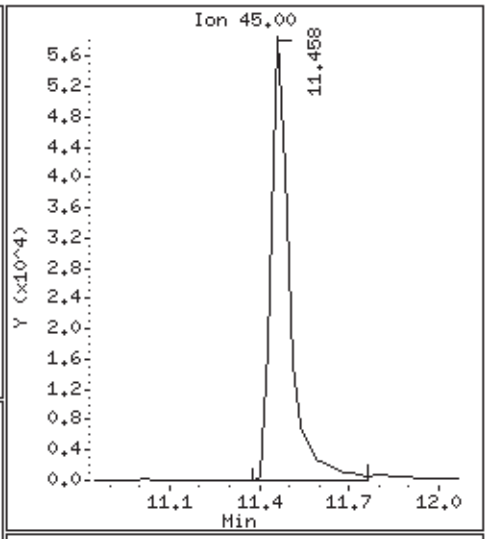
Column phase: RTx-624

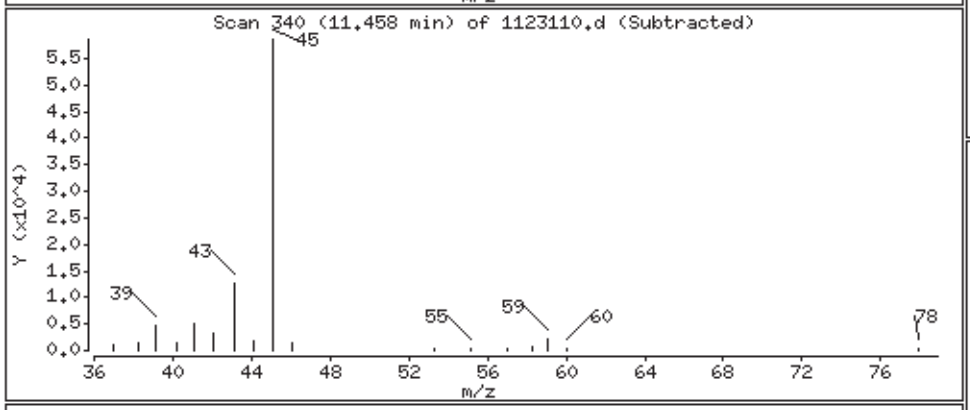
Column diameter: 0.53

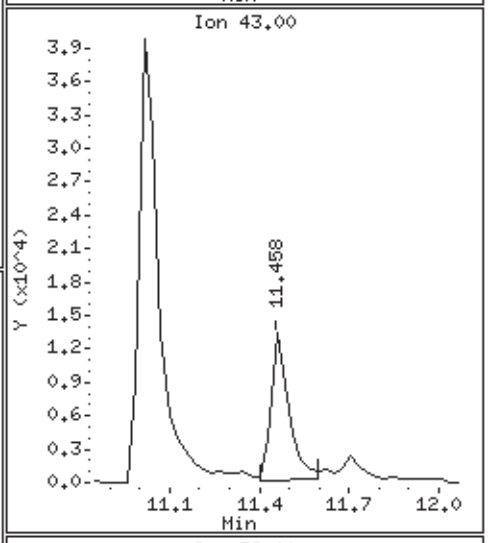
46 2-Propanol

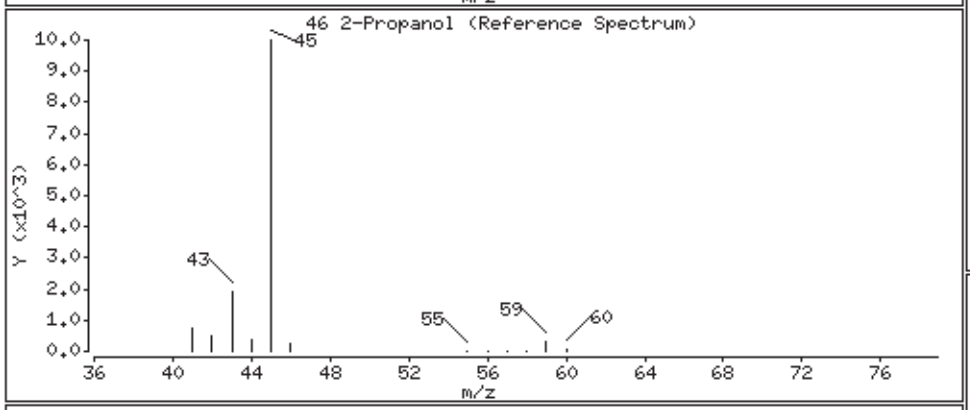
Concentration: 16.568 PPBV

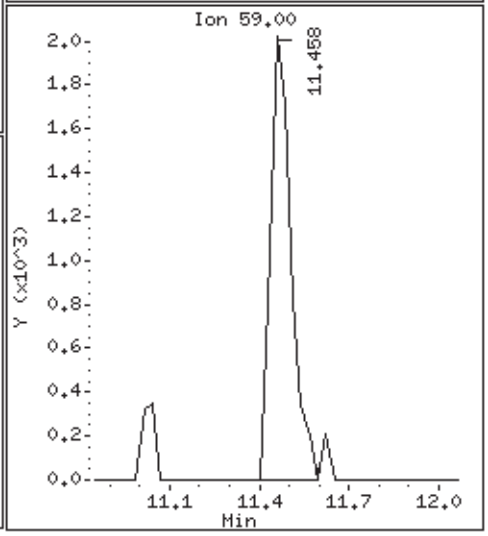


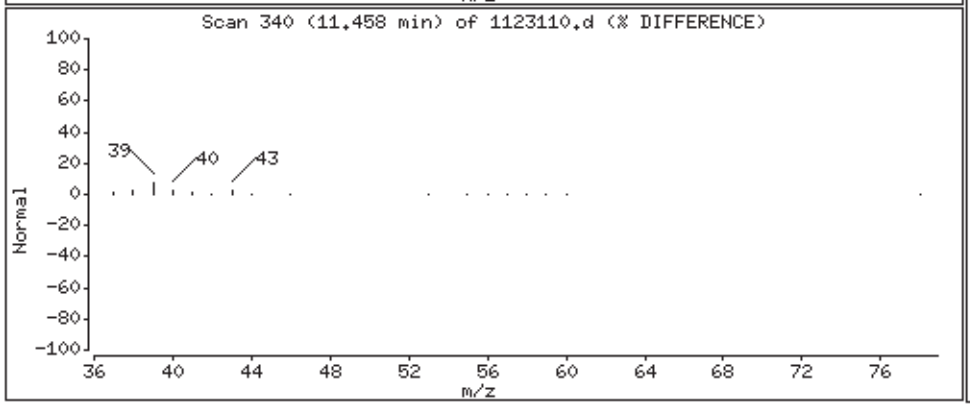












Data File: /chem/msd1.i/1-31dec.b/1123110.d

Date : 31-DEC-2007 16:32

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

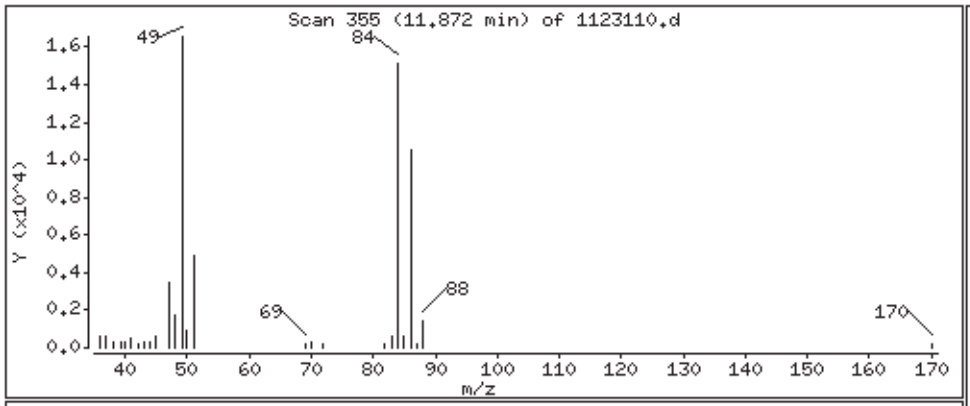
Operator: srs

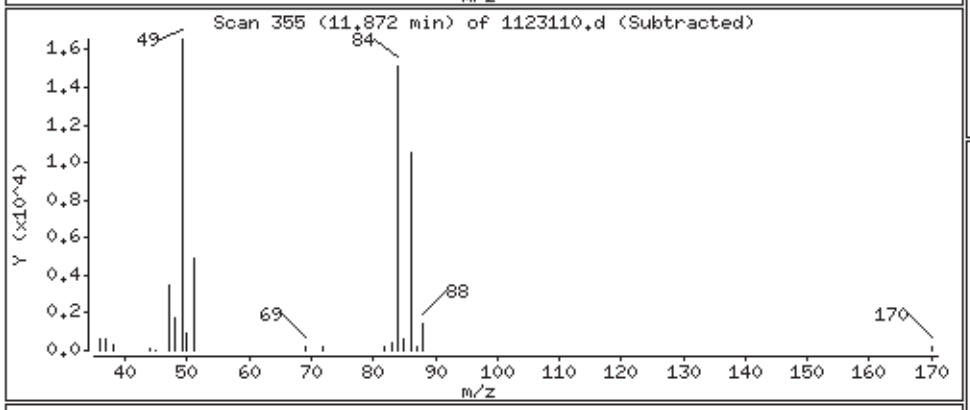
Column phase: RTx-624

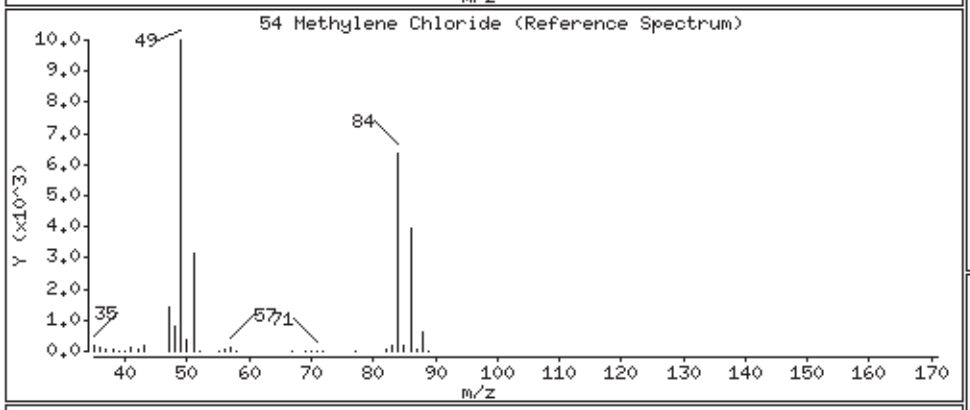
Column diameter: 0.53

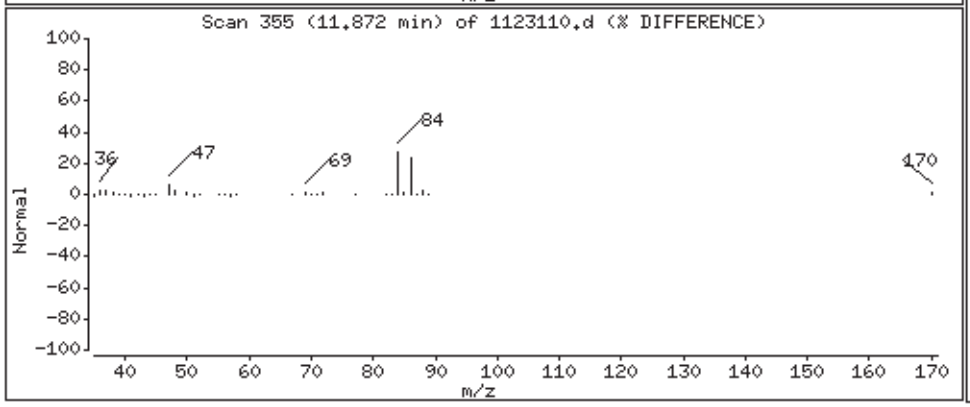
54 Methylene Chloride

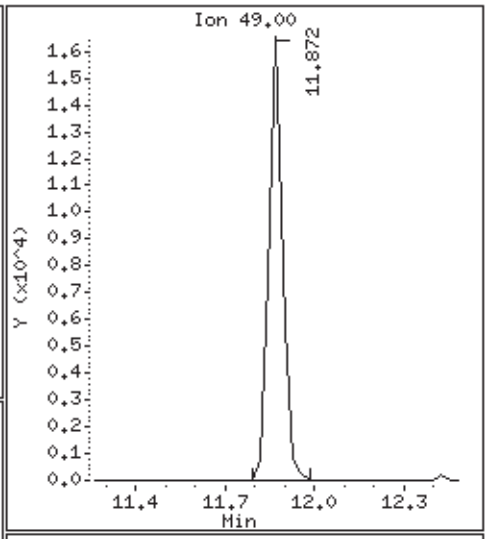
Concentration: 7.052 PPBV

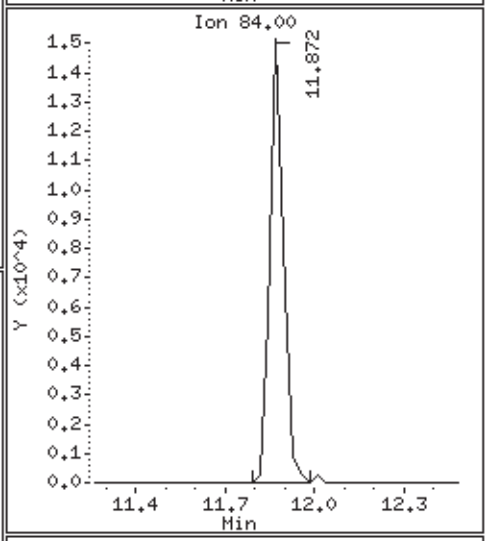


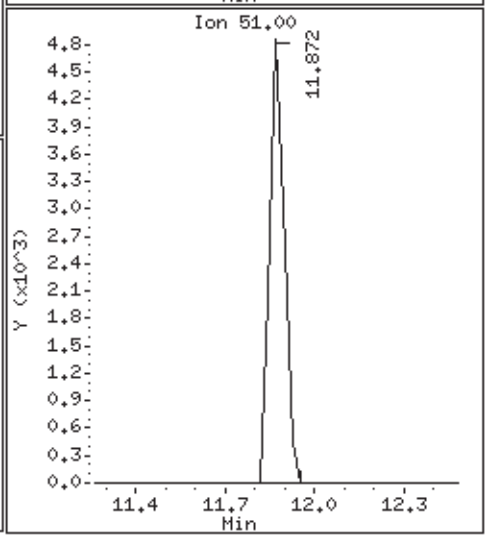












Data File: /chem/msd1.i/1-31dec.b/1123110.d

Date : 31-DEC-2007 16:32

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

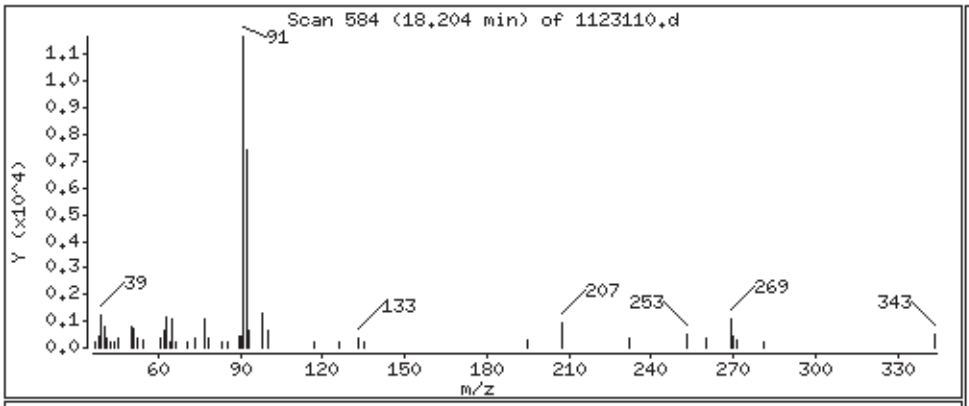
Operator: srs

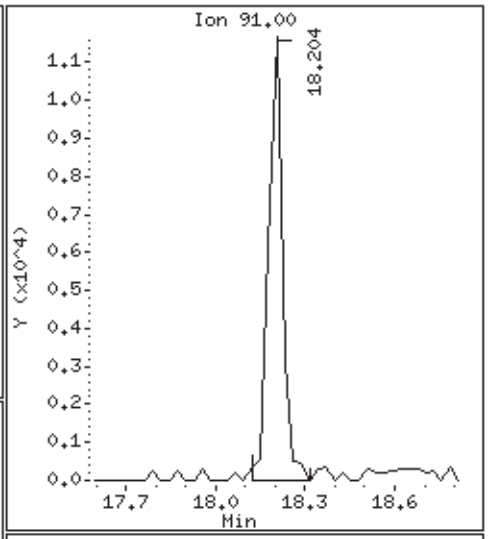
Column phase: RTx-624

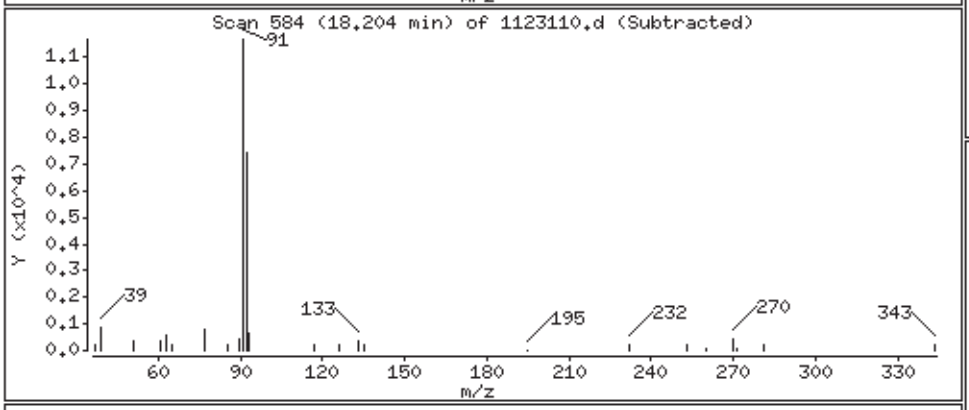
Column diameter: 0.53

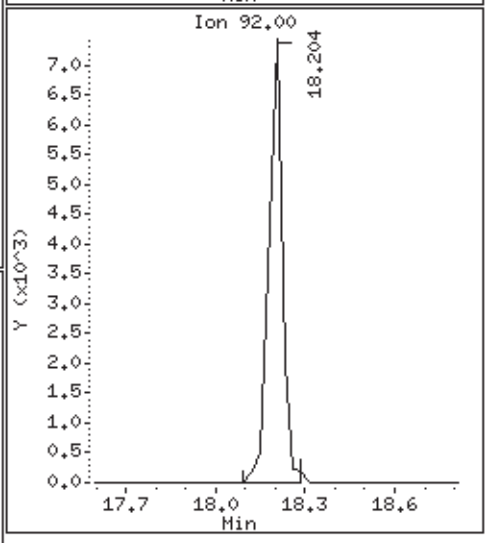
114 Toluene

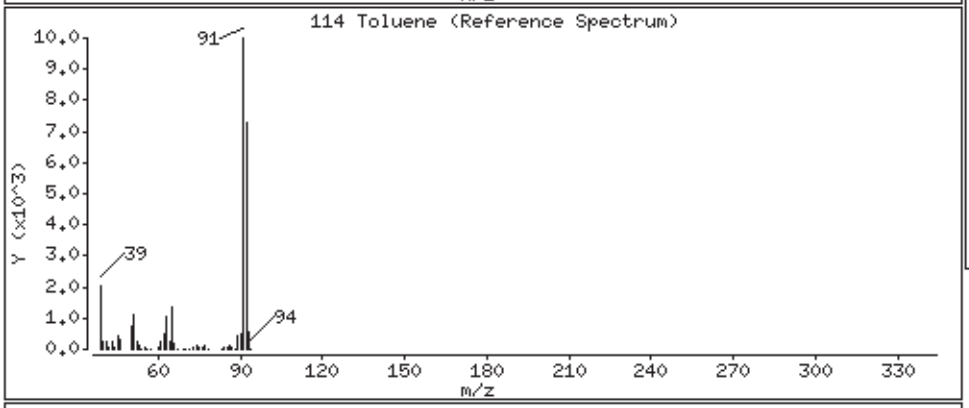
Concentration: 1.034 PPBV

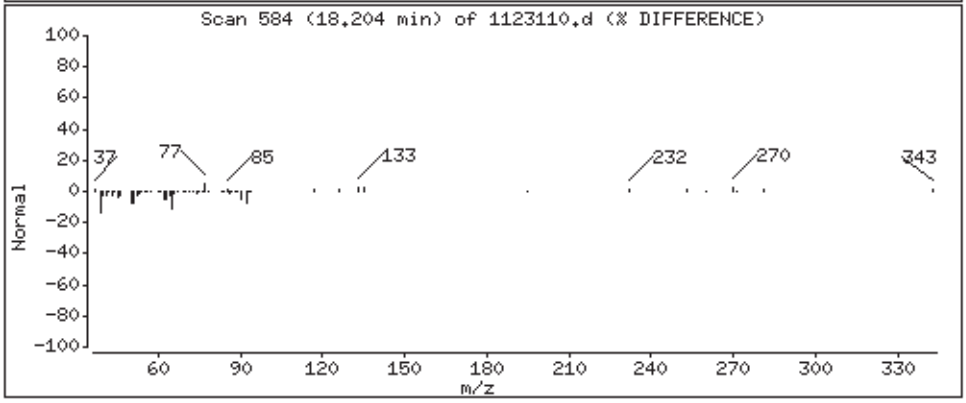












Data File: /chem/msd1.i/1-31dec.b/1123110.d

Date : 31-DEC-2007 16:32

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

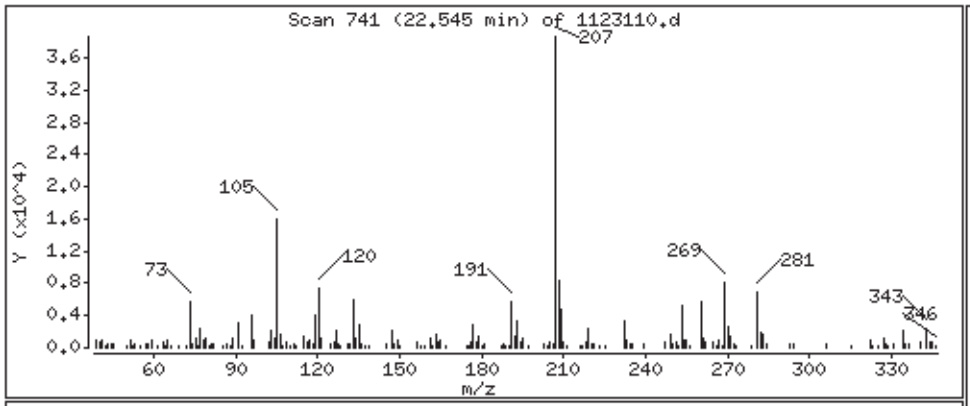
Operator: srs

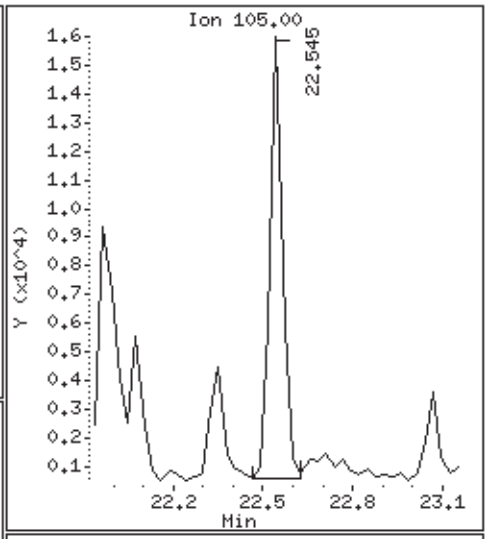
Column phase: RTx-624

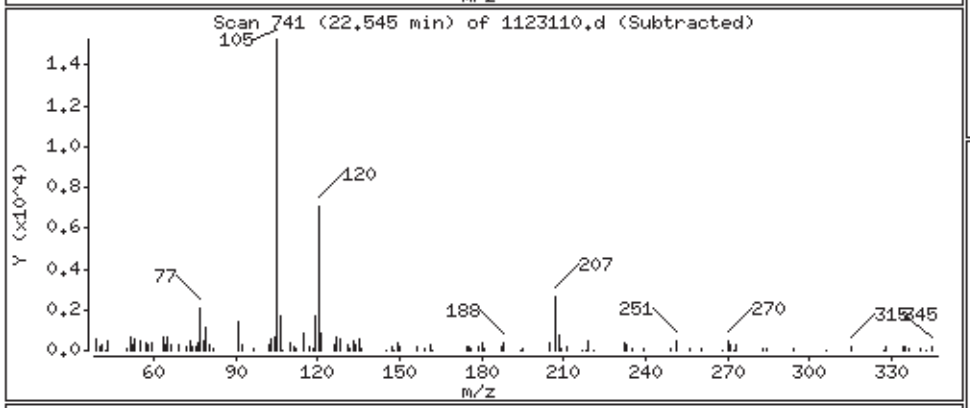
Column diameter: 0.53

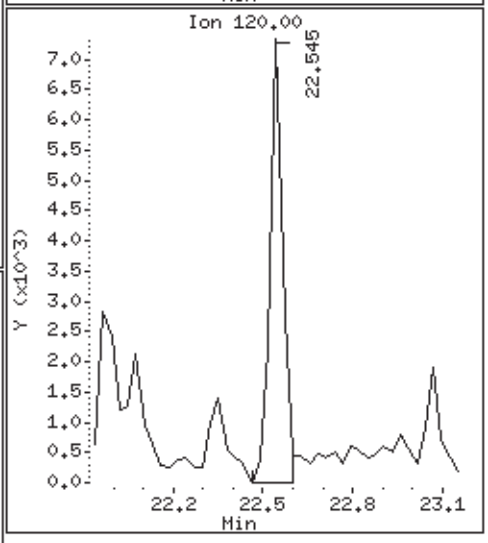
152 1,2,4-Trimethylbenzene

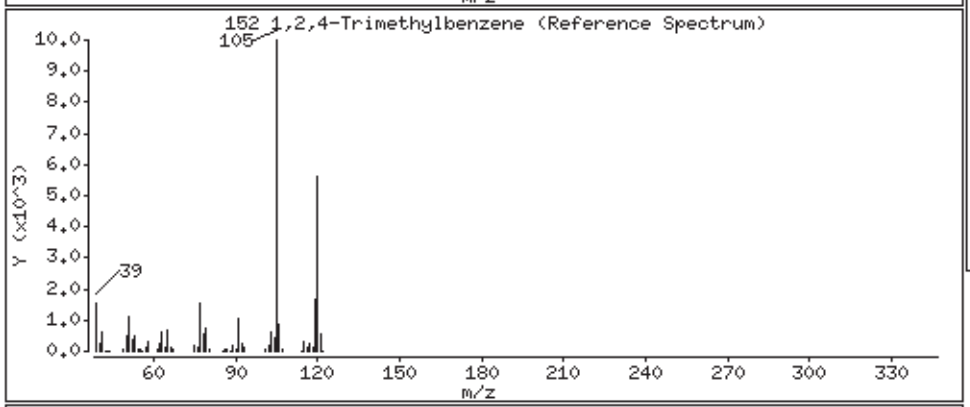
Concentration: 1.132 PPBV

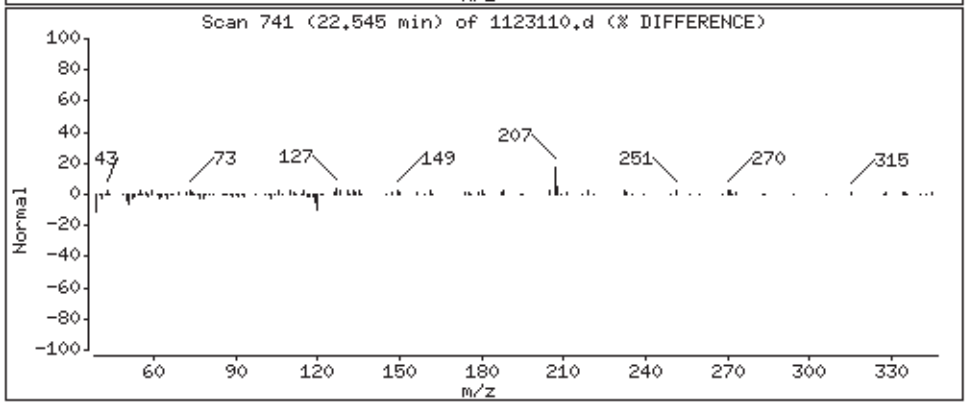












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712517-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	13	8.0	31
2-Propanol	3.4	16	8.2	39
Methylene Chloride	0.84	7.0	2.9	24
Toluene	0.84	0.96	3.2	3.6
Tetrachloroethene	0.84	0.89	5.7	6.0
1,2,4-Trimethylbenzene	0.84	1.0	4.1	4.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712517-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123113**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.68**	**Date of Analysis:**	**12/31/07 06:30 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.84	Not Detected	4.2	Not Detected
Freon 114	0.84	Not Detected	5.9	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
Vinyl Chloride	0.84	Not Detected	2.1	Not Detected
1,3-Butadiene	0.84	Not Detected	1.8	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.84	Not Detected	4.7	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Freon 113	0.84	Not Detected	6.4	Not Detected
1,1-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Acetone	3.4	13	8.0	31
2-Propanol	3.4	16	8.2	39
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
Methylene Chloride	0.84	7.0	2.9	24
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Hexane	0.84	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.84	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.84	Not Detected	4.1	Not Detected
1,1,1-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Cyclohexane	0.84	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.84	Not Detected	5.3	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.84	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.84	Not Detected	3.4	Not Detected
Heptane	0.84	Not Detected	3.4	Not Detected
Trichloroethene	0.84	Not Detected	4.5	Not Detected
1,2-Dichloropropane	0.84	Not Detected	3.9	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
cis-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
Toluene	0.84	0.96	3.2	3.6
trans-1,3-Dichloropropene	0.84	Not Detected	3.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-01 (interior-west end) Lab Duplicate

Lab ID#: 0712517-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123113**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.68**	**Date of Analysis: 12/31/07 06:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.84	Not Detected	4.6	Not Detected
Tetrachloroethene	0.84	0.89	5.7	6.0
2-Hexanone	3.4	Not Detected	14	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
1,2-Dibromoethane (EDB)	0.84	Not Detected	6.4	Not Detected
Chlorobenzene	0.84	Not Detected	3.9	Not Detected
Ethyl Benzene	0.84	Not Detected	3.6	Not Detected
m,p-Xylene	0.84	Not Detected	3.6	Not Detected
o-Xylene	0.84	Not Detected	3.6	Not Detected
Styrene	0.84	Not Detected	3.6	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.84	Not Detected	5.8	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
1,3,5-Trimethylbenzene	0.84	Not Detected	4.1	Not Detected
1,2,4-Trimethylbenzene	0.84	1.0	4.1	4.9
1,3-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,4-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
alpha-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
1,2-Dichlorobenzene	0.84	Not Detected	5.0	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123113.d
Lab Smp Id: 0712517-01AA
Inj Date : 31-DEC-2007 18:30
Operator : srs Inst ID: msd1.i
Smp Info : 100mL #22498
Misc Info : 6.0"Hg -> 5.0psi
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 04-Jan-2008 14:57 lover Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1
Dil Factor: 1.68000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========		=======	=======	==========	=====
* 79 Bromochloromethane							CAS #: 74-97-5	
14.389	14.389 (1.000)	130	239290	25.0000			80.00- 120.00	100.00
14.389	14.389 (1.000)	128	186879				25.72- 125.72	78.10
14.389	14.389 (1.000)	49	265342				64.06- 164.06	110.89
* 95 1,4-Difluorobenzene							CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1060254	25.0000			80.00- 120.00	100.00
15.882	15.882 (1.000)	88	168388				0.00- 65.62	15.88
* 123 Chlorobenzene-d5							CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	972776	25.0000			80.00- 120.00	100.00
20.140	20.140 (1.000)	82	501802				2.07- 102.07	51.58
$ 90 1,2-Dichloroethane-d4							CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	422223	26.8852	26.885		80.00- 120.00	100.00
15.273	15.273 (1.061)	67	198036				2.06- 102.06	46.90
$ 111 Toluene-d8							CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	945568	23.9024	23.902		80.00- 120.00	100.00
18.094	18.094 (1.139)	70	101097				0.00- 60.40	10.69

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	647915			17.93- 117.93	68.52
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	635548	27.8363	27.836	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	714325			60.93- 160.93	112.40
21.633	21.633 (1.074)	176	620453			46.69- 146.69	97.62
45 Acetone					CAS #: 67-64-1		
11.015	10.988 (0.766)	58	47973	7.78875	13.085	80.00- 120.00	100.00
11.015	10.988 (0.766)	43	178581			314.99- 414.99	372.25
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	242741	9.47173	15.912	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	55502			0.00- 72.77	22.86
11.458	11.458 (0.796)	59	11236			0.00- 54.24	4.63
54 Methylene Chloride					CAS #: 75-09-2		
11.873	11.872 (0.825)	49	51400	4.16905	7.004	80.00- 120.00	100.00
11.873	11.872 (0.825)	84	47838			41.92- 141.92	93.07
11.873	11.872 (0.825)	51	16911			0.00- 80.99	32.90
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	34163	0.56937	0.9565	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	19317			9.02- 109.02	56.54
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	15513	0.53063	0.8915	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	9922			16.55- 116.55	63.96
18.951	18.951 (0.941)	131	11020			15.03- 115.03	71.04
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	39811	0.59411	0.9981	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	21858			0.00- 94.57	54.91

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123113.d
Lab Smp Id: 0712517-01AA
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.0"Hg -> 5.0psi

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	239290	-22.93
95 1,4-Difluorobenze	1331171	798703	1863639	1060254	-20.35
123 Chlorobenzene-d5	1160929	696557	1625301	972776	-16.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 09-Jan-2008 12:09

Air Toxics Ltd.

RECOVERY REPORT

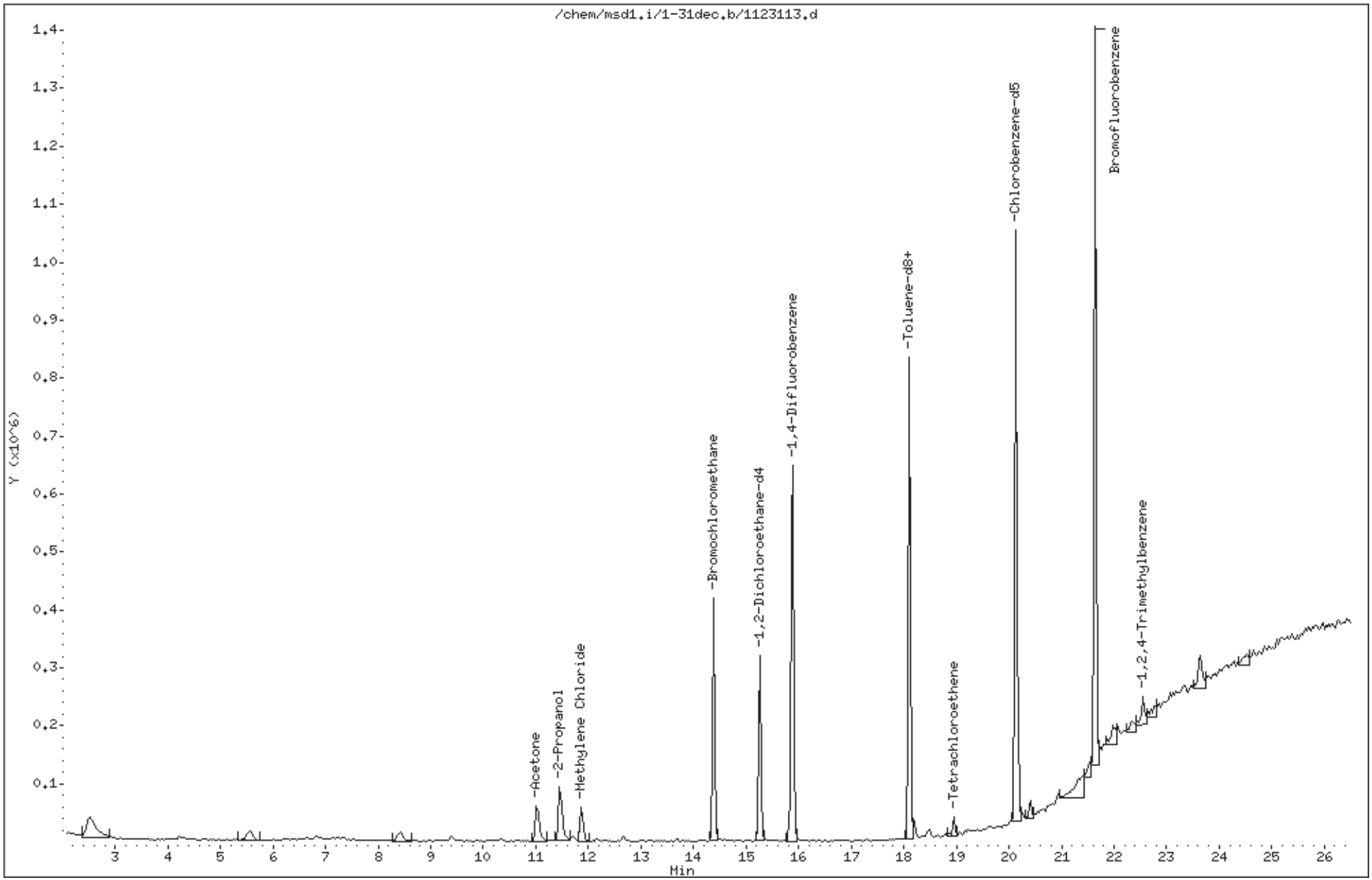
Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0712517-01AA
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.0"Hg -> 5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.885	107.54	70-130
$ 111 Toluene-d8	25.000	23.902	95.61	70-130
$ 136 Bromofluorobenzene	25.000	27.836	111.35	70-130

Data File: /chem/msd1.i/1-31dec.b/1123113.d
Date : 31-DEC-2007 18:30
Client ID:
Sample Info: 100mL #22498

Instrument: msd1.i
Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

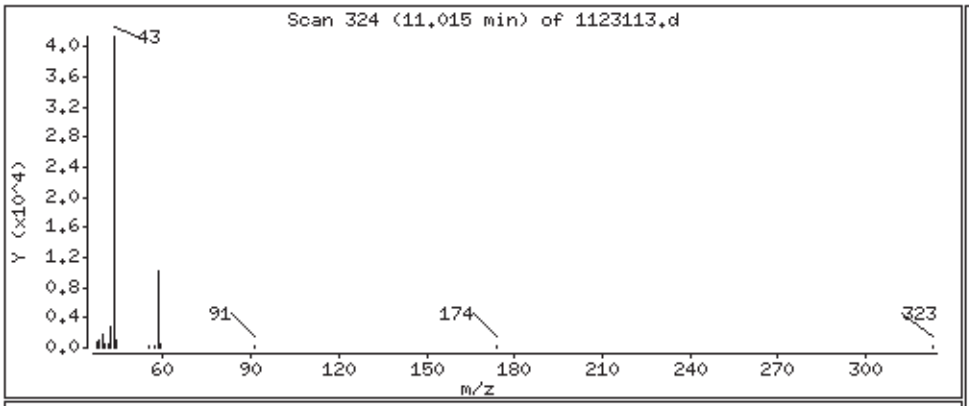
Operator: srs

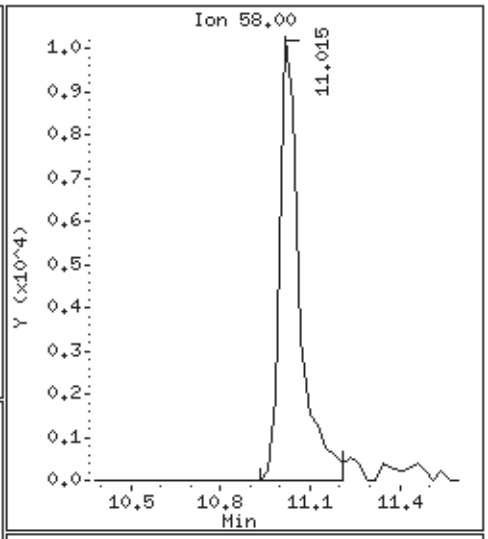
Column phase: RTx-624

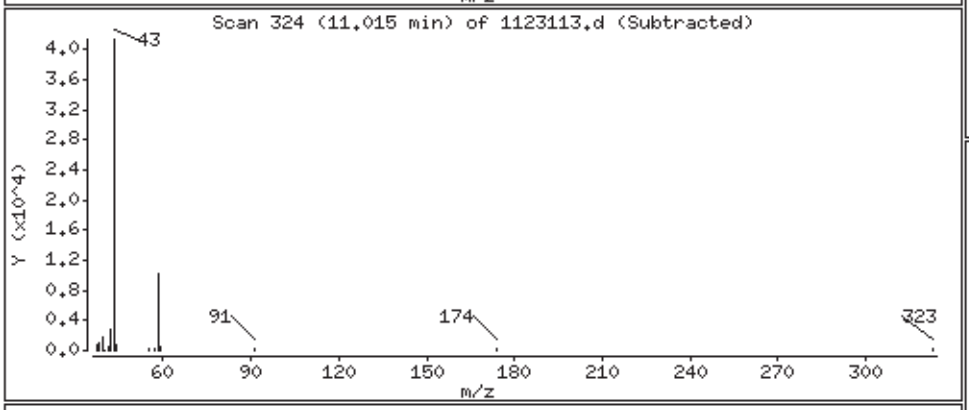
Column diameter: 0.53

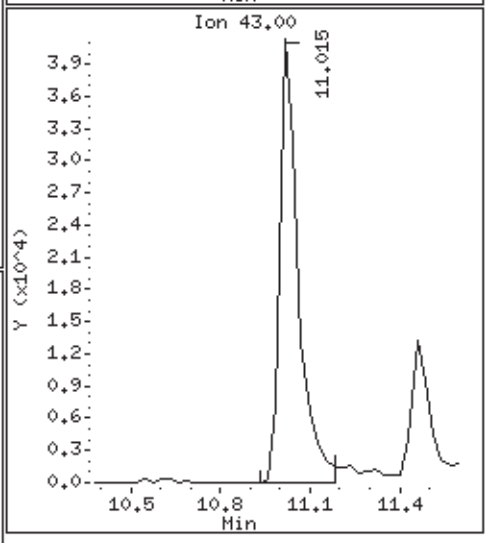
45 Acetone

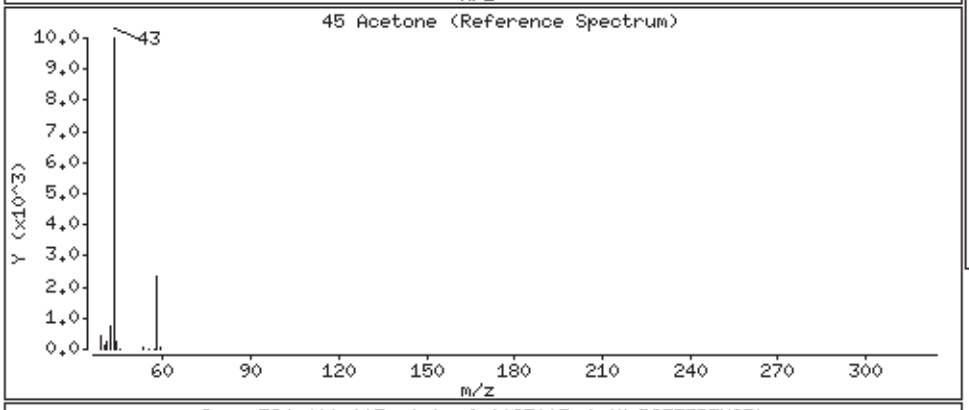
Concentration: 13.085 PPBV

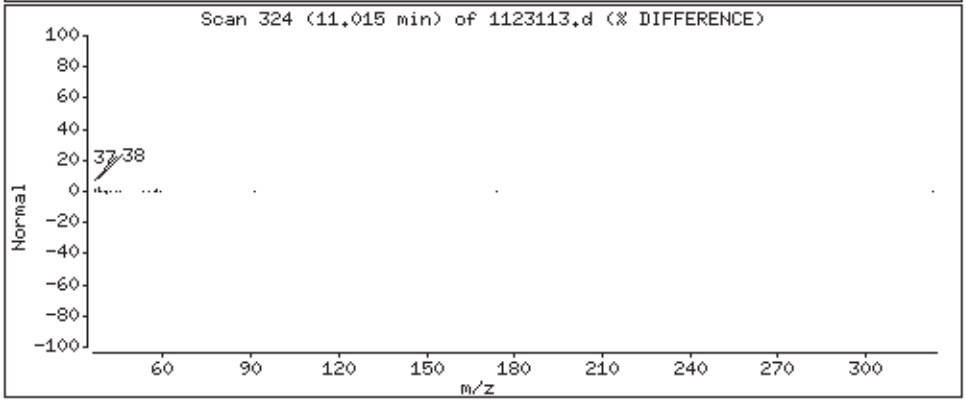












Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

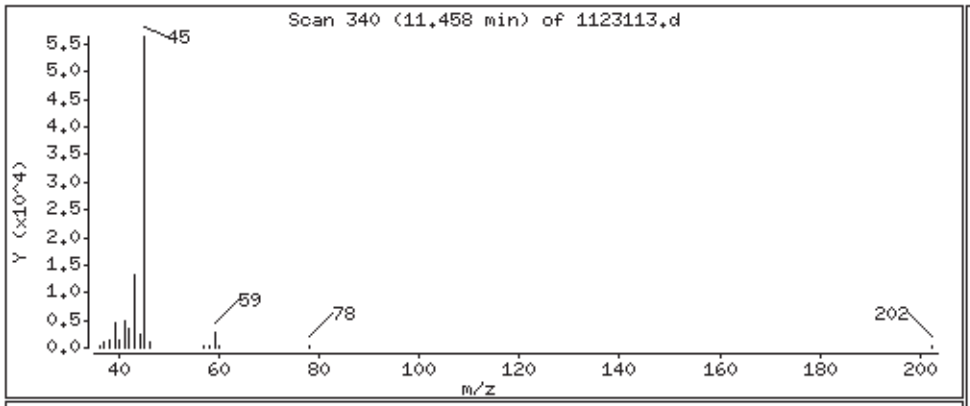
Operator: srs

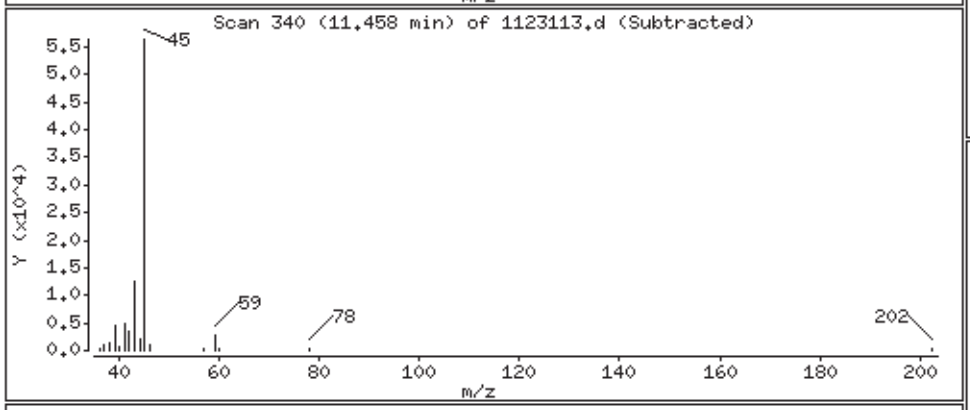
Column phase: RTx-624

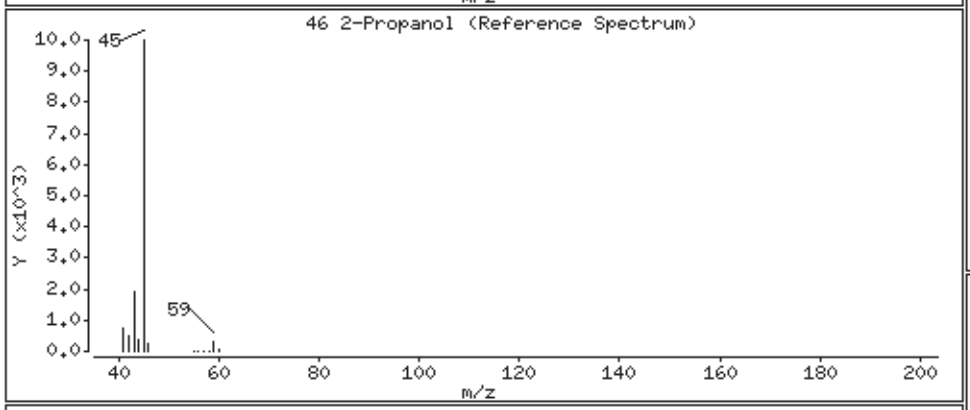
Column diameter: 0.53

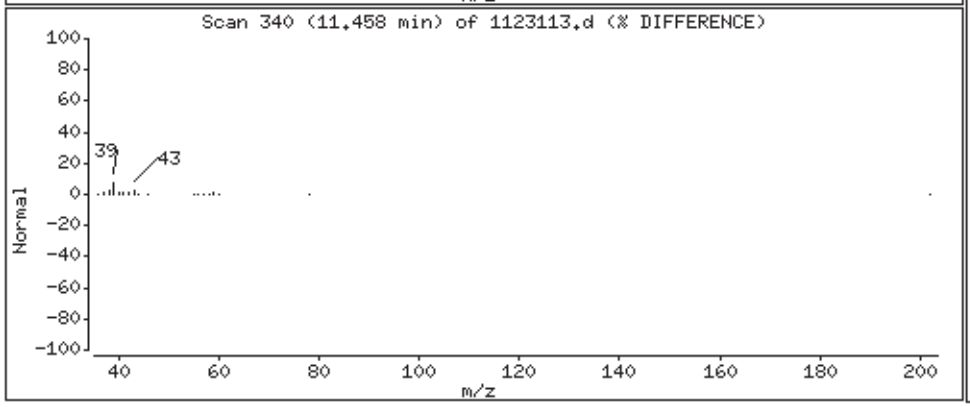
46 2-Propanol

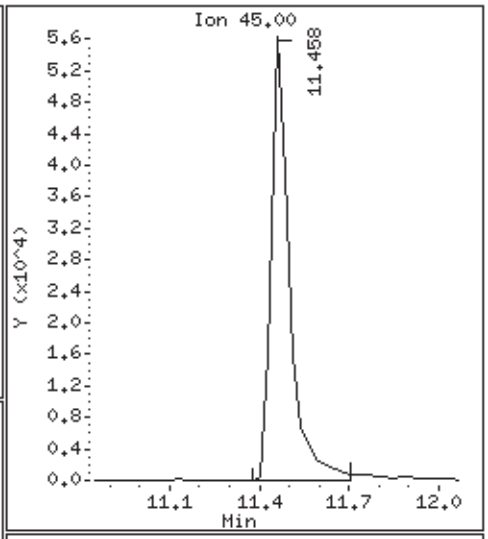
Concentration: 15.912 PPBV

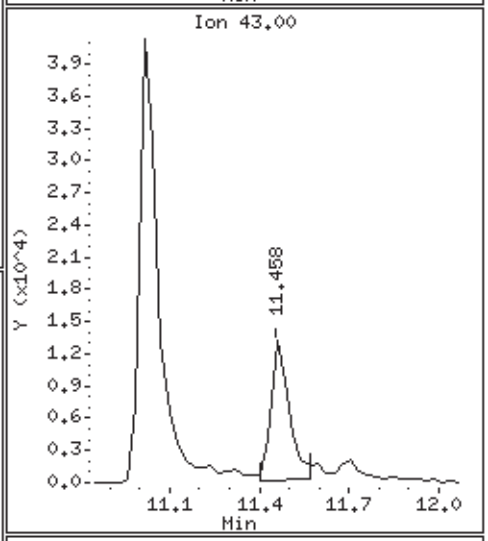


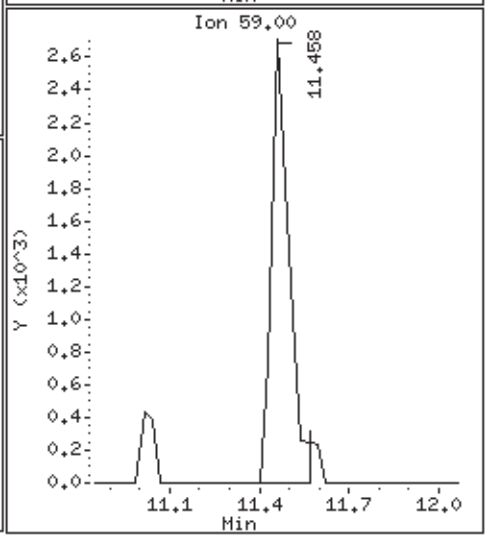












Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

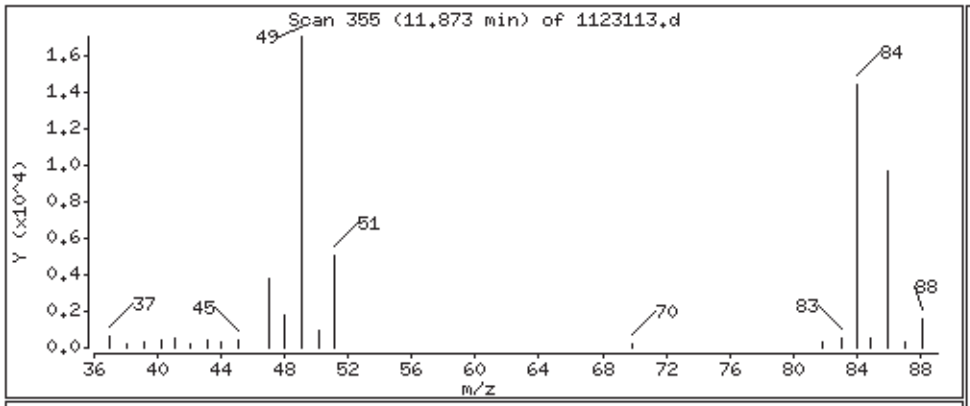
Operator: srs

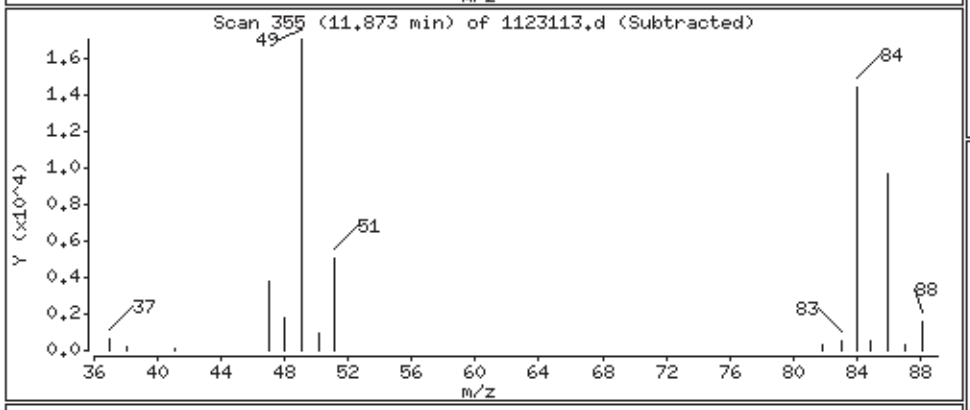
Column phase: RTx-624

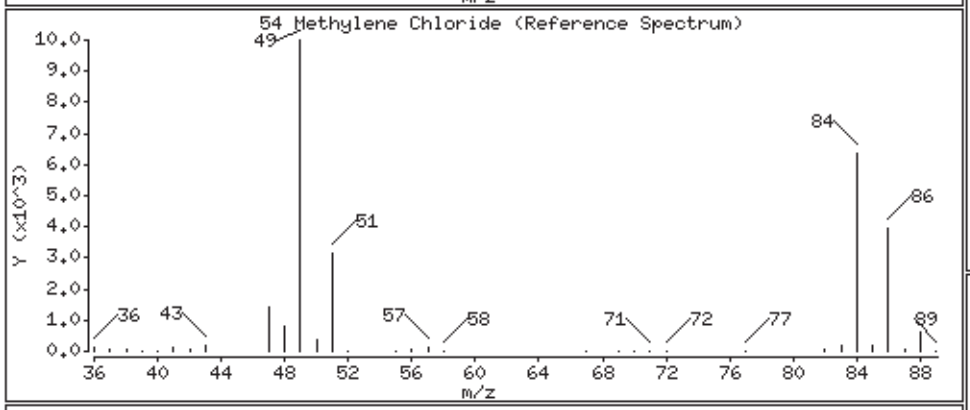
Column diameter: 0.53

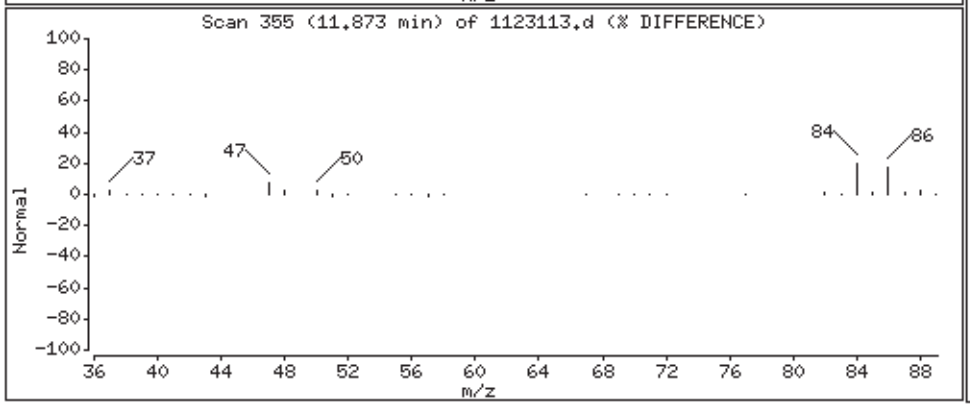
54 Methylene Chloride

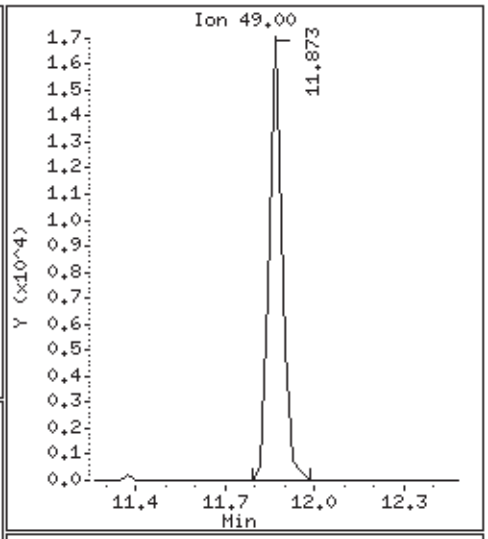
Concentration: 7.004 PPBV

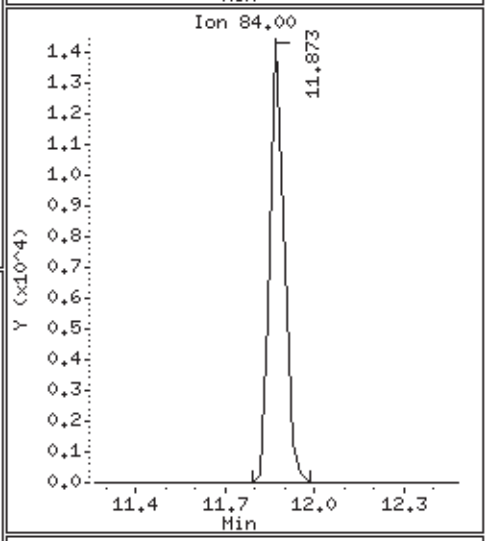


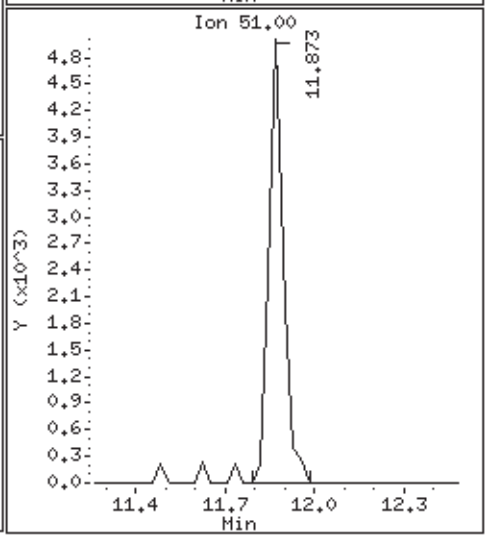












Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

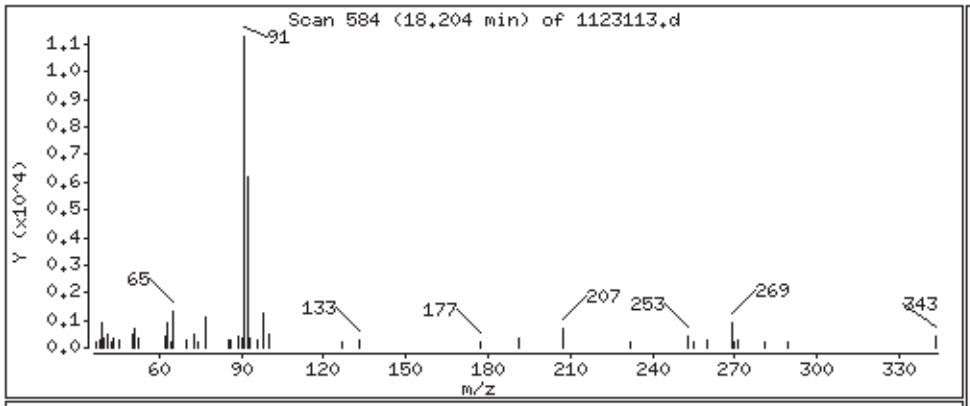
Operator: srs

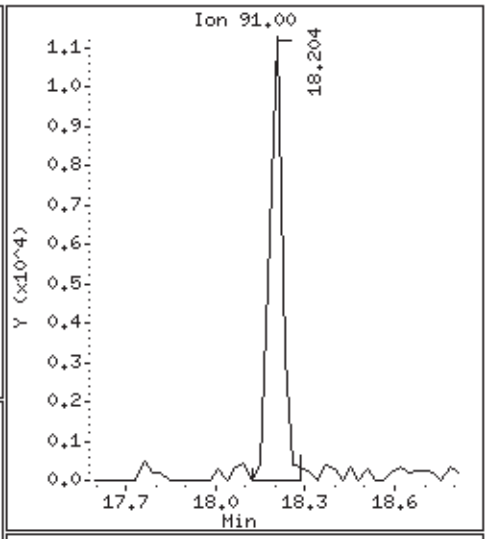
Column phase: RTx-624

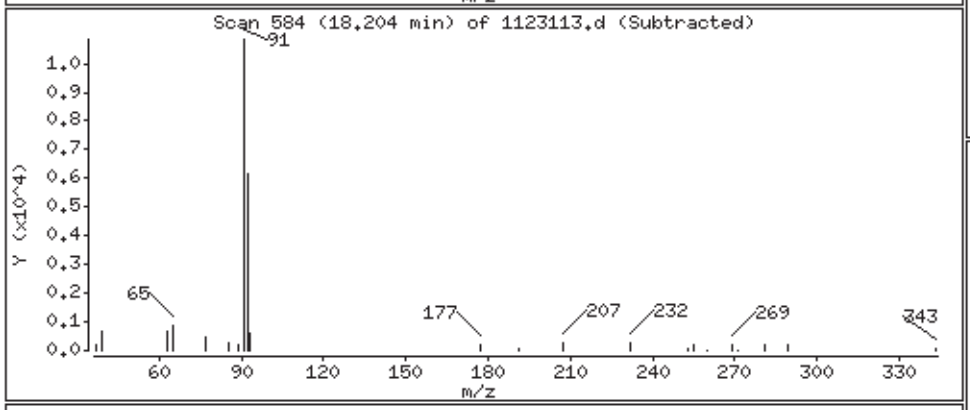
Column diameter: 0.53

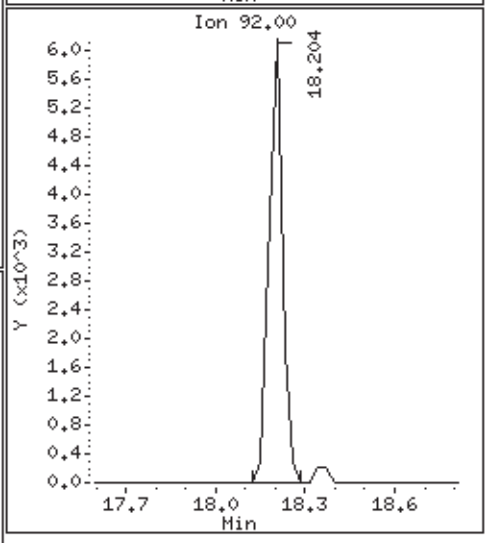
114 Toluene

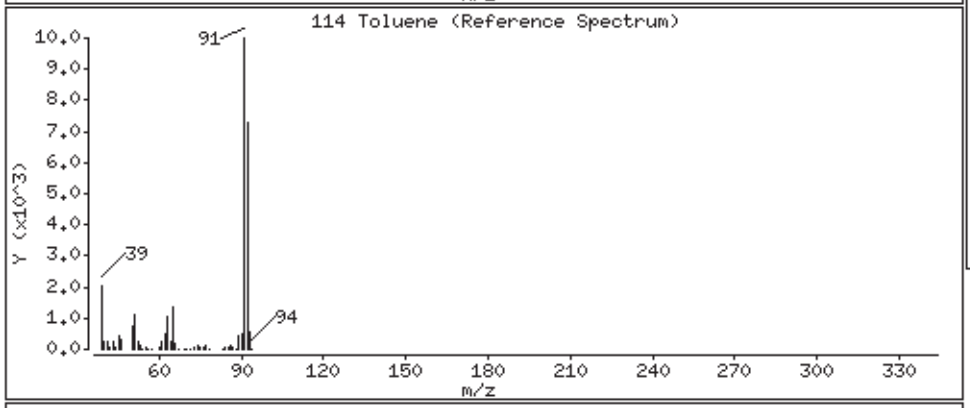
Concentration: 0.9565 PPBV

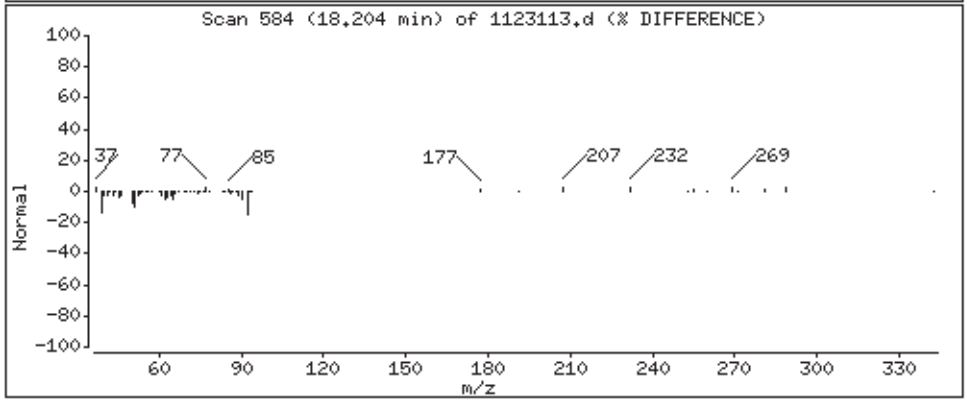












Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

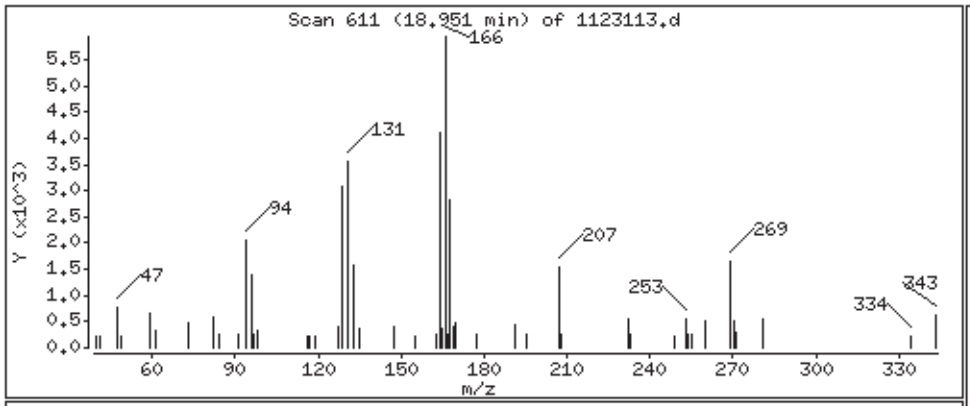
Operator: srs

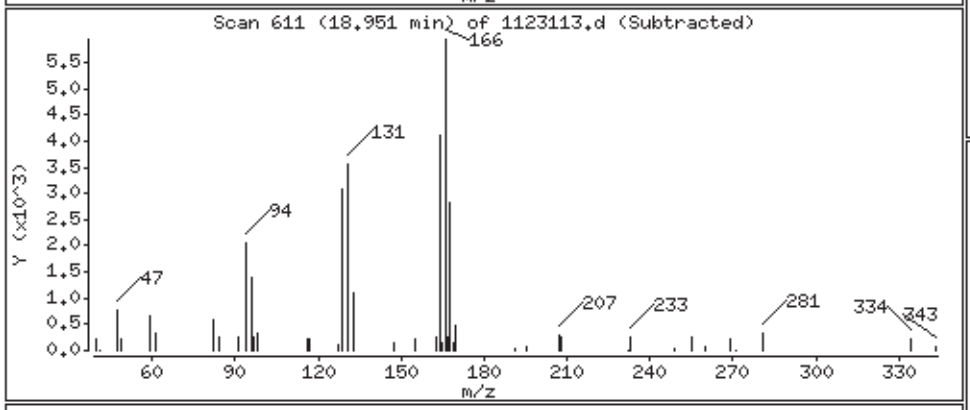
Column phase: RTx-624

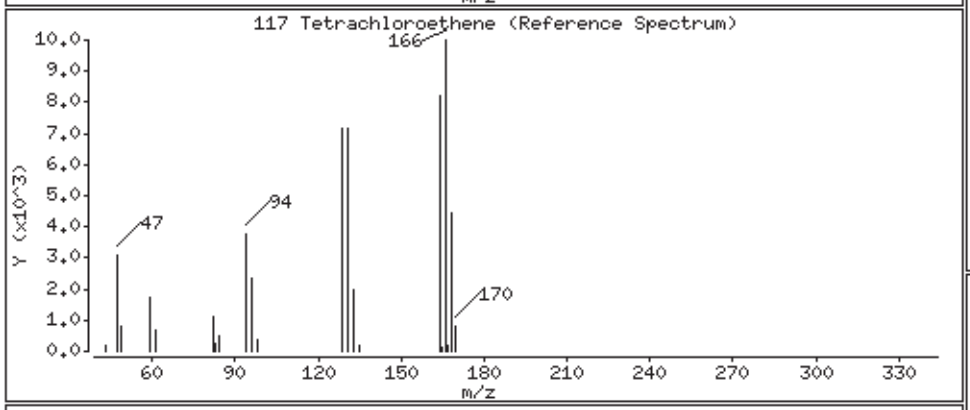
Column diameter: 0.53

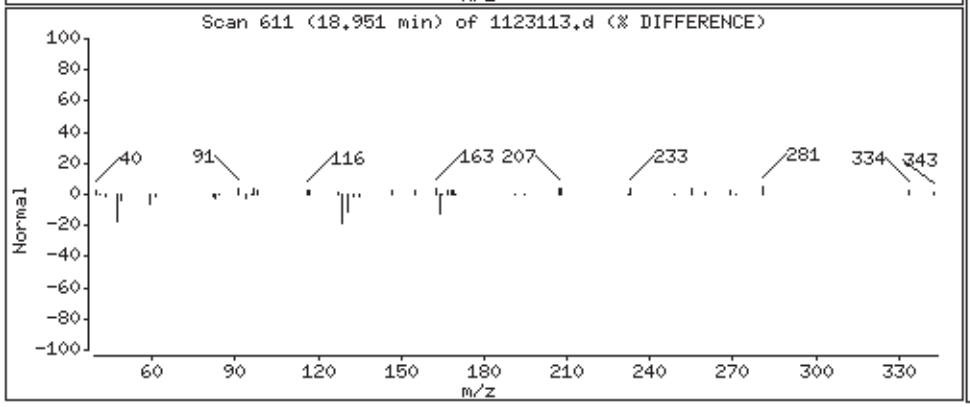
117 Tetrachloroethene

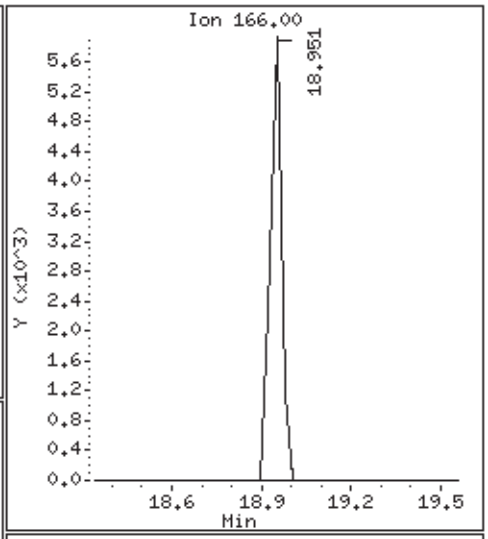
Concentration: 0.8915 PPBV

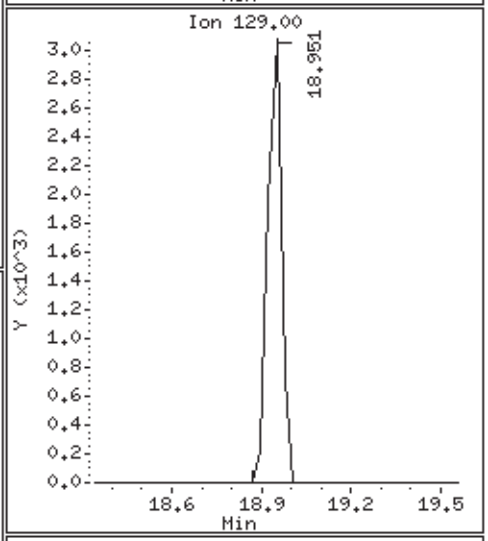


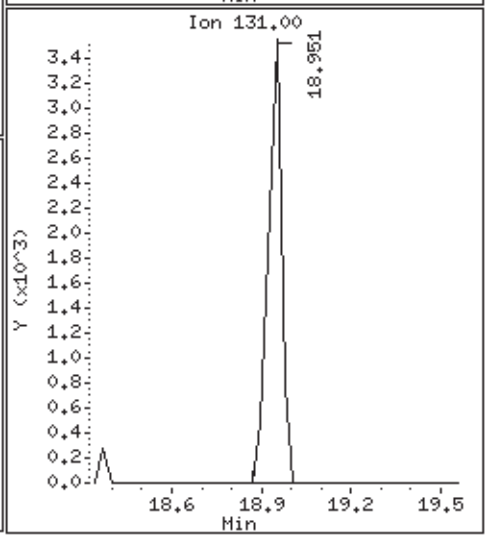












Data File: /chem/msd1.i/1-31dec.b/1123113.d

Date : 31-DEC-2007 18:30

Client ID:

Instrument: msd1.i

Sample Info: 100mL #22498

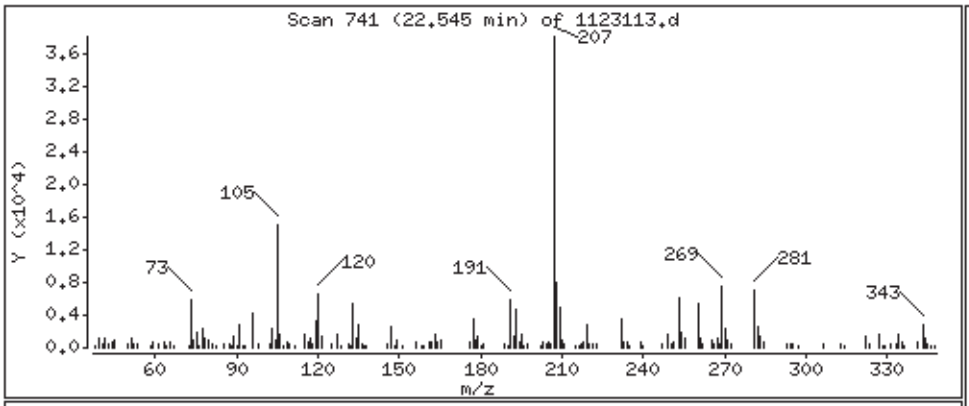
Operator: srs

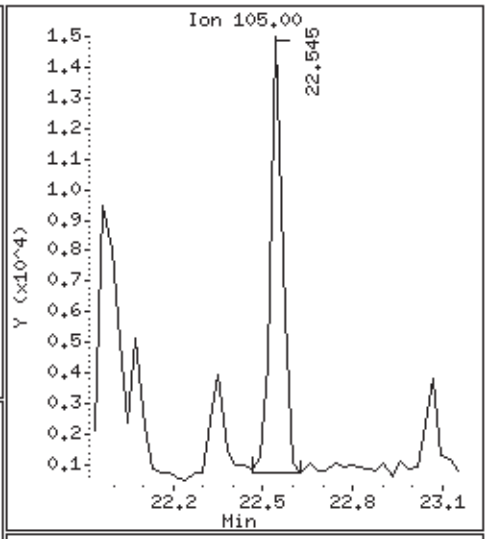
Column phase: RTx-624

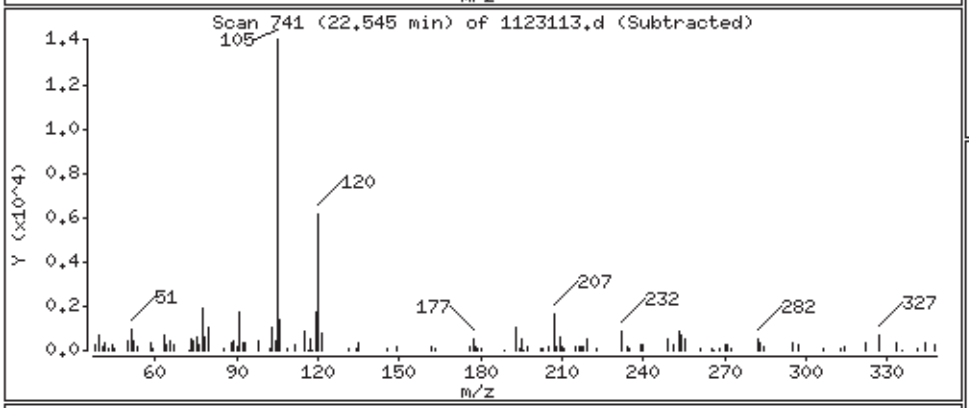
Column diameter: 0.53

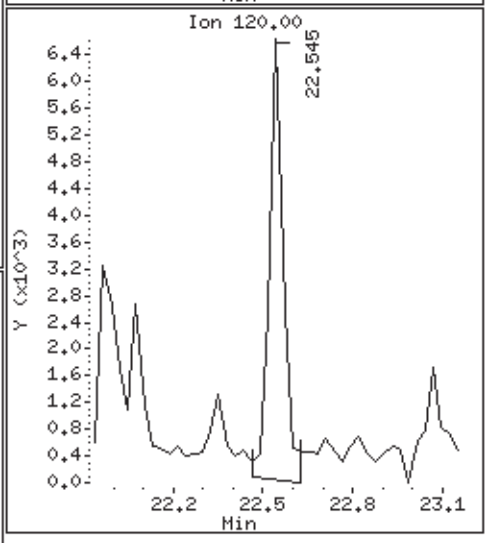
152 1,2,4-Trimethylbenzene

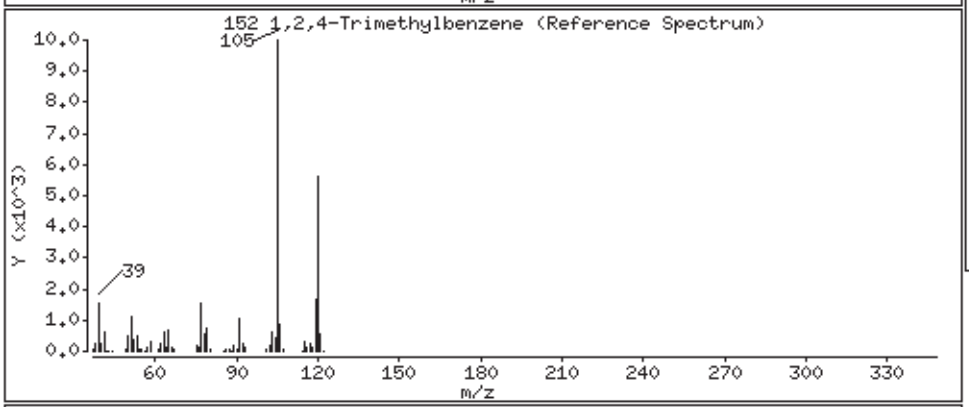
Concentration: 0.9981 PPBV

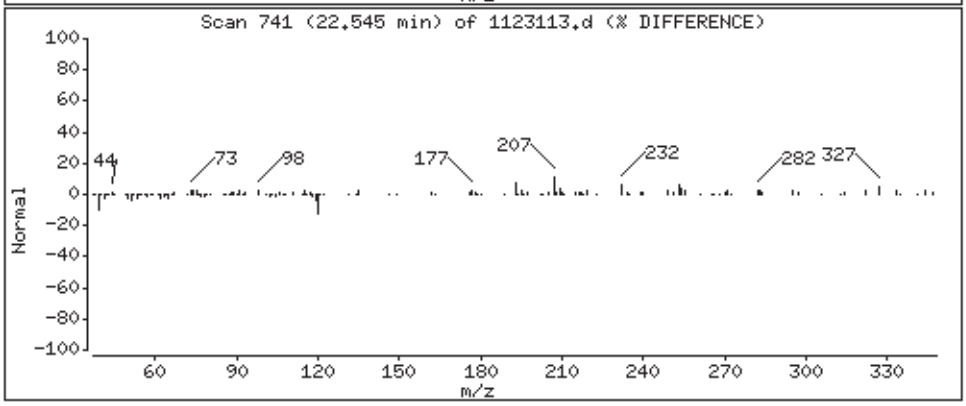












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712517-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.4	14	8.1	34
2-Propanol	3.4	17	8.4	42
Methylene Chloride	0.86	4.4	3.0	15
Toluene	0.86	1.0	3.2	4.0
Tetrachloroethene	0.86	0.92	5.8	6.3
m,p-Xylene	0.86	0.90	3.7	3.9
1,2,4-Trimethylbenzene	0.86	1.2	4.2	5.9

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712517-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123111**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**1.71**	**Date of Analysis:**	**12/31/07 05:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.86	Not Detected	4.2	Not Detected
Freon 114	0.86	Not Detected	6.0	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
Vinyl Chloride	0.86	Not Detected	2.2	Not Detected
1,3-Butadiene	0.86	Not Detected	1.9	Not Detected
Bromomethane	0.86	Not Detected	3.3	Not Detected
Chloroethane	0.86	Not Detected	2.2	Not Detected
Freon 11	0.86	Not Detected	4.8	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Freon 113	0.86	Not Detected	6.6	Not Detected
1,1-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Acetone	3.4	14	8.1	34
2-Propanol	3.4	17	8.4	42
Carbon Disulfide	0.86	Not Detected	2.7	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
Methylene Chloride	0.86	4.4	3.0	15
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Hexane	0.86	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.86	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
Chloroform	0.86	Not Detected	4.2	Not Detected
1,1,1-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Cyclohexane	0.86	Not Detected	2.9	Not Detected
Carbon Tetrachloride	0.86	Not Detected	5.4	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Benzene	0.86	Not Detected	2.7	Not Detected
1,2-Dichloroethane	0.86	Not Detected	3.5	Not Detected
Heptane	0.86	Not Detected	3.5	Not Detected
Trichloroethene	0.86	Not Detected	4.6	Not Detected
1,2-Dichloropropane	0.86	Not Detected	4.0	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
cis-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
Toluene	0.86	1.0	3.2	4.0
trans-1,3-Dichloropropene	0.86	Not Detected	3.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-02 (interior-east end)

Lab ID#: 0712517-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123111**	**Date of Collection: 12/19/07**	
Dil. Factor:	**1.71**	**Date of Analysis: 12/31/07 05:06 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.86	Not Detected	4.7	Not Detected
Tetrachloroethene	0.86	0.92	5.8	6.3
2-Hexanone	3.4	Not Detected	14	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
1,2-Dibromoethane (EDB)	0.86	Not Detected	6.6	Not Detected
Chlorobenzene	0.86	Not Detected	3.9	Not Detected
Ethyl Benzene	0.86	Not Detected	3.7	Not Detected
m,p-Xylene	0.86	0.90	3.7	3.9
o-Xylene	0.86	Not Detected	3.7	Not Detected
Styrene	0.86	Not Detected	3.6	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
1,1,2,2-Tetrachloroethane	0.86	Not Detected	5.9	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
1,3,5-Trimethylbenzene	0.86	Not Detected	4.2	Not Detected
1,2,4-Trimethylbenzene	0.86	1.2	4.2	5.9
1,3-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,4-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
alpha-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
1,2-Dichlorobenzene	0.86	Not Detected	5.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123111.d
Lab Smp Id: 0712517-02A
Inj Date : 31-DEC-2007 17:06
Operator : srs Inst ID: msd1.i
Smp Info : 100mL #33920
Misc Info : 6.5"Hg -> 5.0psi
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 04-Jan-2008 14:57 lover Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1
Dil Factor: 1.71000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	244425	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	184726			25.72- 125.72	75.58
14.389	14.389 (1.000)	49	267341			64.06- 164.06	109.38
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1045715	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	164197			0.00- 65.62	15.70
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	964783	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	497686			2.07- 102.07	51.59
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	406277	25.3263	25.326	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	195191			2.06- 102.06	48.04
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	954941	24.4749	24.475	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	100941			0.00- 60.40	10.57

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	659484			17.93- 117.93	69.06
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	620776	27.4145	27.414	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	711827			60.93- 160.93	114.67
21.633	21.633 (1.074)	176	604843			46.69- 146.69	97.43
45 Acetone					CAS #: 67-64-1		
11.015	10.988 (0.766)	58	51905	8.25010	14.108	80.00- 120.00	100.00
11.015	10.988 (0.766)	43	199068			314.99- 414.99	383.52
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	265288	10.1340	17.329	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	60165			0.00- 72.77	22.68
11.458	11.458 (0.796)	59	9821			0.00- 54.24	3.70
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	32494	2.58022	4.412	80.00- 120.00	100.00
11.872	11.872 (0.825)	84	26149			41.92- 141.92	80.47
11.872	11.872 (0.825)	51	8625			0.00- 80.99	26.54
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	36615	0.61872	1.058	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	23498			9.02- 109.02	64.17
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	15687	0.54103	0.9252	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	10828			16.55- 116.55	69.02
18.951	18.951 (0.941)	131	10637			15.03- 115.03	67.81
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	17863	0.52454	0.8970	80.00- 120.00	100.00
20.416	20.416 (1.014)	91	33721			160.89- 260.89	188.77
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	46681	0.70240	1.201	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	24398			0.00- 94.57	52.27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123111.d
Lab Smp Id: 0712517-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.5"Hg -> 5.0psi

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	244425	-21.28
95 1,4-Difluorobenze	1331171	798703	1863639	1045715	-21.44
123 Chlorobenzene-d5	1160929	696557	1625301	964783	-16.90

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 09-Jan-2008 12:11

Air Toxics Ltd.

RECOVERY REPORT

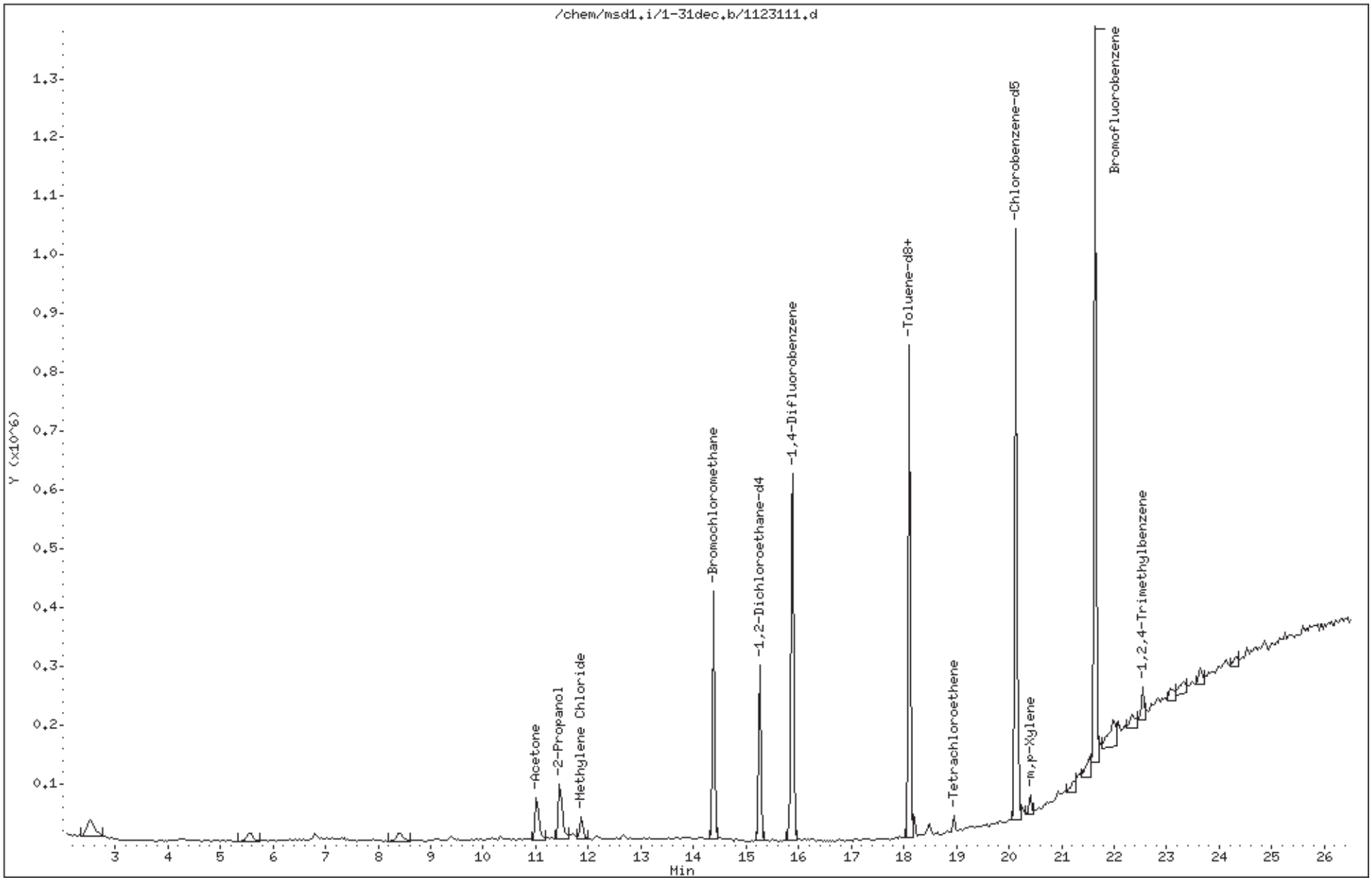
Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0712517-02A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 6.5"Hg -> 5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.326	101.31	70-130
$ 111 Toluene-d8	25.000	24.475	97.90	70-130
$ 136 Bromofluorobenzene	25.000	27.414	109.66	70-130

Data File: /chem/msd1.i/1-31dec.b/1123111.d
Date : 31-DEC-2007 17:06
Client ID:
Sample Info: 100mL #33920

Instrument: msd1.i
Operator: srs
Column diameter: 0.53

Column phase: RTx-624



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Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

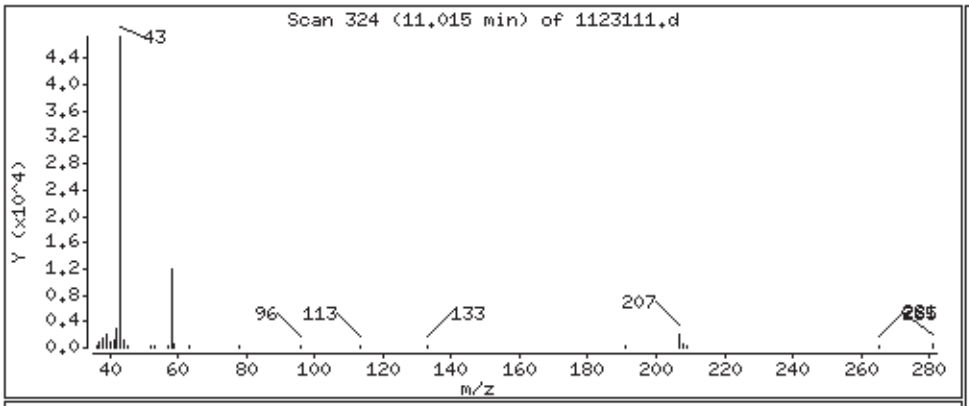
Operator: srs

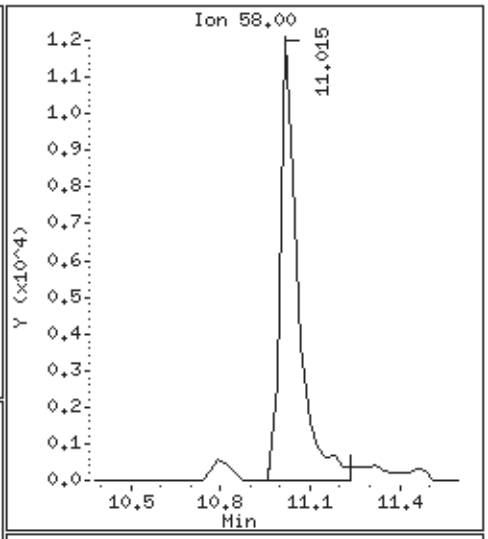
Column phase: RTx-624

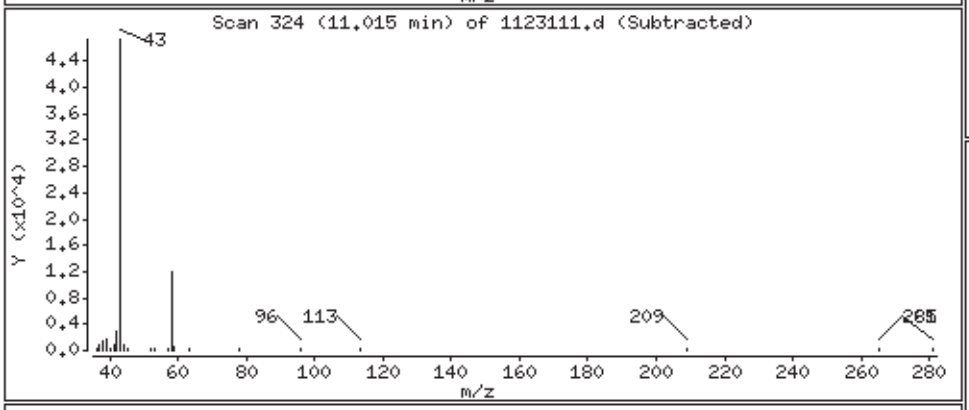
Column diameter: 0.53

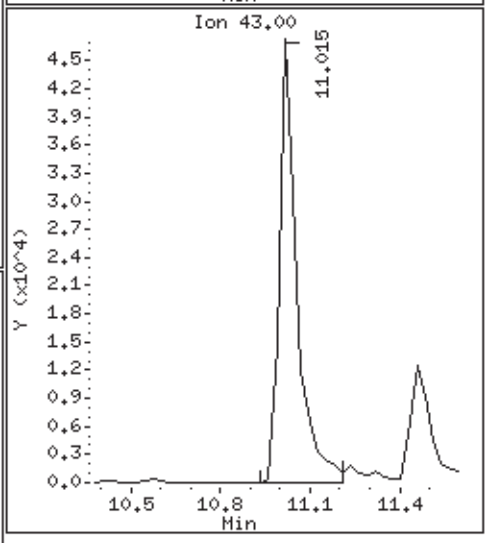
45 Acetone

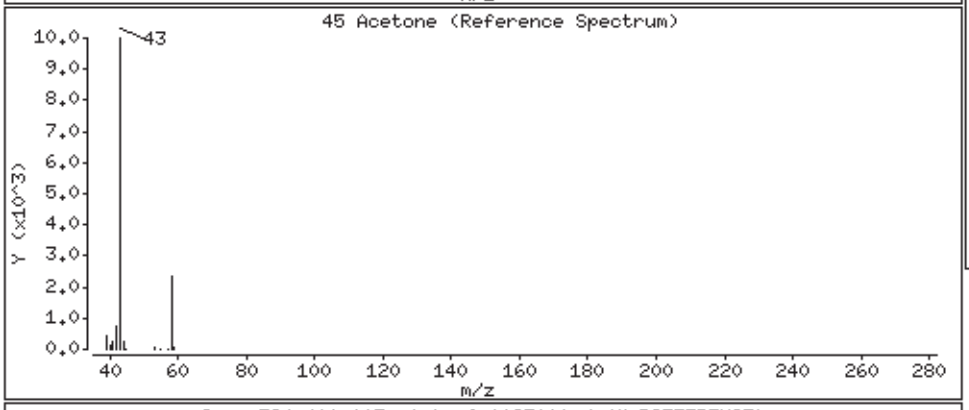
Concentration: 14.108 PPBV

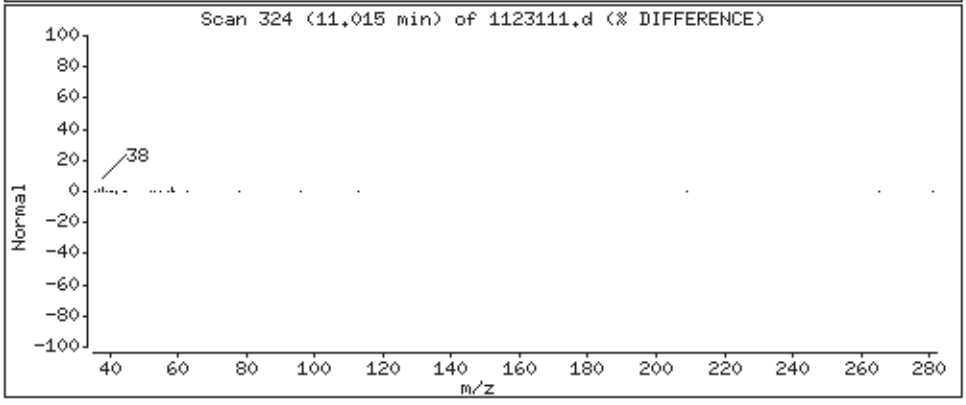












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

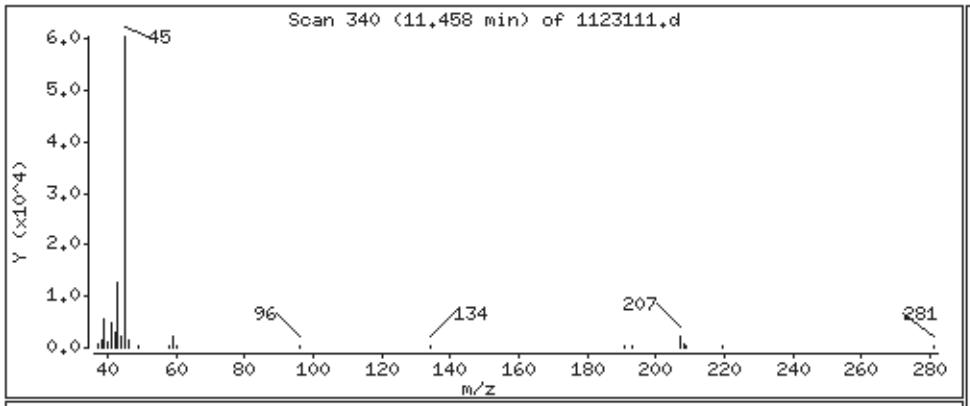
Operator: srs

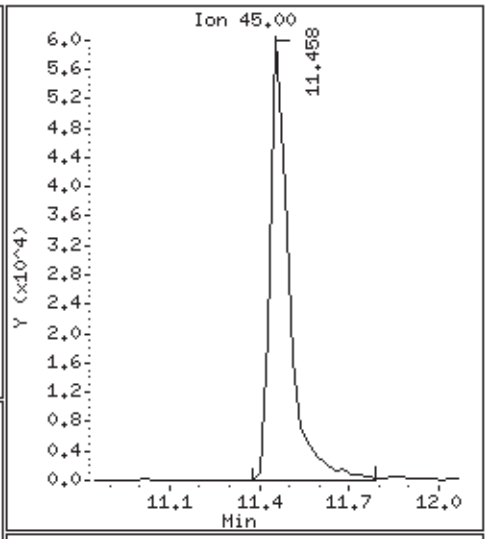
Column phase: RTx-624

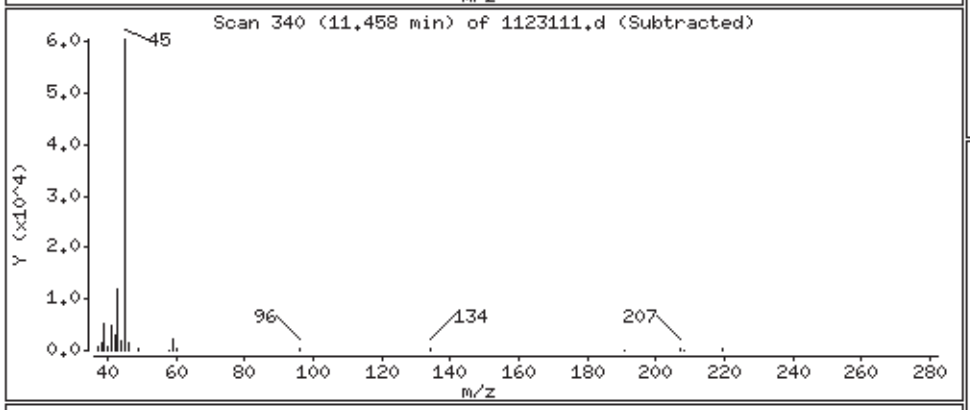
Column diameter: 0.53

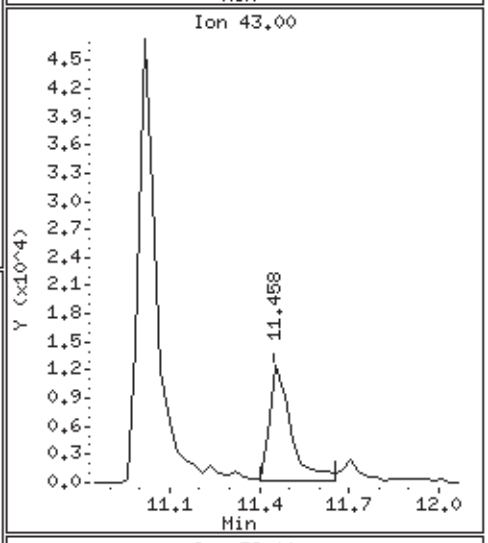
46 2-Propanol

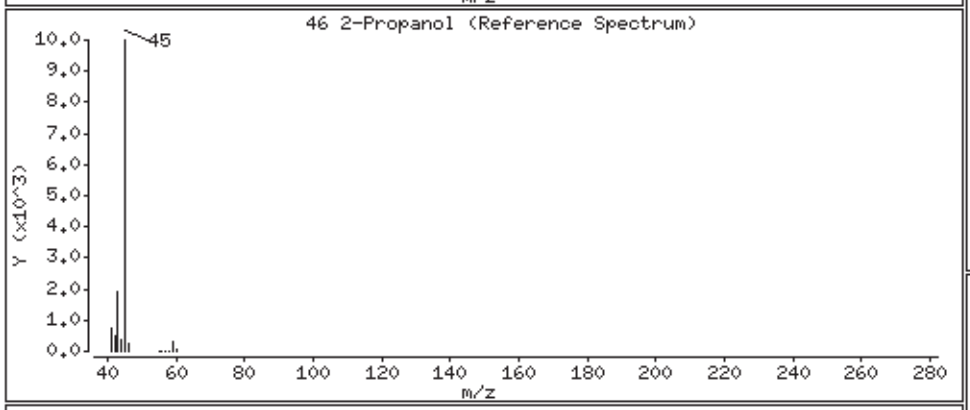
Concentration: 17.329 PPBV

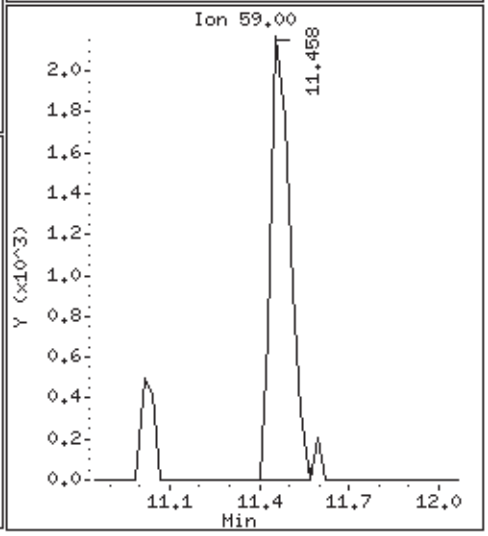


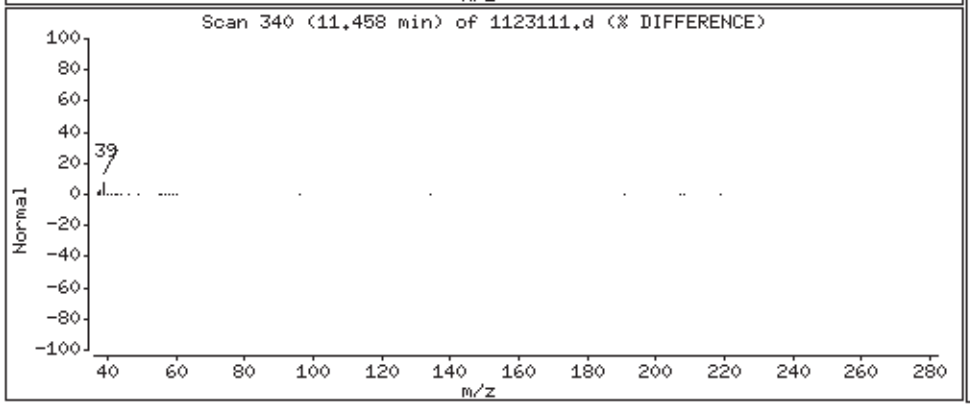












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

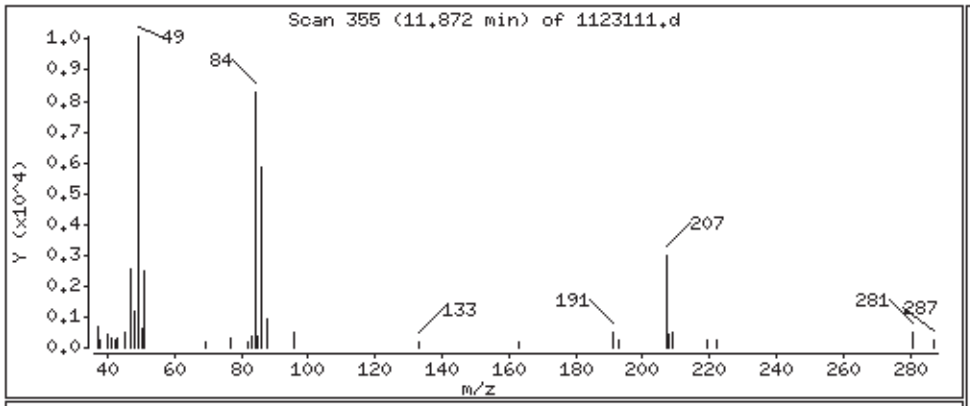
Operator: srs

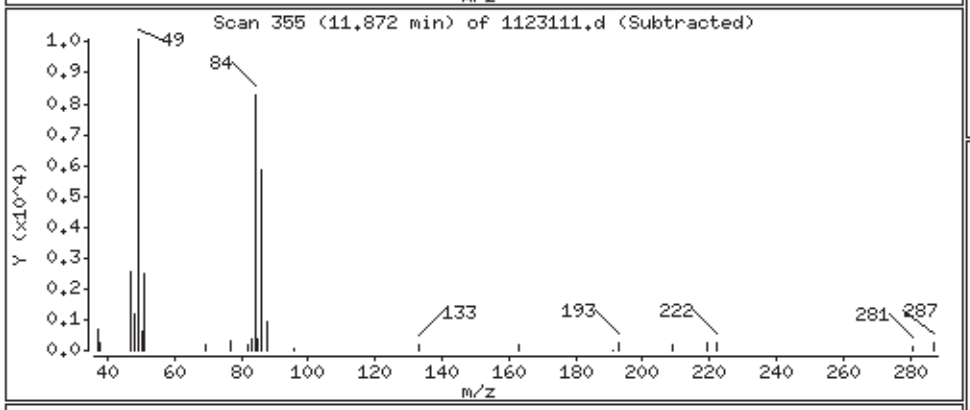
Column phase: RTx-624

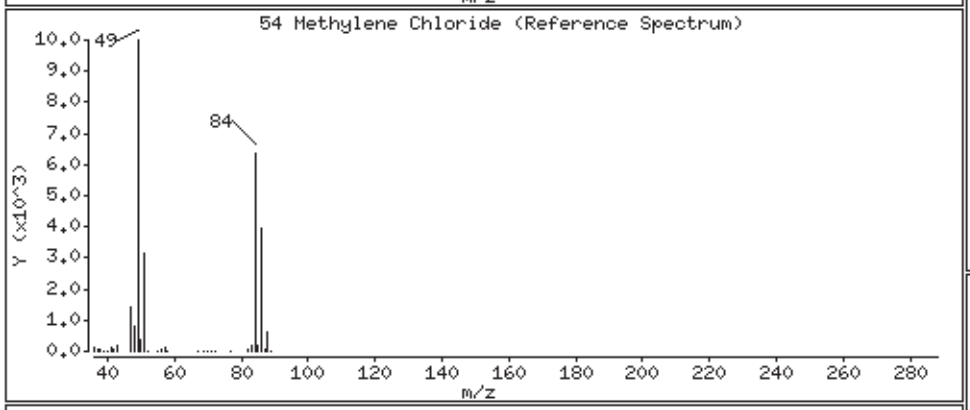
Column diameter: 0.53

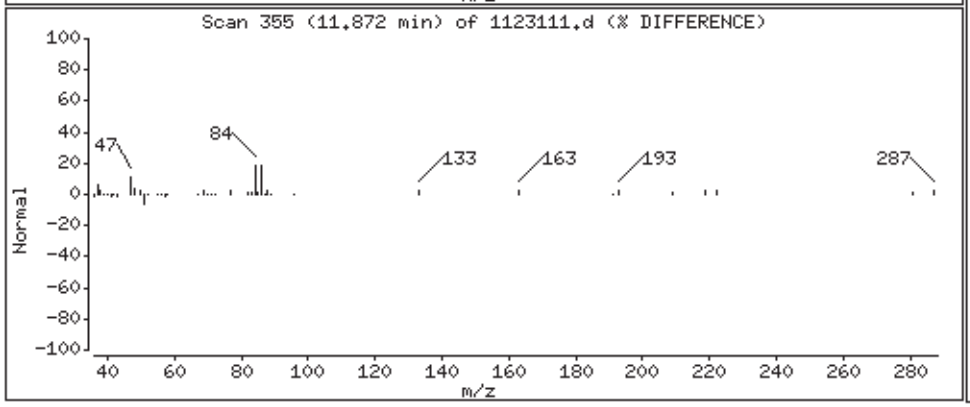
54 Methylene Chloride

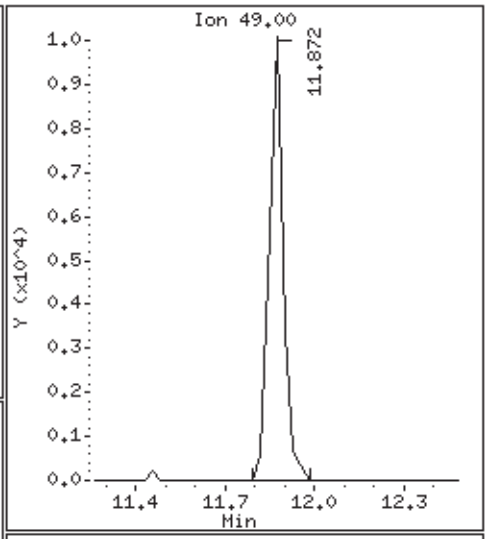
Concentration: 4.412 PPBV

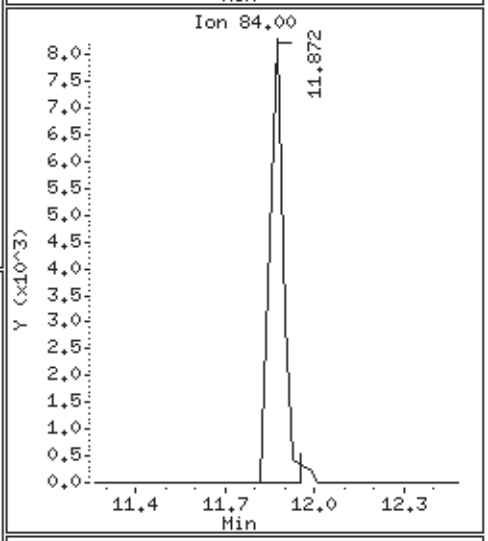


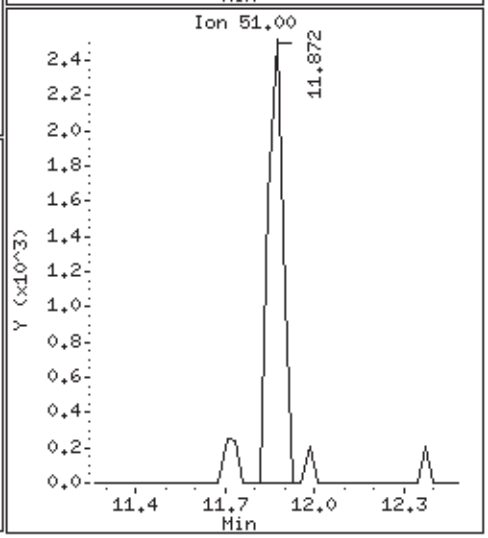












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

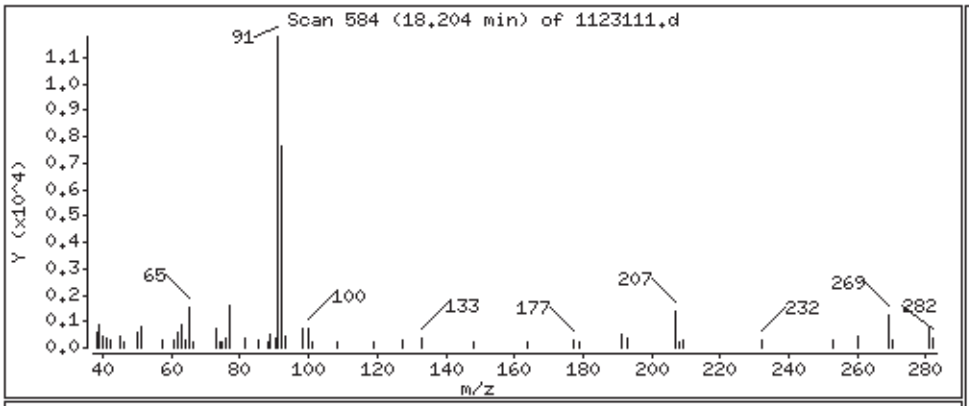
Operator: srs

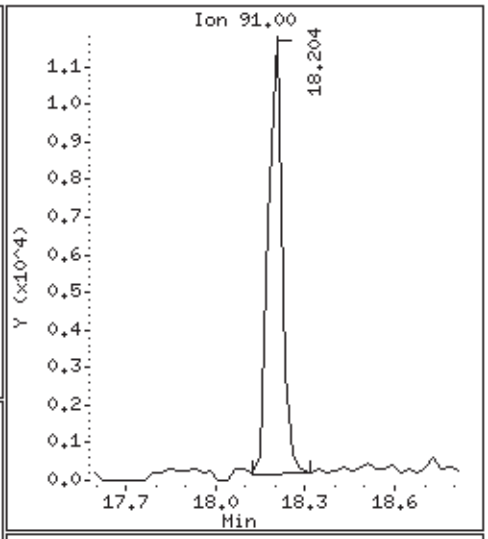
Column phase: RTx-624

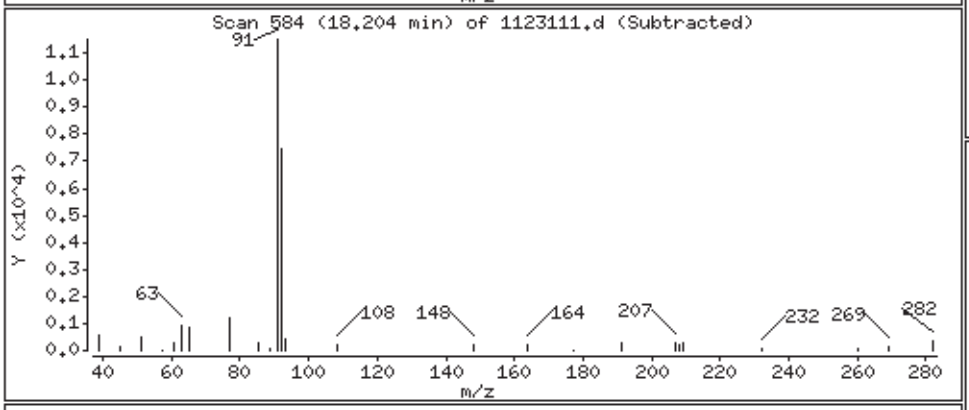
Column diameter: 0.53

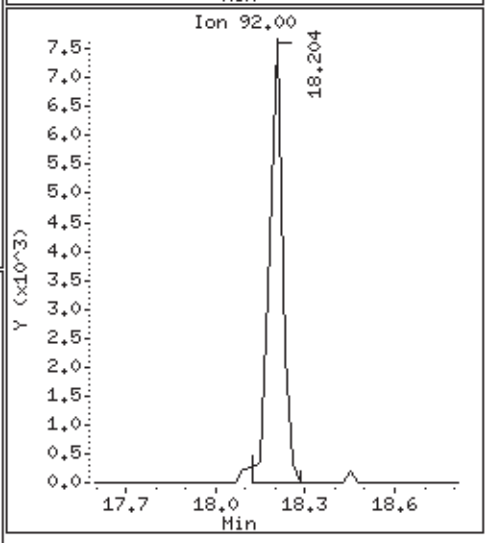
114 Toluene

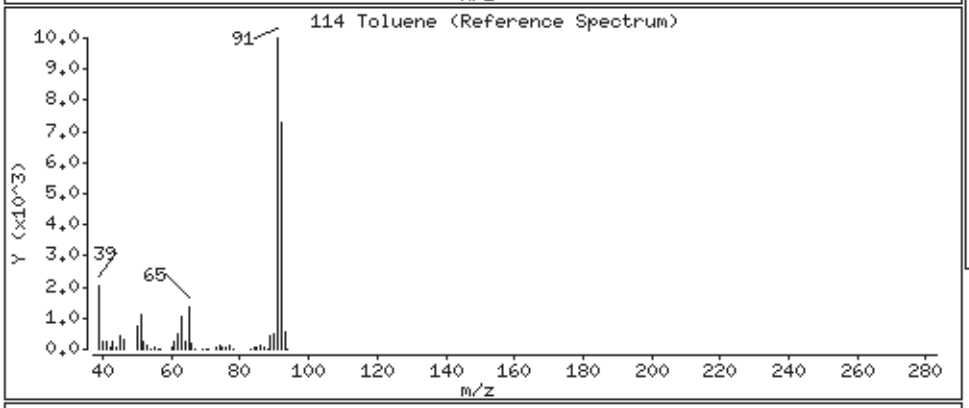
Concentration: 1.058 PPBV

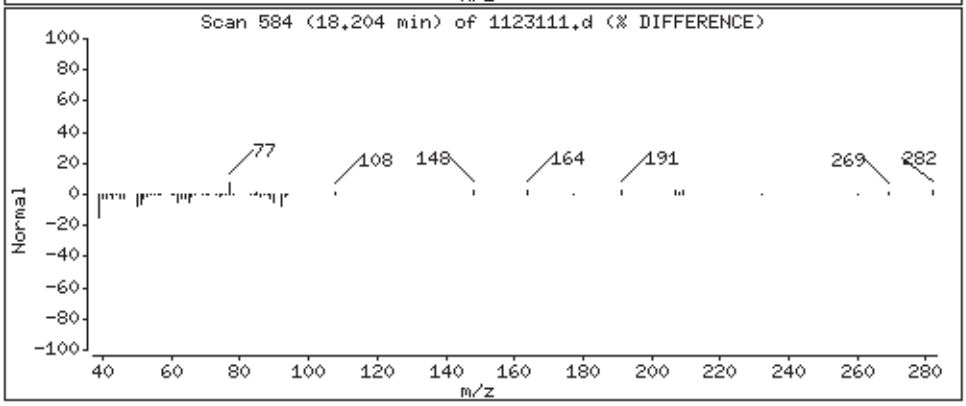












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

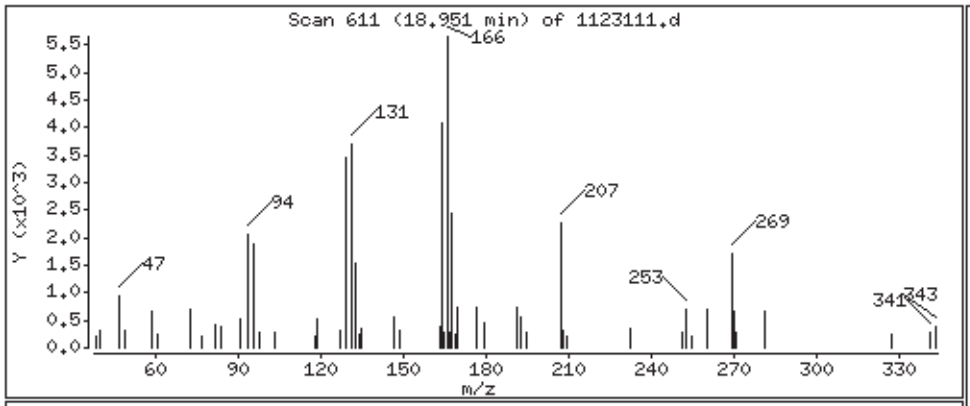
Operator: srs

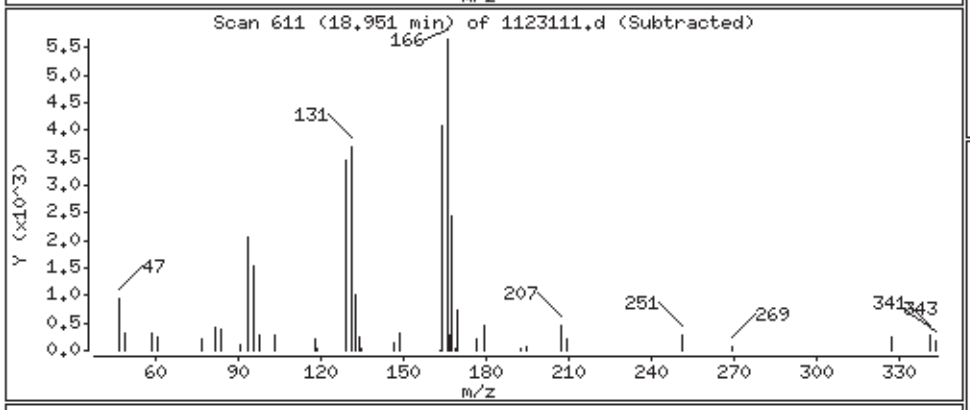
Column phase: RTx-624

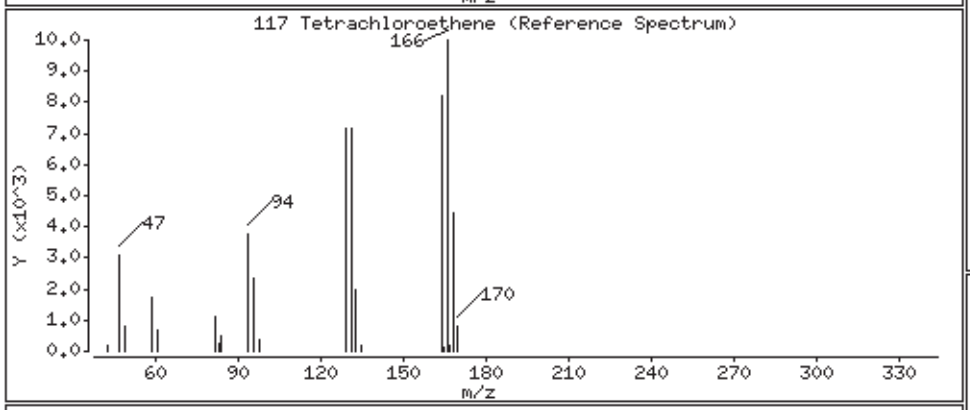
Column diameter: 0.53

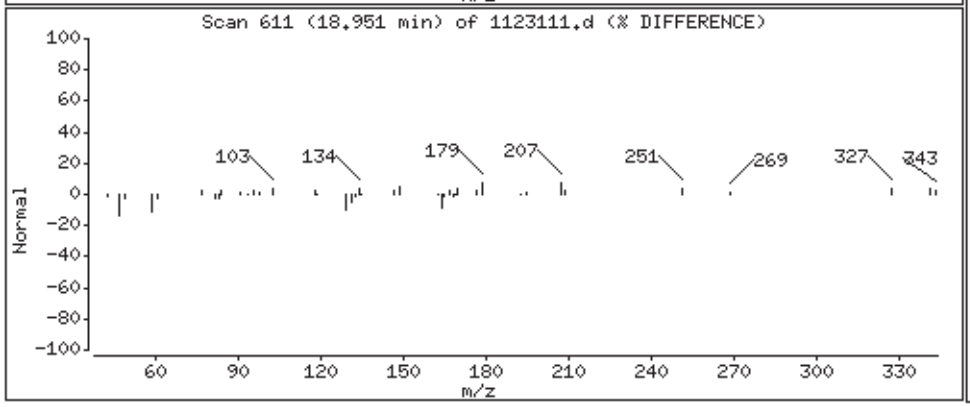
117 Tetrachloroethene

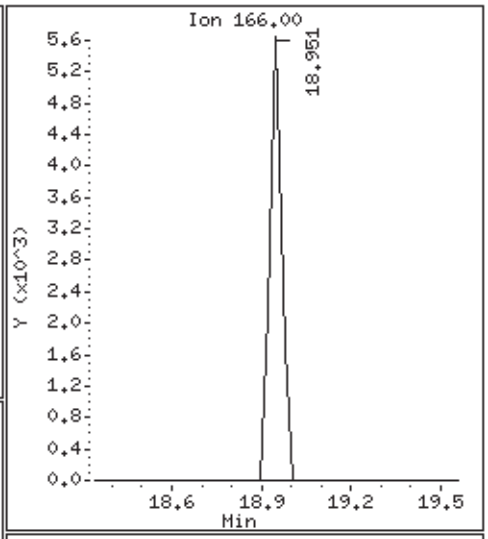
Concentration: 0.9252 PPBV

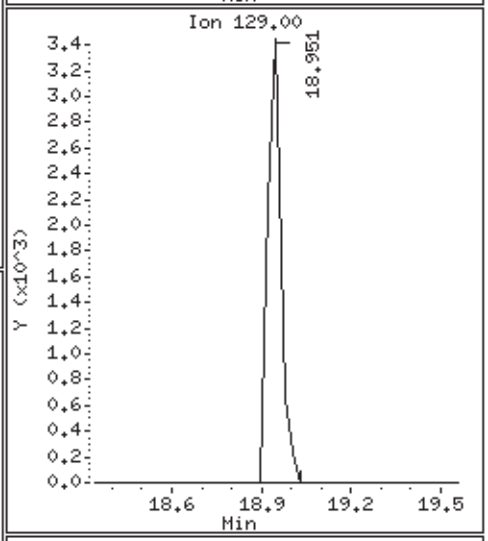


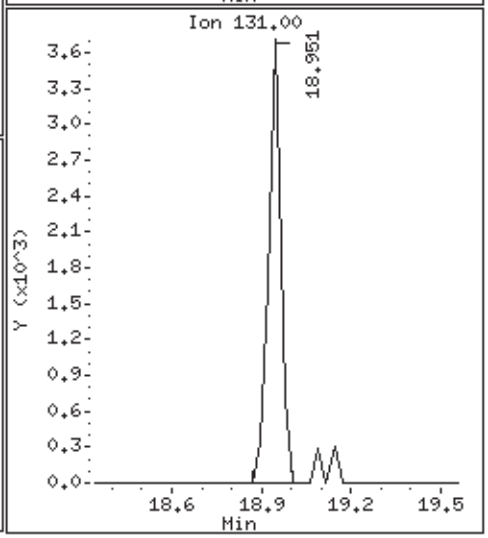












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

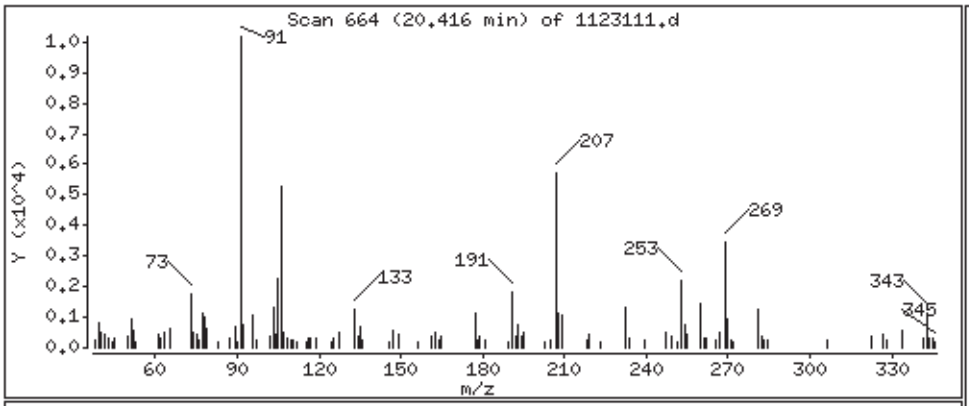
Operator: srs

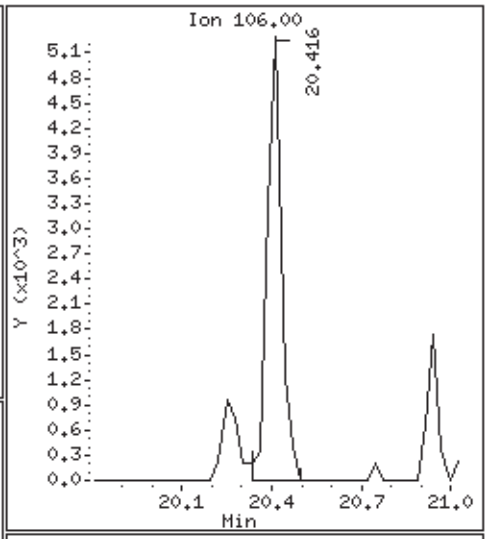
Column phase: RTx-624

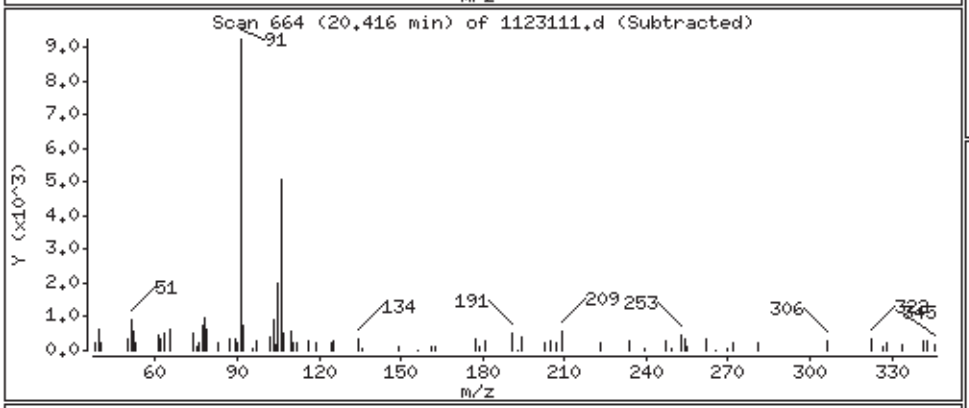
Column diameter: 0.53

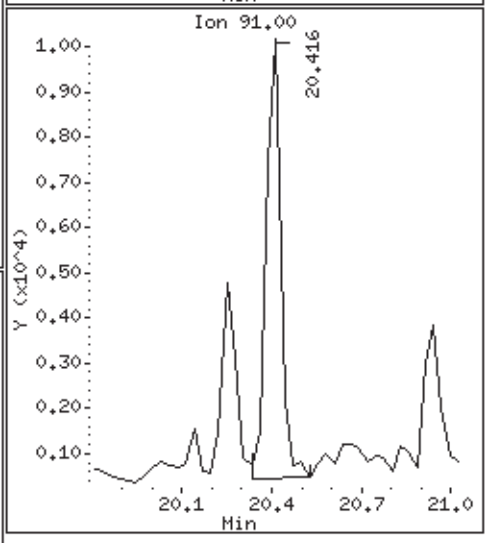
128 m,p-Xylene

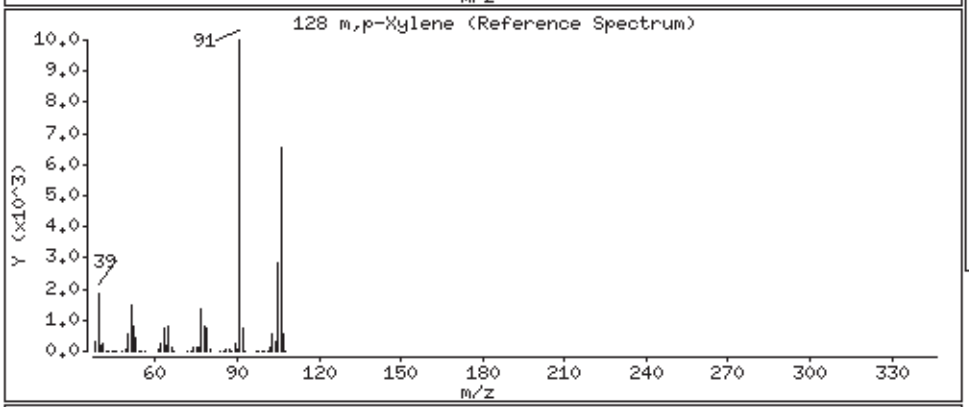
Concentration: 0.8970 PPBV

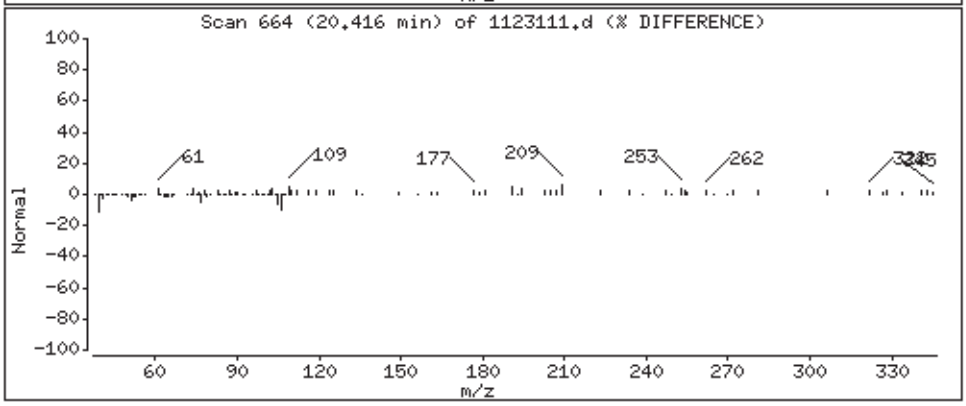












Data File: /chem/msd1.i/1-31dec.b/1123111.d

Date : 31-DEC-2007 17:06

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33920

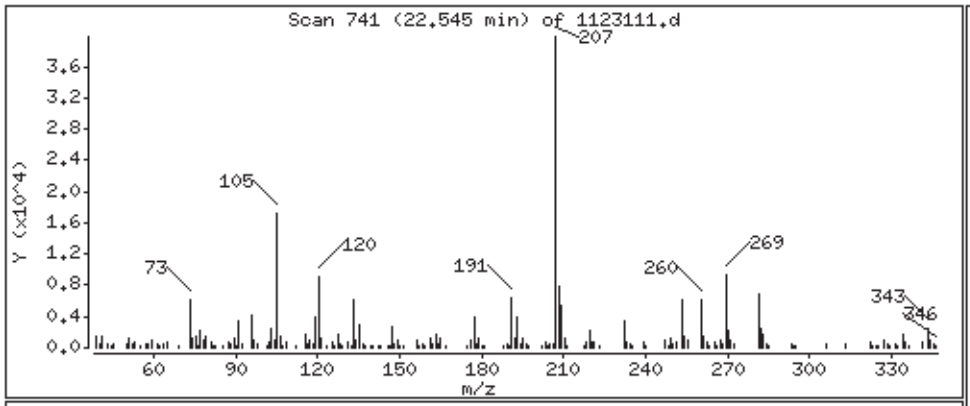
Operator: srs

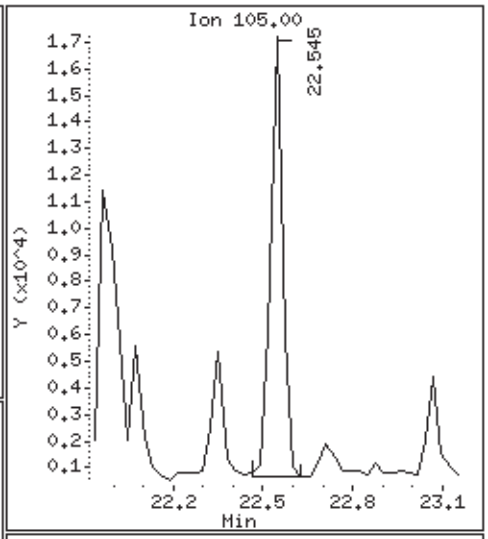
Column phase: RTx-624

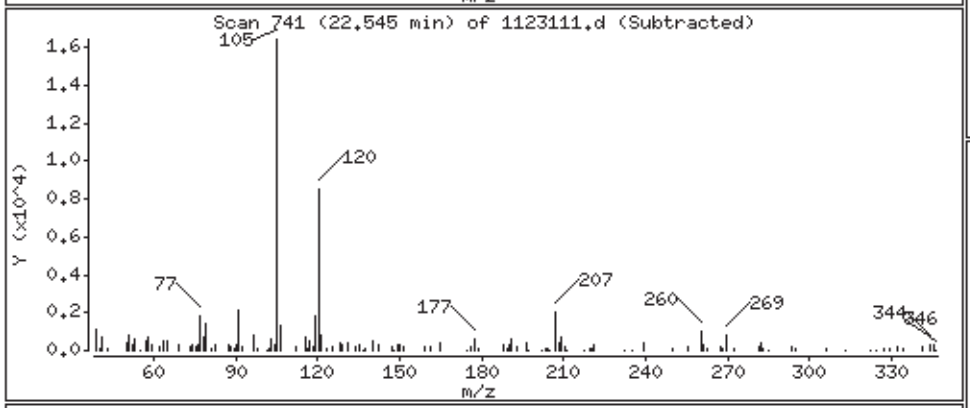
Column diameter: 0.53

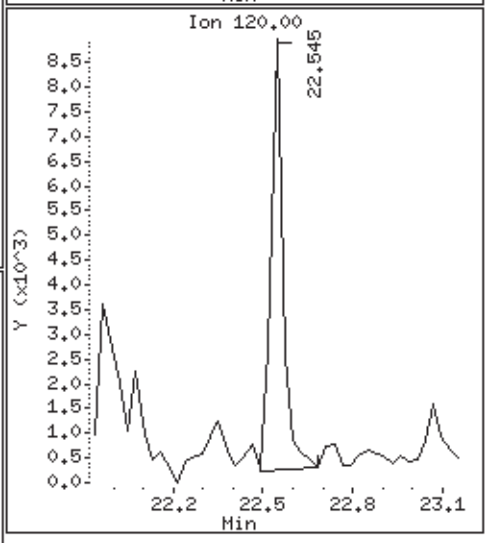
152 1,2,4-Trimethylbenzene

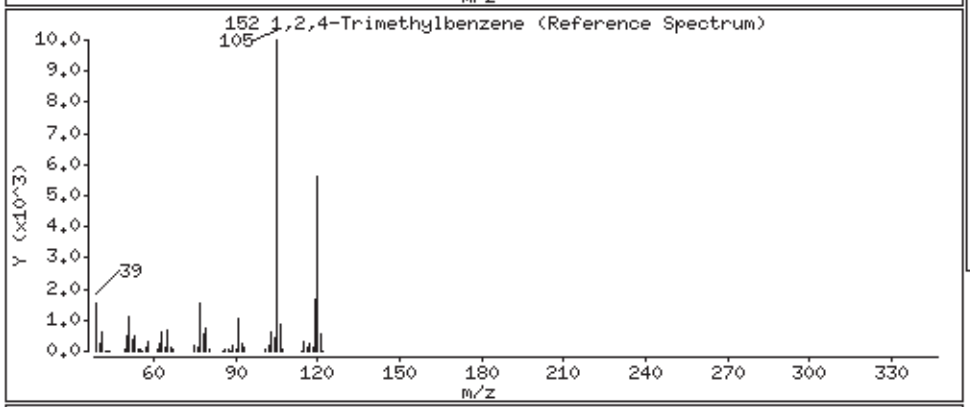
Concentration: 1.201 PPBV

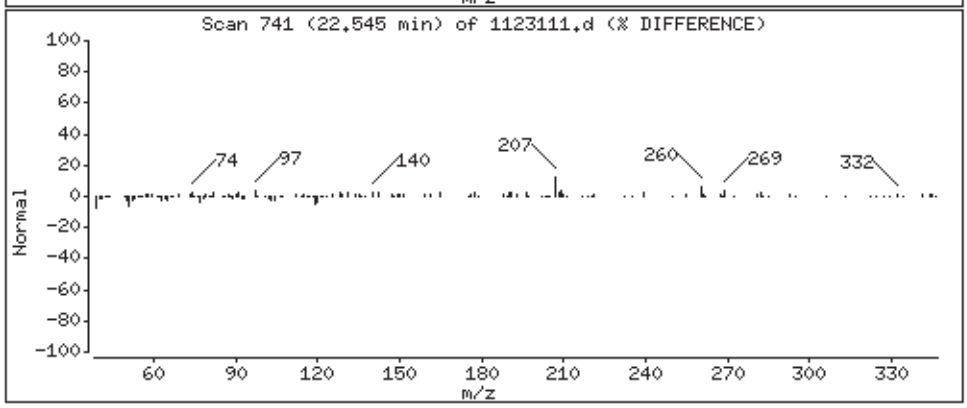












AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: A-03 (exterior)

Lab ID#: 0712517-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Methylene Chloride	1.1	6.8	3.9	24

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712517-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123112**	**Date of Collection:**	**12/19/07**
Dil. Factor:	**2.23**	**Date of Analysis:**	**12/31/07 05:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	Not Detected	5.5	Not Detected
Freon 114	1.1	Not Detected	7.8	Not Detected
Chloromethane	4.5	Not Detected	9.2	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
Freon 11	1.1	Not Detected	6.3	Not Detected
Ethanol	4.5	Not Detected	8.4	Not Detected
Freon 113	1.1	Not Detected	8.5	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.5	Not Detected	10	Not Detected
2-Propanol	4.5	Not Detected	11	Not Detected
Carbon Disulfide	1.1	Not Detected	3.5	Not Detected
3-Chloropropene	4.5	Not Detected	14	Not Detected
Methylene Chloride	1.1	6.8	3.9	24
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	Not Detected	3.3	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.3	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.0	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.2	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.5	Not Detected
Heptane	1.1	Not Detected	4.6	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.2	Not Detected
1,4-Dioxane	4.5	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.5	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.6	Not Detected
Toluene	1.1	Not Detected	4.2	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: A-03 (exterior)

Lab ID#: 0712517-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123112**	**Date of Collection: 12/19/07**	
Dil. Factor:	**2.23**	**Date of Analysis: 12/31/07 05:46 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.1	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected
2-Hexanone	4.5	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.5	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.6	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.5	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.5	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.8	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.7	Not Detected
1,2,4-Trichlorobenzene	4.5	Not Detected	33	Not Detected
Hexachlorobutadiene	4.5	Not Detected	48	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	111	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123112.d
Lab Smp Id: 0712517-03A
Inj Date : 31-DEC-2007 17:46
Operator : srs Inst ID: msd1.i
Smp Info : 100mL #33546
Misc Info : 12.0"Hg -> 5.0psi
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 04-Jan-2008 14:57 lover Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1
Dil Factor: 2.23000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	239919	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	184956			25.72- 125.72	77.09
14.389	14.389 (1.000)	49	258371			64.06- 164.06	107.69
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1032539	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	163180			0.00- 65.62	15.80
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	953991	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	495415			2.07- 102.07	51.93
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	412380	26.1896	26.190	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	197462			2.06- 102.06	47.88
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	935911	24.2933	24.293	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	100087			0.00- 60.40	10.69

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)								
18.094	18.094	(1.139)	100	642686			17.93- 117.93	68.67
$ 136 Bromofluorobenzene						CAS #: 460-00-4		
21.633	21.633	(1.074)	174	621539	27.7587	27.759	80.00- 120.00	100.00
21.633	21.633	(1.074)	95	703523			60.93- 160.93	113.19
21.633	21.633	(1.074)	176	611346			46.69- 146.69	98.36
54 Methylene Chloride						CAS #: 75-09-2		
11.872	11.872	(0.825)	49	37825	3.05994	6.824	80.00- 120.00	100.00
11.872	11.872	(0.825)	84	36667			41.92- 141.92	96.94
11.872	11.872	(0.825)	51	12946			0.00- 80.99	34.23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123112.d
Lab Smp Id: 0712517-03A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 12.0"Hg -> 5.0psi

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	239919	-22.73
95 1,4-Difluorobenze	1331171	798703	1863639	1032539	-22.43
123 Chlorobenzene-d5	1160929	696557	1625301	953991	-17.83

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 09-Jan-2008 12:12

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0712517-03A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 12.0"Hg -> 5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.190	104.76	70-130
$ 111 Toluene-d8	25.000	24.293	97.17	70-130
$ 136 Bromofluorobenzene	25.000	27.759	111.03	70-130

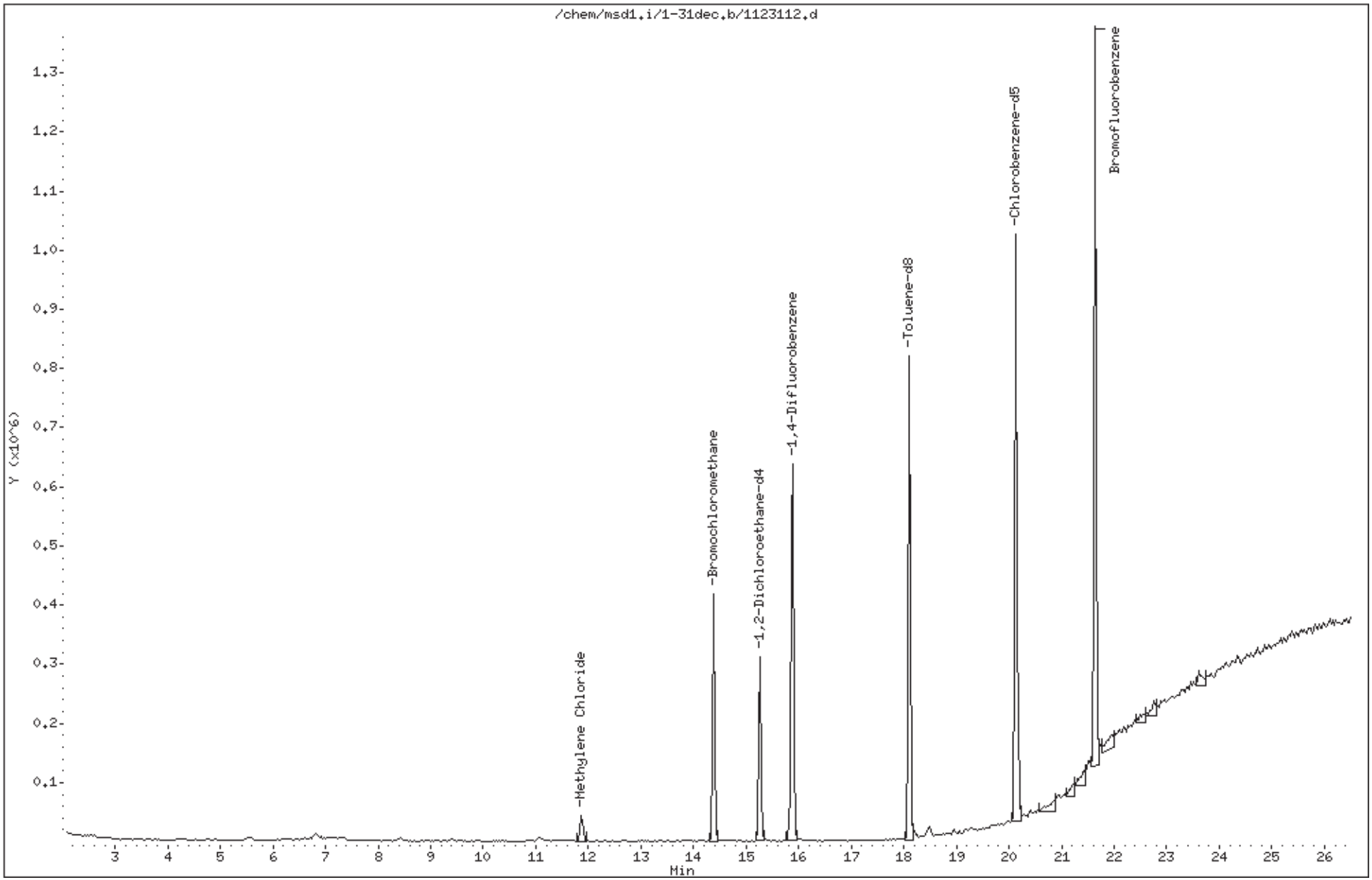
0055

Data File: /chem/msd1.i/1-31dec.b/1123112.d
Date : 31-DEC-2007 17:46
Client ID:
Sample Info: 100mL #33546

Instrument: msd1.i

Operator: srs
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msd1.i/1-31dec.b/1123112.d

Date : 31-DEC-2007 17:46

Client ID:

Instrument: msd1.i

Sample Info: 100mL #33546

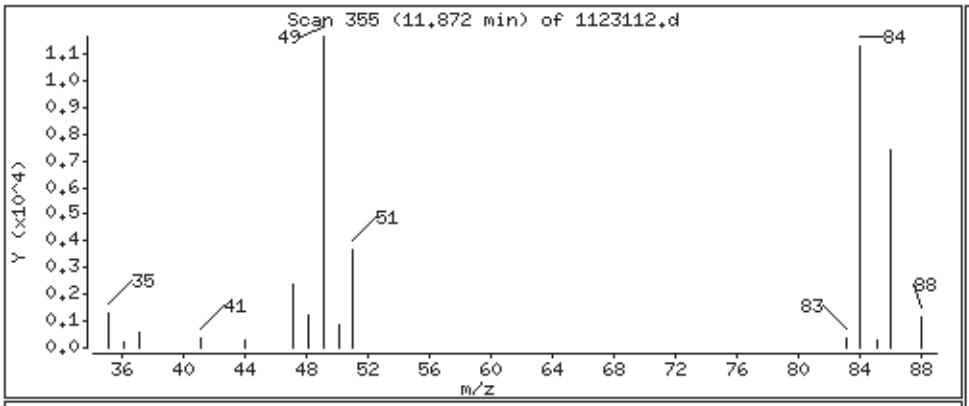
Operator: srs

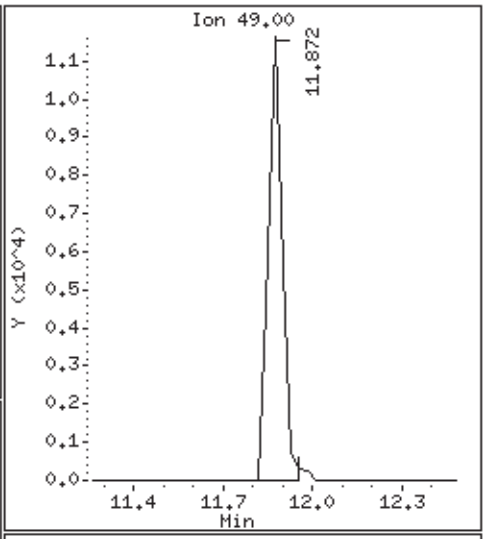
Column phase: RTx-624

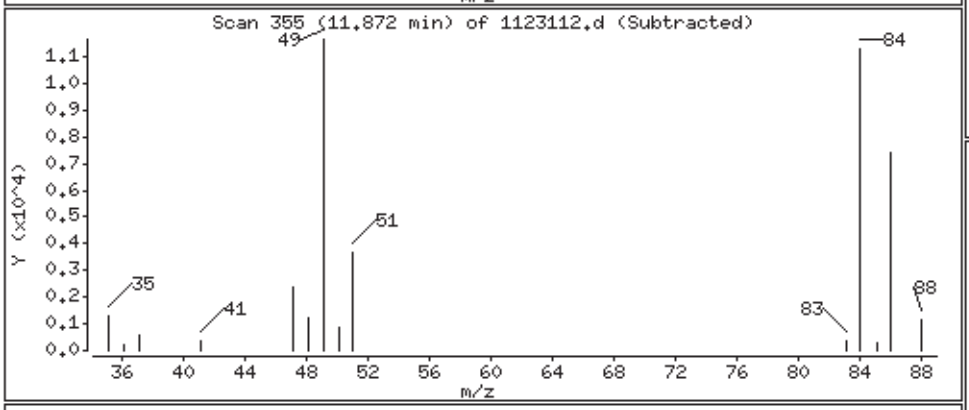
Column diameter: 0.53

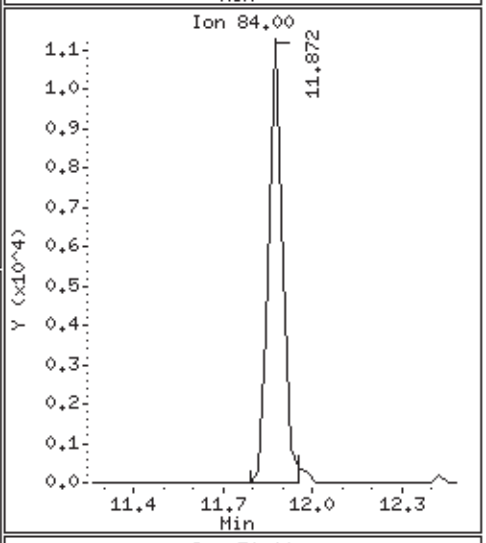
54 Methylene Chloride

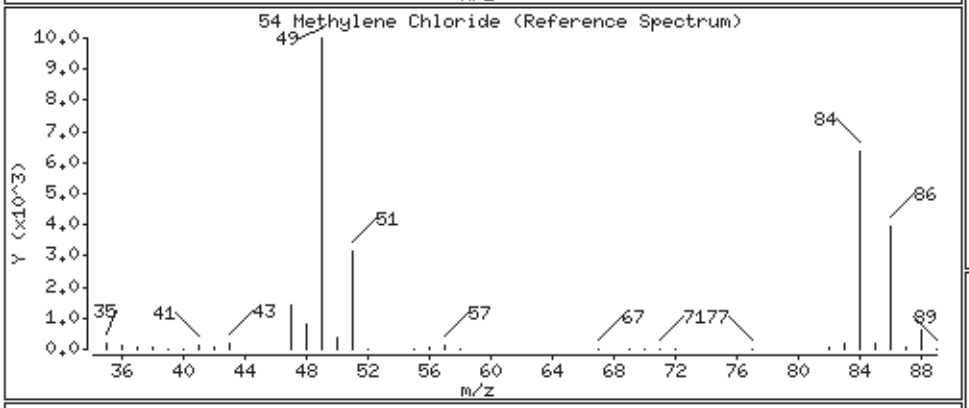
Concentration: 6.824 PPBV

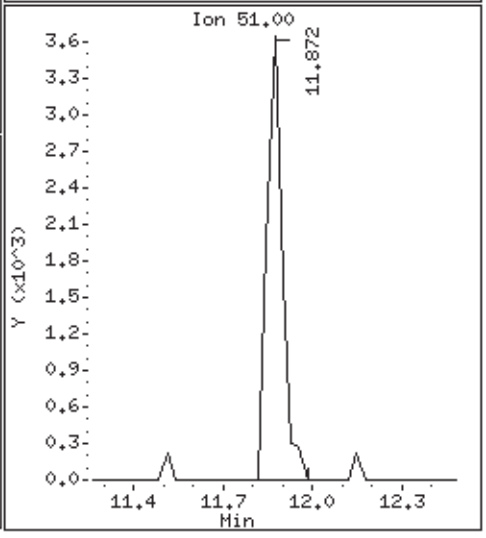


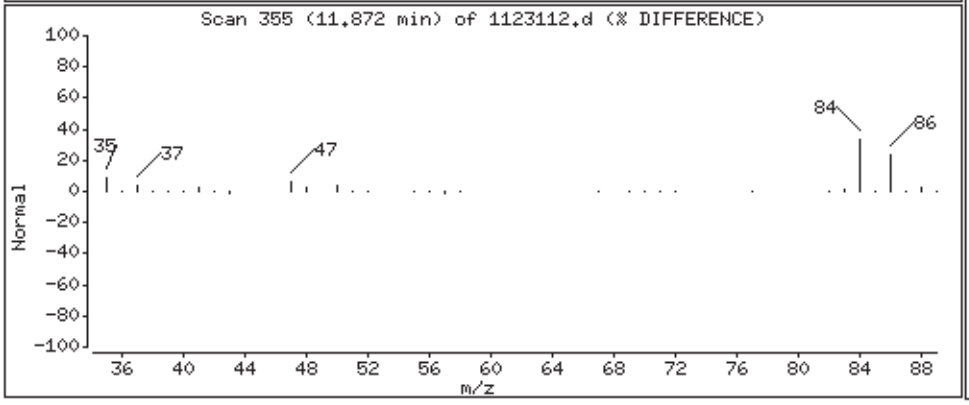












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712517-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 11:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0712517-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123106**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 11:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	110	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123106.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 31-DEC-2007 11:27
Operator : sjr Inst ID: msd1.i
Smp Info : 100mL #12009
Misc Info : Humid
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 31-Dec-2007 10:54 sruth Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04+Fr152a.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
* 79 Bromochloromethane					CAS #: 74-97-5		
14.389	14.389 (1.000)	130	266727	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	210444			25.72- 125.72	78.90
14.389	14.389 (1.000)	49	294331			64.06- 164.06	110.35
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.882	15.882 (1.000)	114	1182249	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	191957			0.00- 65.62	16.24
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	1068064	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	558499			2.07- 102.07	52.29
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.273	15.273 (1.061)	65	471930	26.9591	26.959	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	225164			2.06- 102.06	47.71
$ 111 Toluene-d8					CAS #: 2037-26-5		
18.094	18.094 (1.139)	98	1076141	24.3960	24.396	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	115320			0.00- 60.40	10.72

RT	EXP RT	(REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)								
18.094	18.094	(1.139)	100	719314			17.93- 117.93	66.84
$ 136 Bromofluorobenzene						CAS #: 460-00-4		
21.633	21.633	(1.074)	174	688189	27.4527	27.453	80.00- 120.00	100.00
21.633	21.633	(1.074)	95	780340			60.93- 160.93	113.39
21.633	21.633	(1.074)	176	667704			46.69- 146.69	97.02

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123106.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: Humid

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	266727	-14.10
95 1,4-Difluorobenze	1331171	798703	1863639	1182249	-11.19
123 Chlorobenzene-d5	1160929	696557	1625301	1068064	-8.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 31-Dec-2007 12:15

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04+Fr152a.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: Humid

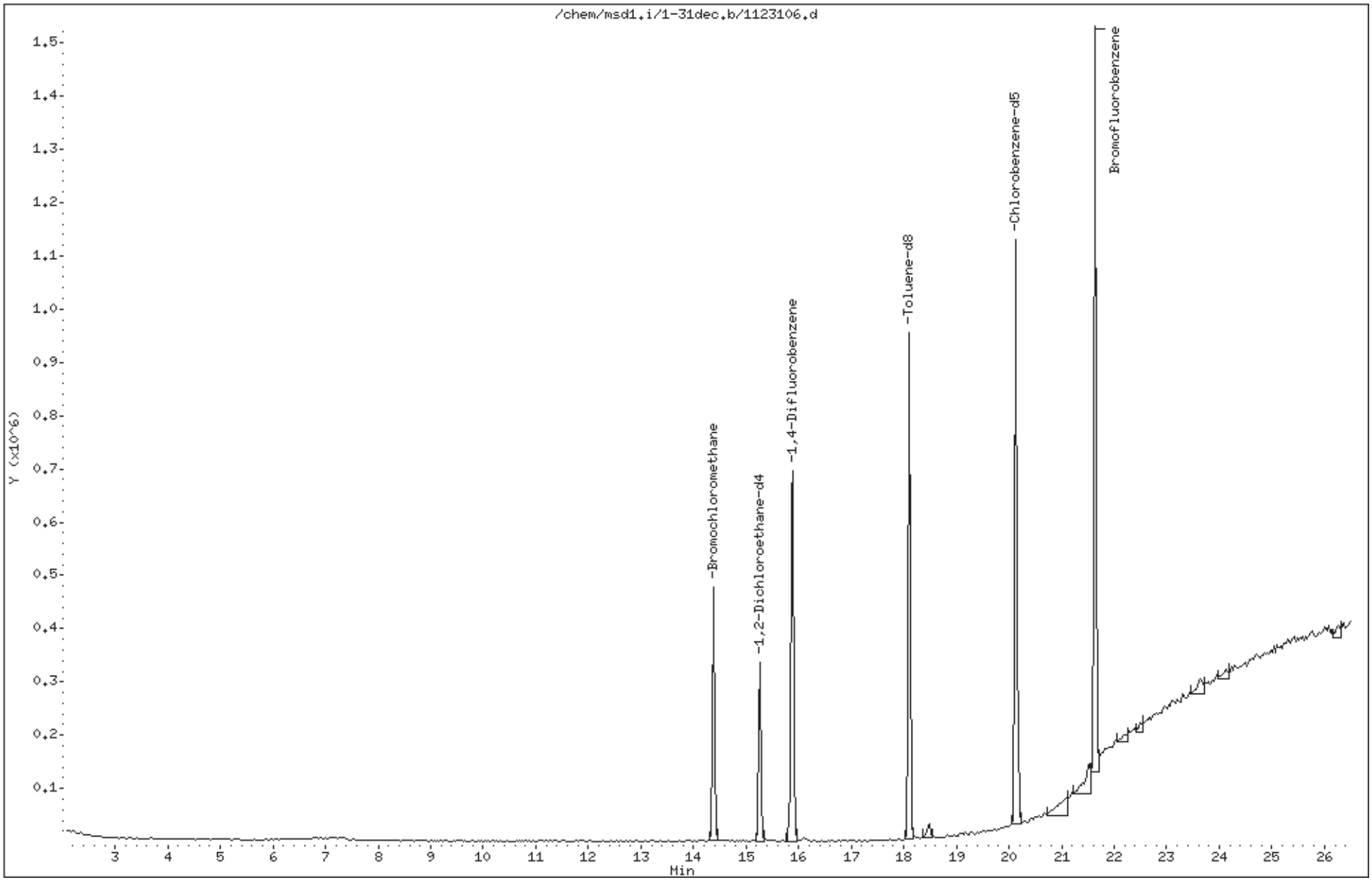
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.959	107.84	70-130
$ 111 Toluene-d8	25.000	24.396	97.58	70-130
$ 136 Bromofluorobenzene	25.000	27.453	109.81	70-130

0064

Data File: /chem/msd1.i/1-31dec.b/1123106.d
Date : 31-DEC-2007 11:27
Client ID: Lab Blank
Sample Info: 100mL #12009

Instrument: msd1.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0712517

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	A-01 (interior-west end)	108		94		112				0
02	A-01 (interior-west end) Lab Duplicate	108		96		111				0
03	A-02 (interior-east end)	101		98		110				0
04	A-03 (exterior)	105		97		111				0
05	Lab Blank	108		98		110				0
06	CCV	103		97		112				0
07	LCS	104		98		110				0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

1,2-Dichloroethane-d4 70 - 130
Toluene-d8 70 - 130
4-Bromofluorobenzene 70 - 130

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD | SDG No: 0712517

Lab File ID: 1123103.d | Date Analyzed: 12/31/2007

Instrument ID: msd1.i | Time Analyzed: 08:17 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1160929		20.14		1331171		15.88		310500		14.39	
	UPPER LIMIT	1625301		20.47		1863639		16.21		434700		14.72	
	LOWER LIMIT	696557		19.81		798703		15.55		186300		14.06	
	CLIENT SAMPLE NO												
01	A-01 (interior-west end)	981847		20.14		1087854		15.88		243053		14.39	
02	A-01 (interior-west end) Lab Duplicate	972776		20.14		1060254		15.88		239290		14.39	
03	A-02 (interior-east end)	964783		20.14		1045715		15.88		244425		14.39	
04	A-03 (exterior)	953991		20.14		1032539		15.88		239919		14.39	
05	Lab Blank	1068064		20.14		1182249		15.88		266727		14.39	
06	CCV	1160929		20.14		1331171		15.88		310500		14.39	
07	LCS	1162731		20.14		1300232		15.88		296566		14.39	
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

'Area Upper Limit=+40% of internal standard area'

'Area Lower Limit=-40% of internal standard area'

RT Upper Limit=+0.33 minutes of internal standard RT

RT Lower Limit=-0.33 minutes of internal standard RT

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: 1123113.d & 1123110.d

Lab Sample ID: 01A & 01AA Dilution: 1.68 & 1.68

Client Sample ID: & Date Analyzed: 12/31/07 & 12/31/07

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	1.132		0.9981		12
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	U	ND	U	0
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	16.568		15.912		4.0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	13.433		13.085		2.6
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
Lab File ID: 1123113.d & 1123110.d
Lab Sample ID: 01A & 01AA
Dilution: 1.68 & 1.68
Client Sample ID: &
Date Analyzed: 12/31/07 & 12/31/07

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
142-82-5	Heptane	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
110-54-3	Hexane	ND	U	ND	U	0
108-38-3	m,p-Xylene	ND	U	ND	U	0
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0
75-09-2	Methylene Chloride	7.052		7.004		0.68
95-47-6	o-Xylene	ND	U	ND	U	0
103-65-1	Propylbenzene	ND	U	ND	U	0
100-42-5	Styrene	ND	U	ND	U	0
127-18-4	Tetrachloroethene	ND	U	0.8915		-->200<--
109-99-9	Tetrahydrofuran	ND	U	ND	U	0
108-88-3	Toluene	1.034		0.9565		7.8
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0
79-01-6	Trichloroethene	ND	U	ND	U	0
75-01-4	Vinyl Chloride	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd1.i/1-24nov.b/1112402.d
Level 2: /chem/msd1.i/1-24nov.b/1112403.d
Level 3: /chem/msd1.i/1-12dec.b/1121208.d
Level 4: /chem/msd1.i/1-25nov.b/1112503.d
Level 5: /chem/msd1.i/1-12dec.b/1121209.d
Level 6: /chem/msd1.i/1-24nov.b/1112407.d
Level 7: /chem/msd1.i/1-12dec.b/1121210.d

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
9 Freon 134a	+++++	+++++	1.12502	+++++	1.35667	+++++	1.30460	1.26210	9.629
10 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
12 Propylene	+++++	+++++	1.07506	1.00654	1.16046	1.02678	1.00431	1.05463	6.225
13 Freon 152a	+++++	+++++	0.90983	+++++	0.99315	+++++	0.97852	0.96050	4.632
14 Dichlorodifluoromethane/Fr12	+++++	5.29505	5.06197	4.39567	5.20102	4.59499	4.43255	4.83021	8.331
15 Freon 22	+++++	+++++	2.05565	+++++	2.40214	+++++	2.35412	2.27064	8.268
16 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 Freon 114	+++++	3.75554	3.46203	3.25970	3.79004	3.42774	3.29523	3.49838	6.465

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Freon142b	+++++	+++++	2.83402	+++++	3.69485	+++++	3.58929	3.37272	13.921
20 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
21 Chloromethane	+++++	+++++	1.44434	1.13812	1.34715	1.22236	1.19426	1.26924	9.789
22 Butane	+++++	+++++	0.37897	0.29515	0.31918	0.29776	0.30381	0.31898	10.913
23 Vinyl Chloride	+++++	2.16982	1.53207	1.41645	1.59052	1.47399	1.43558	1.60307	17.775
24 1,3-Butadiene	+++++	1.18337	0.98228	1.03599	1.16657	1.07088	1.11911	1.09303	7.117
25 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Bromomethane	+++++	1.00294	1.07671	1.03735	1.27607	1.15521	1.15026	1.11642	8.853
27 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Chloroethane	+++++	0.81104	0.73803	0.69660	0.84415	0.77253	0.74777	0.76835	6.905
29 Isopentane	+++++	+++++	1.58608	1.31584	1.48491	1.35518	1.34714	1.41783	8.052
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Dichlorofluoromethane/Fr21	+++++	+++++	1.88174	+++++	2.48501	+++++	2.39837	2.25504	14.464
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Trichlorofluoromethane/Fr11	+++++	4.97143	4.31019	4.42566	5.12352	4.57348	4.47181	4.64602	7.013
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 Ethanol	+++++	+++++	0.51882	0.45138	0.50923	0.50471	0.51542	0.49991	5.536
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	1.09435	+++++	1.53685	+++++	1.45946	1.36355	17.332
41 Freon123	+++++	+++++	1.72581	+++++	2.32636	+++++	2.26974	2.10730	15.735
42 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 Freon 113	+++++	2.41427	1.90568	2.15480	2.40850	2.23105	2.22507	2.22323	8.449
44 1,1-Dichloroethene	+++++	2.71758	2.31117	2.34591	2.54824	2.27041	2.20206	2.39923	8.117
45 Acetone	+++++	+++++	0.57042	0.64845	0.68468	0.65055	0.66336	0.64349	6.731
46 2-Propanol	+++++	+++++	1.76186	2.50828	3.05233	2.96426	3.10076	2.67750	21.036
47 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
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Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
48 Carbon Disulfide	+++++	5.06018	3.53362	3.86456	4.31386	4.08752	4.18737	4.17452	12.301
49 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 3-Chloropropene	+++++	+++++	0.28876	0.40788	0.56131	0.57534	0.62098	0.49085	28.223
51 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
52 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 Methylene Chloride	+++++	1.51434	1.14541	1.18981	1.35848	1.26500	1.25541	1.28808	10.286
55 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 tert-Butyl-Alcohol	+++++	+++++	0.59815	+++++	0.69549	+++++	0.77330	0.68898	12.737

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2007 17:43
End Cal Date : 12-DEC-2007 16:13
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD	
58 MTBE	+++++	2.41132	1.80304	1.97929	2.59593	2.53402	2.50145	2.30418	14.329	
59 trans-1,2-Dichloroethene	+++++	2.00264	1.33269	1.44357	1.64068	1.55458	1.55072	1.58748	14.454	
60 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
61 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
62 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
63 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
64 Hexane	+++++	1.97851	1.56036	1.73288	2.02497	1.87268	1.89439	1.84396	9.299	
65 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
66 Isopropyl ether	+++++	+++++	2.32420	+++++	3.78994	+++++	3.94703	3.35372	26.688	
67 Vinyl Acetate	+++++	+++++	0.13629	0.16471	0.22989	0.25803	0.30141	0.21807	30.949	<-

Air Toxics Ltd.

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Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 1,1-Dichloroethane	+++++	2.35187	1.73033	2.26729	2.70324	2.58096	2.63472	2.37807	15.107
69 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
71 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 t-Butylethyl Ether	+++++	+++++	1.03350	+++++	2.00029	+++++	2.10863	1.71414	34.533
73 Ethyl Acetate	+++++	+++++	0.21298	+++++	0.31623	+++++	0.34103	0.29008	23.411
74 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	+++++	0.62928	0.46719	0.67412	0.82593	0.80627	0.81758	0.70340	20.184
76 cis-1,2-Dichloroethene	+++++	1.76835	1.68254	1.83982	2.14763	2.00795	2.01400	1.91005	9.176
77 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Cal Date : 13-Dec-2007 08:12 sruth
Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
78 Tetrahydrofuran	+++++	2.13818	1.47767	1.57448	1.81076	1.70532	1.74530	1.74195	13.115
80 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
81 Chloroform	3.80453	3.32273	2.68982	3.05973	3.48936	3.28986	3.29722	3.27904	10.550
82 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	+++++	2.60971	2.16763	2.75791	3.55287	3.42633	3.51408	3.00476	19.149
84 Cyclohexane	+++++	1.96953	1.56424	1.89664	2.20863	2.08162	2.09569	1.96939	11.472
85 Carbon Tetrachloride	+++++	3.11787	2.47390	2.94879	3.60925	3.35800	3.39119	3.14983	12.786
86 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
87 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 2,2,4-Trimethylpentane	+++++	4.90580	3.93498	4.23186	4.90289	4.55639	4.53936	4.51188	8.422

Air Toxics Ltd.

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Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
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Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	RRF	% RSD	
89 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
91 Benzene	+++++	1.24882	0.93270	1.04499	1.19574	1.16041	1.17344	1.12602	10.304	
92 tert-amyl-Methyl Ether	+++++	+++++	1.37659	+++++	2.27951	+++++	2.31423	1.99011	26.713	
93 1,2-Dichloroethane	+++++	0.65619	0.42796	0.51414	0.57969	0.55863	0.55165	0.54804	13.750	
94 Heptane	+++++	0.34627	0.26660	0.30693	0.36549	0.35044	0.34875	0.33075	11.184	
96 1-Butanol	+++++	+++++	0.07293	+++++	0.15514	+++++	0.20365	0.14391	45.918	<-
97 Trichloroethene	+++++	0.51528	0.36513	0.44375	0.51634	0.49736	0.49739	0.47254	12.464	
98 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
99 Methyl Cyclohexane	+++++	2.70168	1.99678	2.26123	2.64755	2.51235	2.54835	2.44466	10.927	
100 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

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Method file : /chem/msd1.i/1-12dec.b/t14q1124b.m
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Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 1,2-Dichloropropane	+++++	0.35474	0.26459	0.33472	0.38628	0.37496	0.37930	0.34910	13.028
103 1,4-Dioxane	+++++	+++++	0.22190	0.31427	0.36565	0.36242	0.36757	0.32636	19.136
104 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 Bromodichloromethane	+++++	0.76652	0.57664	0.78511	0.90019	0.88322	0.89654	0.80137	15.536
107 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 cis-1,3-Dichloropropene	+++++	0.57016	0.42002	0.58311	0.67097	0.67072	0.67834	0.59889	16.654
110 4-Methyl-2-pentanone	+++++	0.31037	0.21146	0.35329	0.41393	0.41382	0.42224	0.35419	23.299

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Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Toluene	+++++	1.39666	1.18545	1.33803	1.53386	1.49635	1.53845	1.41480	9.740
115 trans-1,3-Dichloropropene	+++++	0.67098	0.49092	0.69167	0.79206	0.77789	0.79816	0.70361	16.662
116 1,1,2-Trichloroethane	+++++	0.54605	0.39122	0.49731	0.55550	0.53727	0.53802	0.51090	12.118
117 Tetrachloroethene	+++++	0.76314	0.58177	0.73595	0.82982	0.79293	0.80435	0.75133	11.879
118 2-Hexanone	+++++	+++++	0.30384	0.59785	0.70780	0.71330	0.74334	0.61323	29.606
119 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Butyl Acetate	+++++	+++++	0.23735	+++++	0.36069	+++++	0.39173	0.32992	24.750
121 Dibromochloromethane	+++++	0.78220	0.54677	0.85281	0.97934	0.96134	0.98090	0.85056	19.870

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
122 1,2-Dibromoethane	+++++	0.81485	0.59564	0.80083	0.89195	0.88039	0.89423	0.81298	14.000
124 Chlorobenzene	+++++	1.41539	0.95809	1.28094	1.42920	1.38242	1.41674	1.31380	13.892
125 Ethyl Benzene	+++++	0.81843	0.53709	0.69382	0.78827	0.75580	0.76827	0.72694	14.003
126 Nonane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 m,p-Xylene	+++++	0.85500	0.64785	0.87679	0.96963	0.96058	0.98476	0.88244	14.334
129 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 o-Xylene	+++++	0.90317	0.60767	0.83089	0.91309	0.89040	0.90767	0.84215	14.099
131 Styrene	1.34587	1.15409	0.81410	1.36718	1.55224	1.56022	1.63180	1.34650	21.230
132 2-Heptanone	+++++	+++++	1.74317	+++++	2.45463	+++++	2.83742	2.34507	23.679

Air Toxics Ltd.

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Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Bromoform	+++++	0.78045	0.54031	0.87694	0.97634	0.98745	1.02009	0.86360	20.981
134 Cumene	2.68693	2.42382	1.69761	2.41171	2.69857	2.65280	2.34463	2.41658	14.440
135 Cyclohexanone	+++++	+++++	0.38048	+++++	0.38002	+++++	0.44382	0.40144	9.143
137 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,1,2,2-Tetrachloroethane	+++++	1.06048	0.74104	1.08328	1.10106	1.12212	1.12972	1.03962	14.280
139 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 Propylbenzene	+++++	3.06736	2.00809	2.82016	3.05381	3.05863	2.38056	2.73143	16.192
141 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
144 4-Ethyltoluene	+++++	2.79053	1.86989	2.67929	2.92490	2.87478	2.61997	2.62656	14.774
145 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 1,3,5-Trimethylbenzene	+++++	2.06384	1.35861	2.03321	2.10262	2.14059	1.94516	1.94067	15.089
147 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
148 Diisobutyl Ketone	+++++	+++++	1.08514	+++++	1.10681	+++++	1.16757	1.11984	3.816
149 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
152 1,2,4-Trimethylbenzene	+++++	1.95197	1.15623	1.77967	1.80935	1.85102	1.78454	1.72213	16.516
153 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
157 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
158 1,3-Dichlorobenzene	+++++	1.33876	0.70874	1.19336	1.16243	1.21002	1.22670	1.14000	19.268
159 1,4-Dichlorobenzene	+++++	1.17806	0.68653	1.18029	1.14854	1.21464	1.23284	1.10682	18.795
160 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 alpha-Chlorotoluene	+++++	1.53952	0.75738	1.52637	1.43949	1.60384	1.68269	1.42488	23.648
163 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
164 1,2-Dichlorobenzene	+++++	1.22311	0.55541	1.02589	0.93497	1.01767	1.04386	0.96682	23.034	
165 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
166 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
167 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
168 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
169 1,2,4-Trichlorobenzene	+++++	0.67885	0.30712	0.90961	0.37300	0.67680	0.89013	0.63925	39.588	<-
170 Hexachlorobutadiene	+++++	+++++	0.29105	0.70023	0.34579	0.55359	0.67848	0.51383	36.578	<-
171 Naphthalene	+++++	+++++	0.50732	1.80521	0.58410	1.22272	1.78603	1.18108	53.004	<-
172 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
173 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

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Compound	0.25000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
174 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.61480	1.61514	1.66529	1.60367	1.64914	1.64448	1.69279	1.64076	1.943
$ 111 Toluene-d8	0.90435	0.93215	0.91505	0.91106	0.95473	0.95040	0.96176	0.93279	2.486
$ 136 Bromofluorobenzene	0.56039	0.57430	0.57777	0.58938	0.59831	0.60472	0.60249	0.58677	2.819

Calibration History

Method : /chem/msd1.i/1-12dec.b/t14q1124b.m
Start Cal Date: 24-NOV-2007 17:43
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Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.25000		
24-NOV-2007 17:43	AFCEElow	/chem/msd1.i/1-24nov.b/1112402.d
Cal Level: 2 , Cal Amount: 0.50000		
24-NOV-2007 18:18	AT04low+ENSRa	/chem/msd1.i/1-24nov.b/1112403.d
Cal Level: 3 , Cal Amount: 2.00000		
12-DEC-2007 14:51	sp22b	/chem/msd1.i/1-12dec.b/1121208.d
24-NOV-2007 20:10	AT04mdl+ENSR	/chem/msd1.i/1-24nov.b/1112404.d
Cal Level: 4 , Cal Amount: 25.00000		
25-NOV-2007 10:33	AT04ENSR	/chem/msd1.i/1-25nov.b/1112503.d
Cal Level: 5 , Cal Amount: 50.00000		
12-DEC-2007 15:24	sp22b	/chem/msd1.i/1-12dec.b/1121209.d
24-NOV-2007 21:20	AT04ENSR	/chem/msd1.i/1-24nov.b/1112406.d
Cal Level: 6 , Cal Amount: 100.00000		
24-NOV-2007 21:55	AT04ENSR	/chem/msd1.i/1-24nov.b/1112407.d
Cal Level: 7 , Cal Amount: 200.00000		
12-DEC-2007 16:13	sp22b	/chem/msd1.i/1-12dec.b/1121210.d
24-NOV-2007 22:35	AT04ENSR	/chem/msd1.i/1-24nov.b/1112408.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
12-DEC-2007 15:24	sp22b	/chem/msd1.i/1-12dec.b/1121209.d
Ccal Level: 5 , Ccal Amount: 50.000		
12-DEC-2007 15:24	sp22bCCV	/chem/msd1.i/1-12dec.b/1121209a.d
Ccal Level: 5 , Ccal Amount: 50.000		
12-DEC-2007 08:53	AT04ENSR	/chem/msd1.i/1-12dec.b/1121202.d
Ccal Level: 5 , Ccal Amount: 50.000		
12-NOV-2007 16:20	sp22aCCV	/chem/msd1.i/1-12dec.b/1111206a.d

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-1 on 11/24/2007.

1. The following compounds used 0.25 ppbv as the lowest calibration concentration: Chloroform, Benzene, Cumene, and Styrene.

2. As noted on the accompanying analytical run log, the calibration point Level 4 was re-analyzed due to:
    a. anomalous unacceptable linearity for 1,2,4-Trichlorobenzene, Hexachlorobutadiene, and Naphthalene.

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MSD-1

Logbook #: 1568

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.07
75	30.0 – 60.0% of mass 95	48.88
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.48
173	Less than 2.0% of mass 174	(0.81)[1]
174	Greater than 50.0% of mass 95	80.95
175	5.0 – 9.0% of mass 174	(7.216)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.80)[1]
177	5.0 – 9.0% of mass 176	(6.71)[2]

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

BFB Injection Date: 11/24/07

BFB Injection Time: 1714

BFB File ID: 1112401

Tekmar Purge Flow: 2ml/min

Vacuum:

IS/S Std.#:	143-369	Exp. Date: 2/20/08
BCM	355328	
1,4-DFB	1527420	
CB-d5	1400994	

Verified CCV IS vs ICAL mid-point (- 40%D) LO (initials)

Verify 176/174 m/z Ratio: 78911/81397 x100 = 96.798%

NOAH Cart #: NA **File #:** NA

Calculation Check:

$$\text{ppbv of compound} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 585987\ )}{(\ 355328\ )} \times \frac{(\ 25.00\ )}{(\ 1.640706\ )} = 25.12774$$

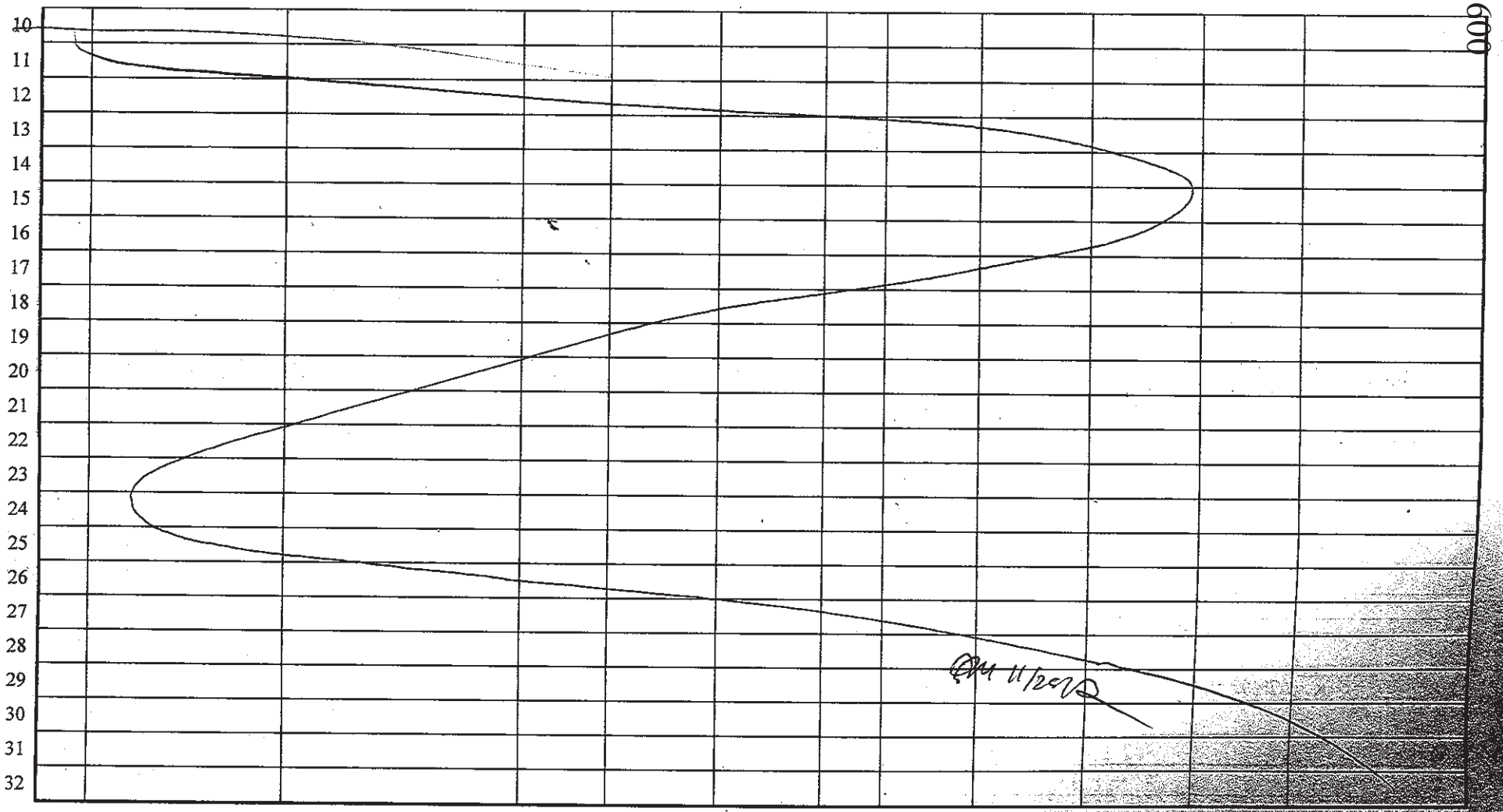
File ID:	1112406a
Compound:	1,2-DCA-d4
Initials:	LO

Reported Result 25.128

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	V	1112401	BFB TUNE CHECK	1476-88	50psig	2.0mL	1.00	dh	11/24/07	1714	dh	
2	V	02	ICAL level 1	1541-2	0.25ppbv	12.5mL	1.00			1743	dh	+14@124a
3	V	03	2	↓	0.5ppbv	25mL				1818	dh	
4	V	04	3	1576-96	2.0ppbv	1.0mL				2010	dh	
5	X	05	4		25ppbv	~~10~~ 12.5mL				2045	dh	
6	V	06	5		50ppbv	25mL				2120	dh	
7	V	07	6		100ppbv	50mL				2155	dh	
8	V	08	7		200ppbv	100mL	↓	↓	↓	2235	dh	
9											dh 11/25/07	

Signature

11/24/07
Date



Comments: Flow controller # AA104143049
NIST Flow Meter # 118812 Exp 6/11/08

Actual Nominal
2.5 mL/min 11.9 mL/min
checked 11/20/07 by SRS

Laura Overmyer
Signature

11/20/07
Date

@ Air Toxics Ltd. **MSD-1** **Logbook #: 1568**

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	16.22
75	30.0 – 60.0% of mass 95	48.00
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.85
173	Less than 2.0% of mass 174	(0.83)[1]
174	Greater than 50.0% of mass 95	82.11
175	5.0 – 9.0% of mass 174	(7.33)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.63)[1]
177	5.0 – 9.0% of mass 176	(6.24)[2]

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

BFB Injection Date: 11-25-2007
BFB Injection Time: 0914
BFB File ID: 1112501
Tekmar Purge Flow:
Vacuum: 2

IS/S Std.#:	1643-267	Exp. Date: 2-20-2008
BCM	383,319	
1,4-DFB	1,597,693	
CB-d5	1,489,612	

Verified CCV IS vs ICAL mid-point (- 40%D) XP (initials)

Verify 176/174 m/z Ratio: 780,864 / 816,572 X100% = 95.63%

NOAH Cart #: — **File #:** —

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF}$ = $\frac{(\ 620,852\ )}{(\ 383,319\ )} \times \frac{(\ 25.0\ )}{(\ 1.64076\ )}$ = 24.679

Reported Result 24.679

File ID:	1112504
Compound:	1,2-DCA-d4
Initials:	xp

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1112501	BFB Tune Check	#1476-58	5 psig	2ml	1.00	xp	11-25-2007	0914	xp/DM	
2	X	02	~~ICAL~~ XP 11/25/2007 System Blank	34190	Humid	200ml	1.00	xp		0949	xp/NA	
3	✓	03	ICAL Level 4	#1576-96	25ppbv	12.5ml	1.00	xp		1033	xp/DM	
4	✓	04	CCV-1	#1576-98	50ppbv	25ml	1.00	xp		1142	xp/DM	Short list only
5	✓	05	LCS-1	#1576-107	50ppbv	25ml	1.00	xp		1243	xp/DM	ICALLCS
6	X	06	GAS STD	#1576-14	5000ppbv	5.0ml	1.00	xp		1324	xp/NA	
7	X	07	Lab Blank	12941	Humid	200ml	1.00	xp		1412	xp/NA	SSA
8	✓	08	Gas STD	#1576-14	2500ppbv	2.5ml	1.00	xp		1446	xp/	
9	✓	09	Lab Blank	12901	Humid	100ml	1.00	xp		1551	DM	

Signature

11/25/07
Date

10	X	11/25/10	07/1262A-04A	35560	4.0"Hg→15psi	7.0mL	66.6	dm	11/25/07	1713	dm	E-flag(E>400 ng/mL		
11	X	11	Bag Blank	1LBag	Tedlar	100mL	1.08			1750	dm			
12	√	12	System Blank	12941	Hand	100mL	1.00			1826	dm			
13	√	13	07/1262A-04A	35560	4.0"Hg→15psi	2.0mL	117			1909	dm			
14	√	14	Bag Blank	1LBag	Tedlar	100mL	1.00			1945	dm			
15	X	15	07/1262A-01A	13387	5.0"Hg→15psi	40mL	1210			2026	dm	200X vs 100mL		
16	X	16	-01A	↓	↓	100mL	484			2115	dm	200X E-flag(E>220		
17	X	17	07/1247-01A	35643	7.0"Hg→15psi	3.0mL	88.0			2151	dm	E-flag Hexane>1000		
18	√	18	07/1262A-01A	13387	5.0"Hg→15psi	50mL	967			2232	dm	200X		
19	√	19	07/1247-01A	35643	7.0"Hg→15psi	2.0mL	132			2324	dm			
20	X	20	07/1295-01A	2259	3.5"Hg→15psi	50mL	4.58		11/26/07	0000	dm	RR 100mL		
21	√	21	01A	↓	↓	100mL	2.29			0046	dm			
22	√	22	02A	34611	3.0"Hg→15psi	↓	2.24			0122	dm			
23	√	23	03A	3997	3.5"Hg→15psi	100mL	2.29			0159	fo			
24	√	24	04A	33905	3.5"Hg→5psi	↓	1.52			0240	fo			
25	X	25	07/1284-01A	33914	0.0"Hg→5psi	100mL	1.34	fo		0746	fo	RR 50mL		
26														
27														
28														
29														
30			fo 11/26/07											
31														
32														

Comments:

Laura Overmyer
Signature

11/26/07
Date

@ Air Toxics Ltd.

MSD-1

Logbook #: 1628

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	17.25
75	30.0 – 60.0% of mass 95	49.98
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.52
173	Less than 2.0% of mass 174	(0.81)[1]
174	Greater than 50.0% of mass 95	81.08
175	5.0 – 9.0% of mass 174	(7.34)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.93)[1]
177	5.0 – 9.0% of mass 176	(6.68)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 12/12/07

BFB Injection Time: 0826

BFB File ID: 1121201

Tekmar Purge Flow:

Vacuum: gm 12/12/07

IS/S Std.#: 1443-369	Exp. Date: 2/20/08
BCM 258405	
1,4-DFB 1116961	
CB-d5 997631	

Verified CCV IS vs ICAL mid-point (- 40%D) gm 12/12/07 *Initials*

Verify 176/174 m/z Ratio: 655506/676288 x 100 = 96.93

NOAH Cart #: NA **File #:** NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1029019)}{(1116961)} \times \frac{(25.0)}{(0.93279)} = 24.691$

Reported Result 24.691

File ID:	1121202
Compound:	Tol-d8
Initials:	gm

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	1121201	BFB Tune Chk	1467-68	50 psig	2 mL	1.00	12/12/07	0826	gm	
2		~~02~~	~~ICAL Level 3~~	~~1443-369~~					gm 12/12/07		
3	✓	02	CCV-1 (200ppbv)	1576-96	50ppbv	25mL	1.00	12/12/07	0853	gm	MTBE↓<40
4	✓	03	LCS-1	1576-107					0941	gm	8 out ~~t-Hg 1124b~~ gm
5	X	04	ICAL Level 3	1443-388	2.0 ppbv	1.0 mL			1104	gm	~~Spl b~~ 12/13/07
6	X	05	5		50 ppbv	25mL			1138	gm	
7	X	06	7		200 ppbv	100mL			1216	gm	
8	✓	07	System blank	12009	Humid	~~100 mL~~ ~~200 ppbv dup~~			1324	gm	
9	✓	08	ICAL Level 3	1443-390	2.0ppbv	1.0mL			1451	gm	t-Hg 1124b

gm 12/12/07

Signature

12/12/07

Date

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MSD-1

Logbook #: 1628

10	✓	1121209	TICAL Level 5	1443-390	50ppbv	25mL	1.00	12/12/07	1524	KB	sp 22b
11	✓	↓ 10	↓ 7	1	200ppbv	100mL	1	↓	1613	KB	
12	✓	11	Lab Blank	12009	Humid	100mL	1.00	12/12/07	1711	KB	
13	✓	12	071222 1A – 19A	2072	4.0"Hg–15psi	100mL	2.33		1754	KB	
14	✓	13	20A	11823	3.0"Hg–15psi	100mL	2.24		1850	KB	
15	✓	14	19AA	2072	4.0"Hg–15psi	100mL	2.33		1903	KB	
16	✓	15	21A	9436	3.5"Hg–15psi	100mL	2.29		1936	KB	~~"E" Flag Fr 134a~~ 5/12/07 "S" Flag Fr 134a
17	✓	16	22A	9385	3.0"Hg–15psi	100mL	2.24		2010	KB	"E" Flag Fr 134a
18	✓	17	System Blank	12009	Humid	100mL	1.00		2100	KB	
19	✓	18	071222 1A – 21A	9436	3.5"Hg–15psi	10mL	22.9		2136	KB	"E" Flag Fr 134a
20	✗	19	~~27A~~ 28A 5/5 12/12/07	2209	4.5"Hg–15psi	1.0mL	2.38	↓	2217	KB/SD	RR @ 100mL
21	✓	20	27A	↓	↓	100mL	2.38	12/13/07	0013	KB/	Bad lead – vv
22	✓	21	27A	↓	↓	↓	↓		0101	KB/	
23	✓	22	28A	97102	3.0"Hg–15psi	100mL	2.24		0153	KB/	"E" Fr 134a "S"
24	✓	23	29A	12042	1.0"Hg–15psi	100mL	2.09		0250	KB/	Fr 134a ND
25	✓	24	26A	9934	7.5"Hg–15psi	100mL	1.79		0346	KB/	
26	✓	25	071222 1B – 40A	20781	3.5"Hg–15psi	100mL	2.29		0443	KB/	Fr 134a "E" "S"
27	✓	26	– 41A	20773	2.5"Hg–15psi	100mL	2.20		0532	KB/	Fr 134a > 5 x RL
28	✓	27	– 42A	11835	4.0"Hg–15psi	100mL	2.33	↓	0617	SD	
29	✓	28	– 43A	2165	4.5"Hg–15psi	100mL	2.33	12/13/07	0709	SD/CL	
30											
31											
32											

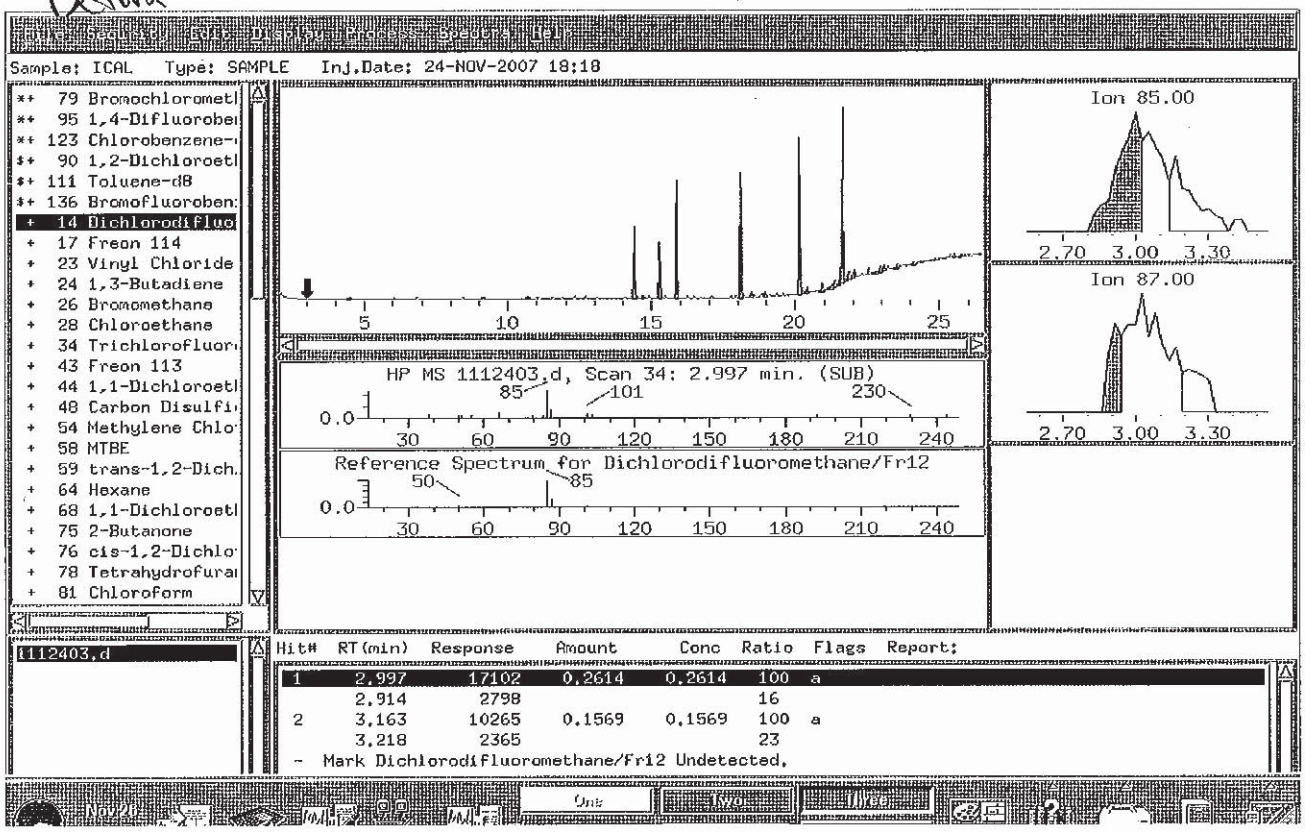
Comments:

12/13/07

Signature

12/13/07
Date

Before

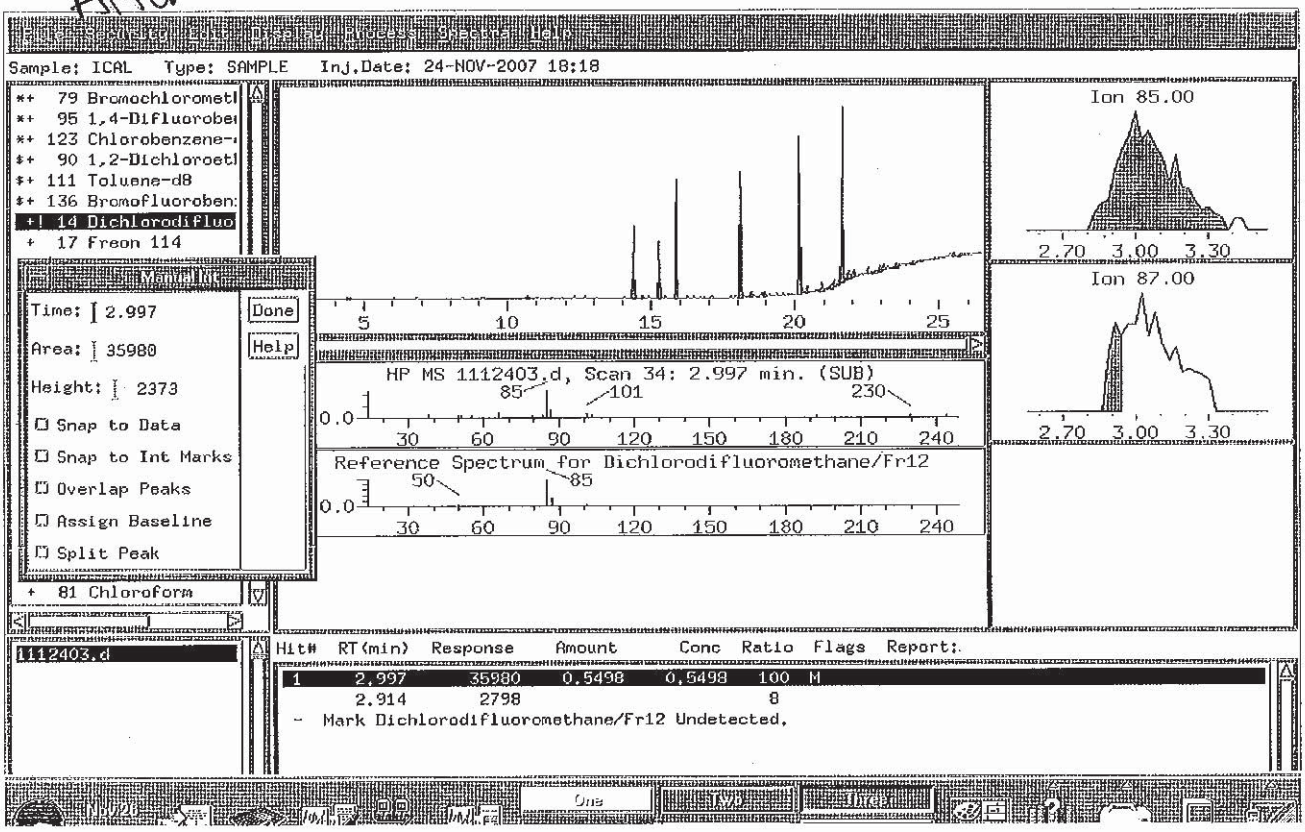

Sample: ICAL Type: SAMPLE Inj.Date: 24-NOV-2007 18:18
** 79 Bromochlorometh
** 95 1,4-Difluorober
** 123 Chlorobenzene-
$+ 90 1,2-Dichloroeth
$+ 111 Toluene-d8
$+ 136 Bromofluoroben
+ 14 Dichlorodifluo
+ 17 Freon 114
+ 23 Vinyl Chloride
+ 24 1,3-Butadiene
+ 26 Bromomethane
+ 28 Chloroethane
+ 34 Trichlorofluor
+ 43 Freon 113
+ 44 1,1-Dichloroeth
+ 48 Carbon Disulfi
+ 54 Methylene Chlo
+ 58 MTBE
+ 59 trans-1,2-Dich
+ 64 Hexane
+ 68 1,1-Dichloroeth
+ 75 2-Butanone
+ 76 cis-1,2-Dichlo
+ 78 Tetrahydrofura
+ 81 Chloroform
5 10 15 20 25
HP MS 1112403.d, Scan 34: 2.997 min. (SUB)
85 101 230
0.0
30 60 90 120 150 180 210 240
Reference Spectrum for Dichlorodifluoromethane/Fr12
50 85
0.0
30 60 90 120 150 180 210 240
Ion 85.00
2.70 3.00 3.30
Ion 87.00
2.70 3.00 3.30
1112403.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 2.997 17102 0.2614 0.2614 100 a
2.914 2798 16
2 3.163 10265 0.1569 0.1569 100 a
3.218 2365 23
- Mark Dichlorodifluoromethane/Fr12 Undetected.

Team VOC

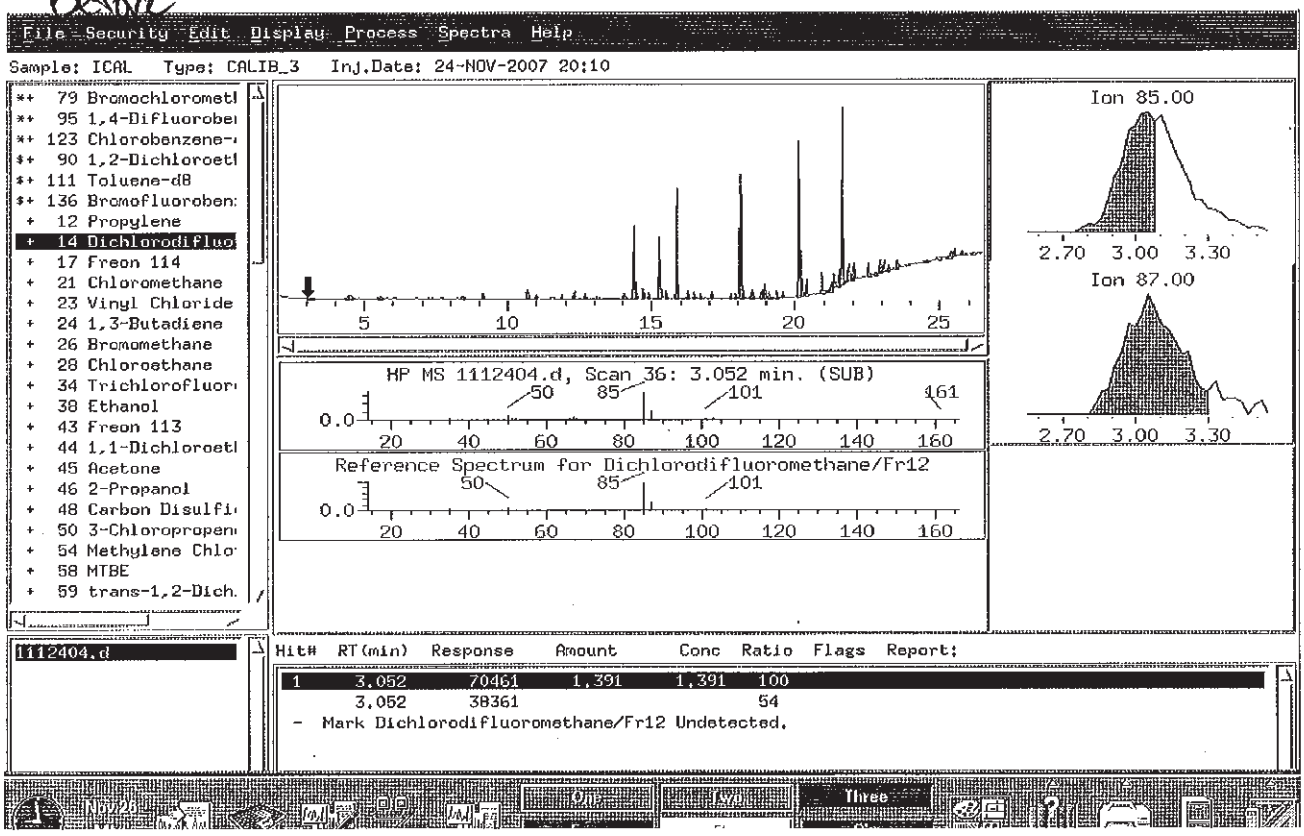
Date / Initial	11/26/07 SD
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

M 11/26/07

After



Before

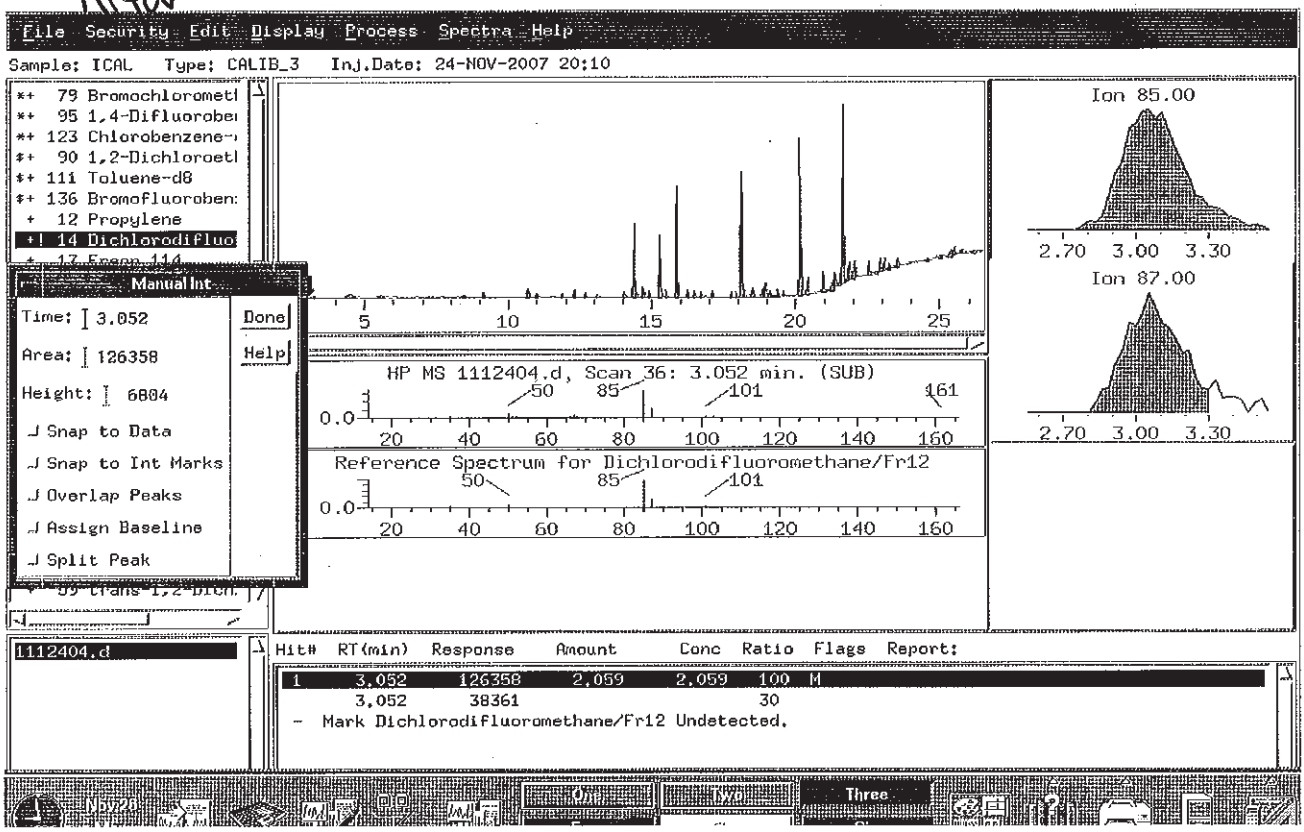

File Security Edit Display Process Spectra Help
Sample: ICAL Type: CALIB_3 Inj.Date: 24-NOV-2007 20:10
*+ 79 Bromochlorometl
*+ 95 1,4-Difluorobe
*+ 123 Chlorobenzene-
$+ 90 1,2-Dichloroetl
$+ 111 Toluene-d8
$+ 136 Bromofluoroben
+ 12 Propylene
+ 14 Dichlorodifluo
+ 17 Freon 114
+ 21 Chloromethane
+ 23 Vinyl Chloride
+ 24 1,3-Butadiene
+ 26 Bromomethane
+ 28 Chloroethane
+ 34 Trichlorofluor
+ 38 Ethanol
+ 43 Freon 113
+ 44 1,1-Dichloroetl
+ 45 Acetone
+ 46 2-Propanol
+ 48 Carbon Disulfi
+ 50 3-Chloropropen
+ 54 Methylene Chlo
+ 58 MTBE
+ 59 trans-1,2-Dich.
5 10 15 20 25
HP MS 1112404.d, Scan 36: 3.052 min. (SUB)
50 85 101 161
0.0
20 40 60 80 100 120 140 160
Reference Spectrum for Dichlorodifluoromethane/Fr12
50 85 101
0.0
20 40 60 80 100 120 140 160
Ion 85.00
2.70 3.00 3.30
Ion 87.00
2.70 3.00 3.30
1112404.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 3.052 70461 1.391 1.391 100
3.052 38361 54
- Mark Dichlorodifluoromethane/Fr12 Undetected.

Team VOC

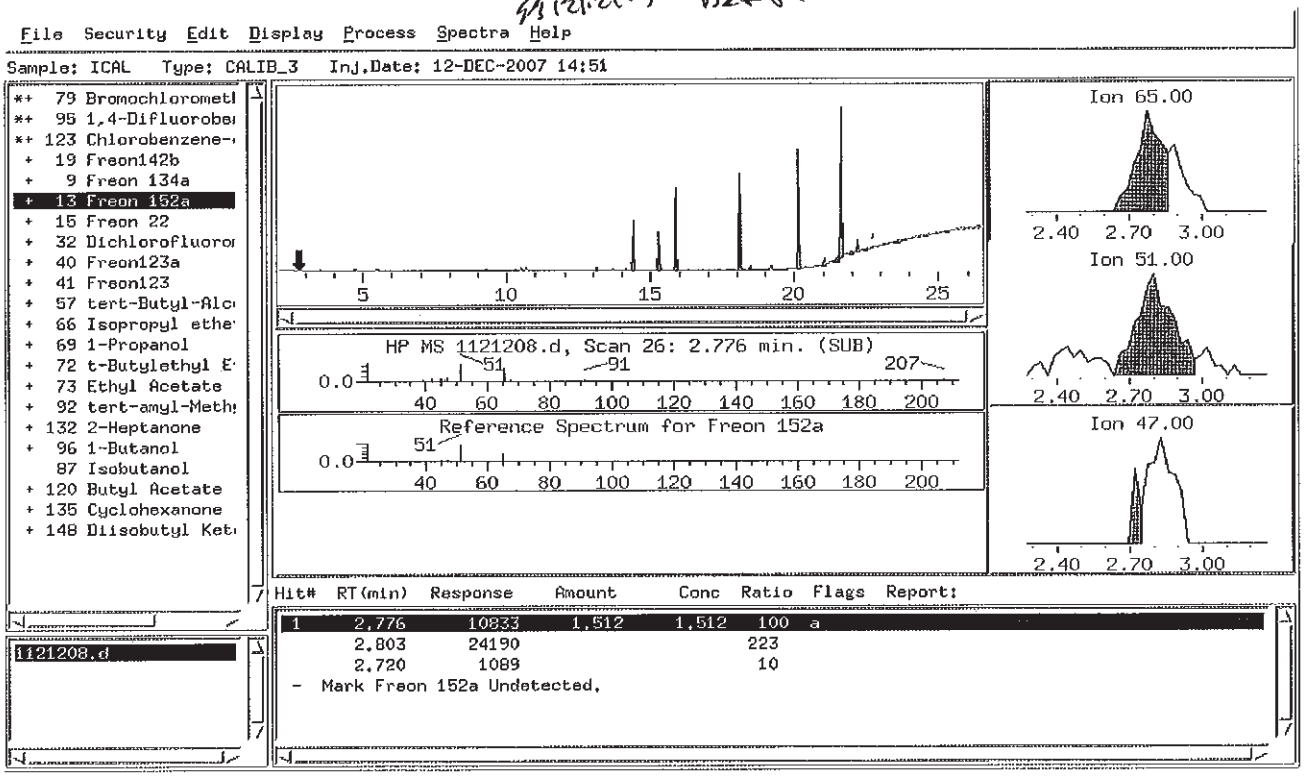
Date / Initial	11/26/07
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

MR 11/26/07

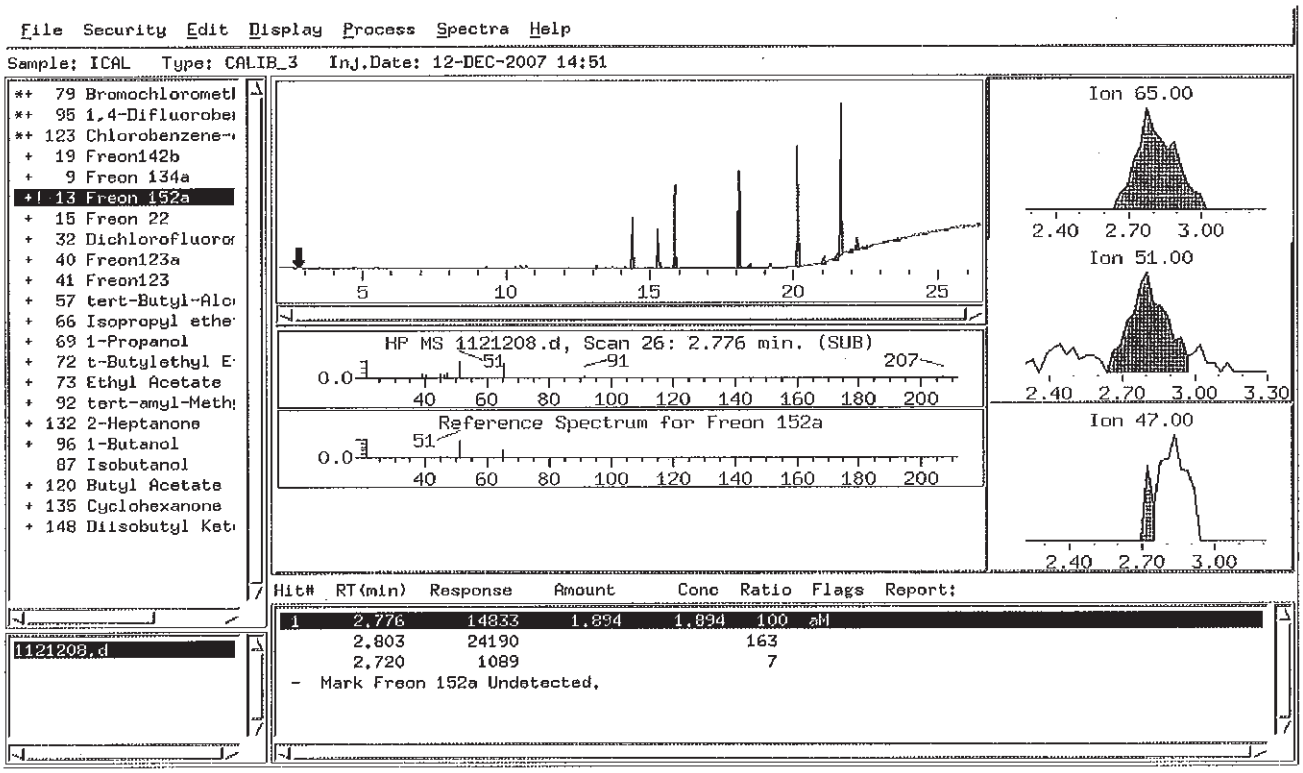
After



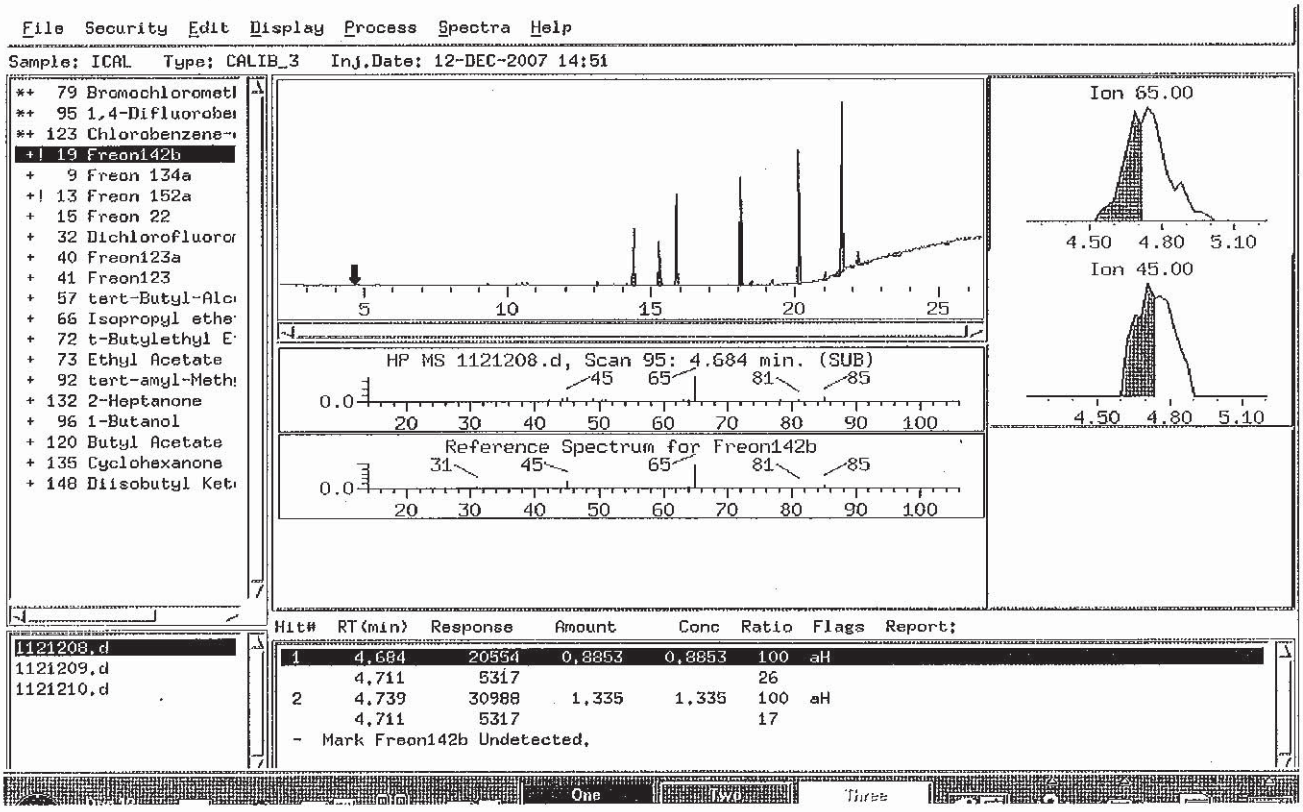
12/12/07 Base


File Security Edit Display Process Spectra Help
Sample: ICAL Type: CALIB_3 Inj.Date: 12-DEC-2007 14:51
*+ 79 Bromochloromeths
*+ 95 1,4-Difluorobe
*+ 123 Chlorobenzene-
+ 19 Freon142b
+ 9 Freon 134a
+ 13 Freon 152a
+ 15 Freon 22
+ 32 Dichlorofluoro
+ 40 Freon123a
+ 41 Freon123
+ 57 tert-Butyl-Alc
+ 66 Isopropyl ethe
+ 69 1-Propanol
+ 72 t-Butylethyl E
+ 73 Ethyl Acetate
+ 92 tert-amyl-Meth
+ 132 2-Heptanone
+ 96 1-Butanol
87 Isobutanol
+ 120 Butyl Acetate
+ 135 Cyclohexanone
+ 148 Diisobutyl Ket
1121208.d
HP MS 1121208.d, Scan 26: 2.776 min. (SUB)
Reference Spectrum for Freon 152a
Ion 65.00
Ion 51.00
Ion 47.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 2.776 10833 1.512 1.512 100 a
2.803 24190 223
2.720 1089 10
- Mark Freon 152a Undetected.

Team A	
Date/Initial	3/7 12/rcb
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	



Before

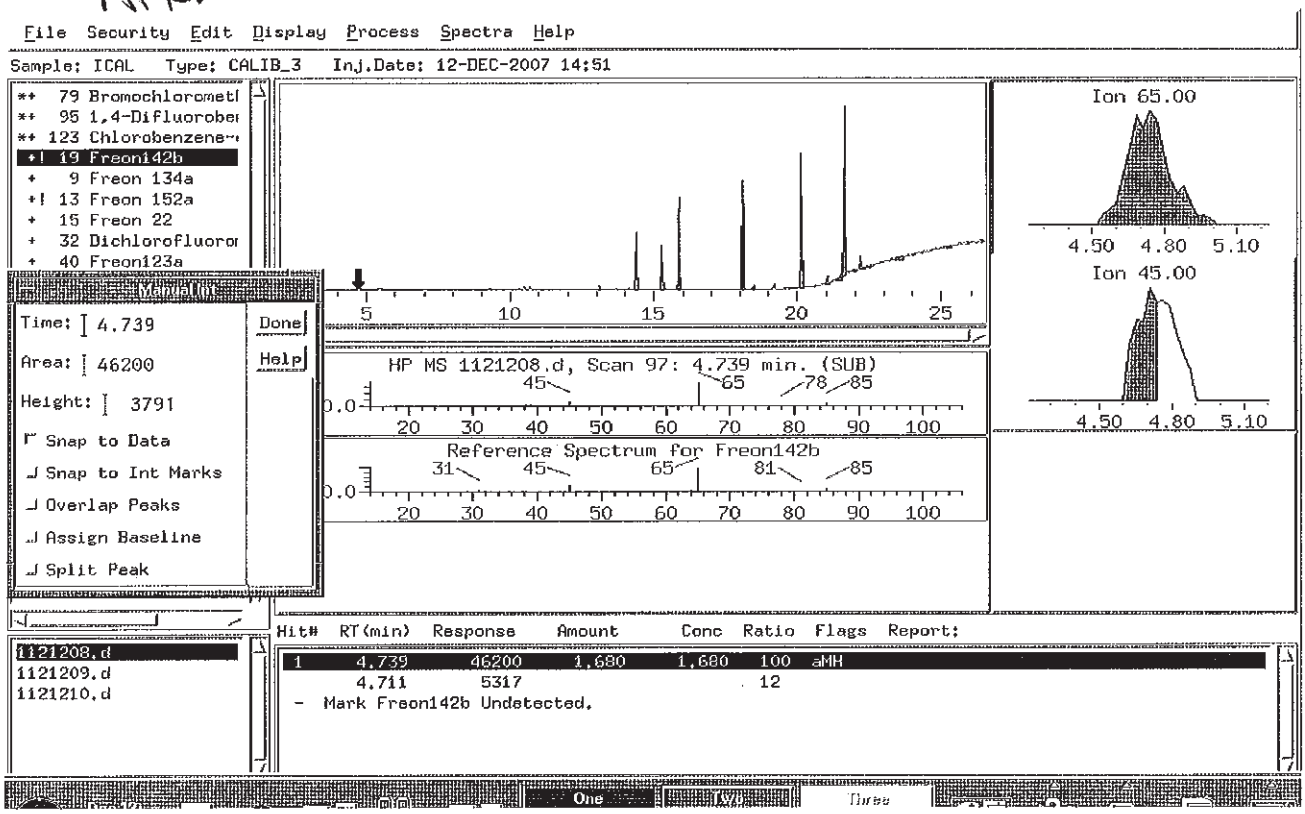

File Security Edit Display Process Spectra Help
Sample: ICAL Type: CALIB_3 Inj.Date: 12-DEC-2007 14:51
*+ 79 Bromochloromet
*+ 95 1,4-Difluorobe
*+ 123 Chlorobenzene-
+! 19 Freon142b
+ 9 Freon 134a
+! 13 Freon 152a
+ 15 Freon 22
+ 32 Dichlorofluoro
+ 40 Freon123a
+ 41 Freon123
+ 57 tert-Butyl-Alc
+ 66 Isopropyl ethe
+ 72 t-Butylethyl E
+ 73 Ethyl Acetate
+ 92 tert-amyl-Meth
+ 132 2-Heptanone
+ 96 1-Butanol
+ 120 Butyl Acetate
+ 135 Cyclohexanone
+ 148 Diisobutyl Ket
HP MS 1121208.d, Scan 95: 4.684 min. (SUB)
Reference Spectrum for Freon142b
Ion 65.00
Ion 45.00
1121208.d
1121209.d
1121210.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 4.684 20554 0.8853 0.8853 100 aH
4.711 5317 26
2 4.739 30988 1.335 1.335 100 aH
4.711 5317 17
- Mark Freon142b Undetected.
One
Two
Three

Team VOC

Date / Initial	12/13/07 SD
Poor Integration	
Split Peak	✓
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

/ME

After



Air Toxics Ltd.
Modified EPA Methods TO-14A/TO-15
Internal Standard and Associated Target Compounds and Surrogates

Bromochloromethane
Target Compounds:
Freon 12
Freon 114
Chloromethane
Vinyl Chloride
1,3-Butadiene
Bromomethane
Chloroethane
Freon 11
Ethanol
Freon 113
1,1-Dichloroethene
Acetone
2-Propanol
Carbon Disulfide
3-Chloropropene
Methylene Chloride
Methyl tert-butyl ether
trans-1,2-Dichloroethene
Hexane
1,1-Dichloroethane
2-Butanone (Methyl Ethyl Ketone)
cis-1,2-Dichloroethene
Tetrahydrofuran
Chloroform
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
2,2,4-Trimethylpentane
Surrogates:
1,2-Dichloroethane-d4

1,4-Difluorobenzene
Target Compounds:
Benzene
1,2-Dichloroethane
Heptane
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene
Surrogates:
Toluene-d8

Chlorobenzene-d5
Target Compounds:
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
2-Hexanone
Dibromochloromethane
1,2-Dibromoethane (EDB)
Chlorobenzene
Ethyl Benzene
m,p-Xylene
o-Xylene
Styrene
Bromoform
Cumene
1,1,2,2-Tetrachloroethane
Propylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
alpha-Chlorotoluene
1,2-Dichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Surrogates:
Bromofluorobenzene

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-25nov.b/1112505.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 25-NOV-2007 12:43
Operator : xp Inst ID: msd1.i
Smp Info : 25mL #1576-107
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd1.i/1-25nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:10 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 22:35 Cal File: 1112408.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========		=======	=======	==========	=====
* 79 Bromochloromethane							CAS #: 74-97-5	
14.388	14.389 (1.000)	130	378515	25.0000			80.00- 120.00	100.00
14.388	14.389 (1.000)	128	297379				28.21- 128.21	78.56
14.388	14.389 (1.000)	49	444235				65.24- 165.24	117.36
* 95 1,4-Difluorobenzene							CAS #: 540-36-3	
15.881	15.882 (1.000)	114	1619547	25.0000			80.00- 120.00	100.00
15.881	15.882 (1.000)	88	255856				0.00- 65.90	15.80
* 123 Chlorobenzene-d5							CAS #: 3114-55-4	
20.139	20.140 (1.000)	117	1476554	25.0000			80.00- 120.00	100.00
20.139	20.140 (1.000)	82	769554				1.52- 101.52	52.12
$ 90 1,2-Dichloroethane-d4							CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	629489	25.3396	25.340		80.00- 120.00	100.00
15.273	15.273 (1.061)	67	341452				2.06- 102.06	54.24
$ 111 Toluene-d8							CAS #: 2037-26-5	
18.093	18.094 (1.139)	98	1515455	25.0789	25.079		80.00- 120.00	100.00
18.093	18.094 (1.139)	70	159544				0.00- 60.40	10.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.093	18.094 (1.139)	100	1041629			17.93- 117.93	68.73
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	877747	25.3277	25.328	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	1036785			68.89- 168.89	118.12
21.633	21.633 (1.074)	176	848405			46.05- 146.05	96.66
12 Propylene					CAS #: 115-07-1		
2.610	2.637 (0.181)	41	983674	61.6038	61.604	80.00- 120.00	100.00
2.637	2.610 (0.183)	42	643827			11.62- 111.62	65.45
2.637	2.610 (0.183)	39	765862			33.11- 133.11	77.86
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.024	3.025 (0.210)	85	4126570	56.4261	56.426	80.00- 120.00	100.00
3.024	3.025 (0.210)	87	1342590			0.00- 76.90	32.54
17 Freon 114					CAS #: 76-14-2		
4.462	4.462 (0.310)	135	3094017	58.4134	58.413	80.00- 120.00	100.00
4.490	4.490 (0.312)	137	965644			0.00- 81.27	31.21
21 Chloromethane					CAS #: 74-87-3		
4.794	4.794 (0.333)	50	1099187	57.1983	57.198	80.00- 120.00	100.00
4.822	4.794 (0.335)	52	356567			0.00- 82.82	32.44
23 Vinyl Chloride					CAS #: 75-01-4		
5.762	5.762 (0.400)	62	1360745	56.0636	56.064	80.00- 120.00	100.00
5.762	5.762 (0.400)	64	427549			0.00- 79.63	31.42
24 1,3-Butadiene					CAS #: 106-99-0		
6.011	6.038 (0.418)	54	997206	60.2571	60.257	80.00- 120.00	100.00
6.011	6.038 (0.418)	39	968788			63.73- 163.73	97.15
26 Bromomethane					CAS #: 74-83-9		
7.670	7.670 (0.533)	94	1079531	63.8650	63.865	80.00- 120.00	100.00
7.670	7.670 (0.533)	96	1019049			43.36- 143.36	94.40
28 Chloroethane					CAS #: 75-00-3		
8.223	8.250 (0.571)	64	707296	60.7990	60.799	80.00- 120.00	100.00
8.223	8.250 (0.571)	49	162104			0.00- 73.86	22.92
8.223	8.250 (0.571)	66	227181			0.00- 85.11	32.12
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.135	9.135 (0.635)	101	4138691	58.8355	58.835	80.00- 120.00	100.00
9.135	9.135 (0.635)	103	2693307			14.64- 114.64	65.08

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	367951	48.6131	48.613	80.00- 120.00	100.00
10.269	10.269 (0.714)	43	94889			0.00- 76.14	25.79
10.269	10.269 (0.714)	46	152140			0.00- 89.17	41.35
43 Freon 113					CAS #: 76-13-1		
10.683	10.683 (0.742)	151	2253371	66.9431	66.943	80.00- 120.00	100.00(R)
10.683	10.683 (0.742)	153	1463888			13.70- 113.70	64.96
10.683	10.683 (0.742)	101	2744820			70.78- 170.78	121.81
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.628	10.656 (0.739)	61	2359769	64.9613	64.961	80.00- 120.00	100.00
10.656	10.656 (0.741)	96	1435346			10.28- 110.28	60.83
10.656	10.656 (0.741)	98	916164			0.00- 88.22	38.82
45 Acetone					CAS #: 67-64-1		
11.015	11.015 (0.766)	58	578402	59.3666	59.366	80.00- 120.00	100.00
11.015	11.015 (0.766)	43	1966553			314.99- 414.99	340.00
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	1839721	45.3816	45.382	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	378349			0.00- 72.77	20.57
11.458	11.458 (0.796)	59	74854			0.00- 54.24	4.07
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	3700152	58.5423	58.542	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	454879	61.2071	61.207	80.00- 120.00	100.00
11.568	11.568 (0.804)	41	1104952			206.76- 306.76	242.91
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	1232044	63.1745	63.174	80.00- 120.00	100.00
11.872	11.872 (0.825)	84	1119111			43.31- 143.31	90.83
11.872	11.872 (0.825)	51	367919			0.00- 80.99	29.86
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	2041336	58.5134	58.513	80.00- 120.00	100.00
12.287	12.287 (0.854)	57	386785			0.00- 68.82	18.95
12.287	12.287 (0.854)	41	349006			0.00- 70.92	17.10
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.287	12.315 (0.854)	96	1394016	57.9984	57.998	80.00- 120.00	100.00
12.287	12.287 (0.854)	61	1917867			86.00- 186.00	137.58
12.287	12.315 (0.854)	98	893139			8.99- 108.99	64.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	1703595	61.0198	61.020	80.00- 120.00	100.00
12.674	12.674 (0.881)	43	986844			9.98- 109.98	57.93
12.674	12.674 (0.881)	86	366378			0.00- 70.92	21.51
67 Vinyl Acetate					CAS #: 108-05-4		
13.172	13.200 (0.915)	86	202883	61.4491	61.449	80.00- 120.00	100.00
13.172	13.172 (0.915)	43	1597751			772.82- 872.82	787.52
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.089	13.117 (0.910)	63	2339521	64.9770	64.977	80.00- 120.00	100.00
13.089	13.117 (0.910)	65	749473			0.00- 81.27	32.04
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	632460	59.3868	59.387	80.00- 120.00	100.00
14.057	14.057 (0.977)	43	2155435			333.12- 433.12	340.80
14.057	14.057 (0.977)	57	188666			0.00- 80.92	29.83
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	1738049	60.1000	60.100	80.00- 120.00	100.00
14.029	14.029 (0.975)	96	1361627			27.80- 127.80	78.34
14.029	14.029 (0.975)	98	865145			0.66- 100.66	49.78
78 Tetrahydrofuran					CAS #: 109-99-9		
14.388	14.389 (1.000)	42	1212428	45.9702	45.970	80.00- 120.00	100.00
14.388	14.389 (1.000)	71	584417			0.00- 99.85	48.20
14.388	14.389 (1.000)	72	653591			3.13- 103.13	53.91
81 Chloroform					CAS #: 67-66-3		
14.471	14.499 (1.006)	83	2919479	58.8053	58.805	80.00- 120.00	100.00
14.471	14.499 (1.006)	85	1880680			14.69- 114.69	64.42
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	2843874	62.5112	62.511	80.00- 120.00	100.00
14.720	14.720 (1.023)	99	1830263			13.90- 113.90	64.36
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	1795910	60.2296	60.230	80.00- 120.00	100.00
14.693	14.693 (1.021)	56	1782252			47.72- 147.72	99.24
14.693	14.693 (1.021)	41	950212			2.75- 102.75	52.91
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	2880199	60.3937	60.394	80.00- 120.00	100.00
14.914	14.914 (1.036)	117	3153615			58.02- 158.02	109.49
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.246	15.246 (1.060)	57	3983708	58.3159	58.316	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.246	15.246 (1.060)	56	1254479			0.00- 81.75	31.49
15.218	15.246 (1.058)	41	1026636			0.00- 77.28	25.77
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	4200574	57.5851	57.585	80.00- 120.00	100.00
15.273	15.273 (0.962)	77	998659			0.00- 74.26	23.77
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	2030538	57.1930	57.193	80.00- 120.00	100.00
15.384	15.384 (0.969)	64	655255			0.00- 83.08	32.27
94 Heptane					CAS #: 142-82-5		
15.494	15.494 (0.976)	71	1254915	58.5686	58.569	80.00- 120.00	100.00
15.494	15.494 (0.976)	43	1711107			89.22- 189.22	136.35
15.494	15.494 (0.976)	57	1027982			35.31- 135.31	81.92
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	1805653	58.9851	58.985	80.00- 120.00	100.00
16.269	16.269 (1.024)	130	1857003			52.99- 152.99	102.84
16.269	16.269 (1.024)	97	1158882			14.26- 114.26	64.18
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	1335851	59.0685	59.068	80.00- 120.00	100.00
16.711	16.711 (1.052)	62	931308			18.99- 118.99	69.72
16.711	16.711 (1.052)	41	801579			10.27- 110.27	60.01
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	1035760	48.9899	48.990	80.00- 120.00	100.00
16.849	16.849 (1.061)	58	617217			9.91- 109.91	59.59
16.849	16.849 (1.061)	57	201269			0.00- 70.45	19.43
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	3140277	60.4898	60.490	80.00- 120.00	100.00
17.098	17.098 (1.077)	85	2014905			14.48- 114.48	64.16
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	2323643	59.8923	59.892	80.00- 120.00	100.00
17.762	17.762 (1.118)	77	735897			0.00- 81.42	31.67
17.762	17.762 (1.118)	39	1071740			0.00- 95.85	46.12
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	1185665	51.6746	51.675	80.00- 120.00	100.00
17.928	17.928 (1.129)	43	2742628			186.92- 286.92	231.32
17.928	17.928 (1.129)	85	598177			1.40- 101.40	50.45

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	5569540	60.7674	60.767	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	3279739			8.92- 108.92	58.89
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.563	18.564 (0.922)	75	2484756	59.7917	59.792	80.00- 120.00	100.00
18.563	18.564 (0.922)	77	779695			0.00- 81.21	31.38
18.563	18.564 (0.922)	39	1030118			0.00- 92.01	41.46
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	1763717	58.4503	58.450	80.00- 120.00	100.00
18.840	18.840 (0.935)	99	1111890			11.77- 111.77	63.04
18.840	18.840 (0.935)	83	1410836			31.15- 131.15	79.99
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	2665266	60.0625	60.062	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	1825135			19.19- 119.19	68.48
18.951	18.951 (0.941)	131	1773686			16.47- 116.47	66.55
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	1682947	46.4664	46.466	80.00- 120.00	100.00
19.089	19.089 (0.948)	43	2811100			116.47- 216.47	167.03
19.089	19.089 (0.948)	100	431369			0.00- 76.67	25.63
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	3149596	62.6961	62.696	80.00- 120.00	100.00
19.365	19.365 (0.962)	127	2411628			28.19- 128.19	76.57
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.586	19.587 (0.973)	107	2751920	57.3120	57.312	80.00- 120.00	100.00
19.586	19.587 (0.973)	109	2608047			45.16- 145.16	94.77
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	4516345	58.2035	58.203	80.00- 120.00	100.00
20.195	20.195 (1.003)	114	1449080			0.00- 81.77	32.09
20.195	20.195 (1.003)	77	2696737			8.62- 108.62	59.71
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	2446595	56.9838	56.984	80.00- 120.00	100.00
20.250	20.250 (1.005)	91	7940660			264.26- 364.26	324.56
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	3092244	59.3309	59.331	80.00- 120.00	100.00
20.416	20.416 (1.014)	91	6245772			160.89- 260.89	201.98
130 o-Xylene					CAS #: 95-47-6		
20.941	20.941 (1.040)	106	2924651	58.7999	58.800	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.941	20.941 (1.040)	91	6285615			161.76- 261.76	214.92
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	4781240	60.1208	60.121	80.00- 120.00	100.00
20.969	20.969 (1.041)	78	2268660			0.00- 97.48	47.45
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	3166873	62.0884	62.088	80.00- 120.00	100.00
21.273	21.273 (1.056)	171	1653543			0.81- 100.81	52.21
134 Cumene					CAS #: 98-82-8		
21.384	21.384 (1.062)	105	8831217	61.8742	61.874	80.00- 120.00	100.00
21.384	21.384 (1.062)	120	2218910			0.00- 78.08	25.13
21.356	21.356 (1.060)	51	697309			0.00- 58.74	7.90
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.798	21.799 (1.082)	83	3605939	58.7267	58.727	80.00- 120.00	100.00
21.798	21.799 (1.082)	85	2332198			14.72- 114.72	64.68
140 Propylbenzene					CAS #: 103-65-1		
21.881	21.881 (1.086)	91	10100224	62.6082	62.608	80.00- 120.00	100.00
21.881	21.881 (1.086)	120	2213293			0.00- 72.27	21.91
21.881	21.881 (1.086)	105	381785			0.00- 54.06	3.78
144 4-Ethyltoluene					CAS #: 622-96-8		
22.020	22.020 (1.093)	105	9628252	62.0656	62.066	80.00- 120.00	100.00
22.020	22.020 (1.093)	120	2847393			0.00- 79.00	29.57
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	6808845	59.4035	59.403	80.00- 120.00	100.00
22.075	22.075 (1.096)	120	3189318			0.00- 98.86	46.84
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	5918691	58.1903	58.190	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	2618022			0.00- 94.57	44.23
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	3883528	57.6782	57.678	80.00- 120.00	100.00
22.960	22.960 (1.140)	148	2460593			13.76- 113.76	63.36
22.960	22.960 (1.140)	111	1442050			0.00- 87.53	37.13
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.070	23.070 (1.146)	146	3793398	58.0287	58.029	80.00- 120.00	100.00
23.070	23.070 (1.146)	148	2416749			16.24- 116.24	63.71
23.070	23.070 (1.146)	111	1334579			0.00- 86.79	35.18

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.209	23.236 (1.152)	91	5025205	59.7126	59.712	80.00- 120.00	100.00
23.236	23.236 (1.154)	126	1009791			0.00- 71.33	20.09
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.540	23.540 (1.169)	146	3138962	54.9707	54.971	80.00- 120.00	100.00
23.540	23.540 (1.169)	148	2007137			13.49- 113.49	63.94
23.540	23.540 (1.169)	111	1243662			0.00- 88.80	39.62
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	1535228	40.6623	40.662	80.00- 120.00	100.00
25.393	25.393 (1.261)	182	1437359			43.73- 143.73	93.63
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.503	25.504 (1.266)	225	1325686	43.6830	43.683	80.00- 120.00	100.00
25.503	25.504 (1.266)	223	840529			11.04- 111.04	63.40
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	1255980	58.5081	58.508	80.00- 120.00	100.00
8.416	8.416 (0.585)	57	976307			26.98- 126.98	77.73
22 Butane					CAS #: 106-97-8		
5.596	5.596 (0.389)	58	279307	57.8338	57.834	80.00- 120.00	100.00
5.596	5.596 (0.389)	43	1910381			636.03- 736.03	683.97
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	2197489	59.3698	59.370	80.00- 120.00	100.00
16.490	16.490 (1.146)	98	1143863			1.44- 101.44	52.05
16.490	16.490 (1.146)	55	1575509			21.09- 121.09	71.70
171 Naphthalene					CAS #: 91-20-3		
25.752	25.752 (1.279)	128	2495306	35.7714	35.771	80.00- 120.00	100.00
25.752	25.752 (1.279)	127	311503			0.00- 66.01	12.48

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112505.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-25nov.b/t14q1124a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 25-NOV-2007
Calibration Time: 11:42
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	383319	229991	536647	378515	-1.25
95 1,4-Difluorobenze	1597693	958616	2236770	1619547	1.37
123 Chlorobenzene-d5	1489612	893767	2085457	1476554	-0.88

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Report Date: 26-Nov-2007 09:11

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-25nov
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: xp
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd1.i/1-25nov.b/t14q1124a.m
Misc Info: 200ppbv -> 50ppbv

SPIKE	COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
14	Dichlorodifluorome	50.000	56.426	112.85	70-130
17	Freon 114	50.000	58.413	116.83	70-130
21	Chloromethane	50.000	57.198	114.40	70-130
23	Vinyl Chloride	50.000	56.064	112.13	70-130
24	1,3-Butadiene	50.000	60.257	120.51	60-140
26	Bromomethane	50.000	63.865	127.73	70-130
28	Chloroethane	50.000	60.799	121.60	70-130
34	Trichlorofluoromet	50.000	58.835	117.67	70-130
38	Ethanol	50.000	48.613	97.23	60-140
43	Freon 113	50.000	66.943	133.89*	70-130
44	1,1-Dichloroethene	50.000	64.961	129.92	70-130
45	Acetone	50.000	59.366	118.73	60-140
48	Carbon Disulfide	50.000	58.542	117.08	60-140
46	2-Propanol	50.000	45.382	90.76	60-140
54	Methylene Chloride	50.000	63.174	126.35	70-130
58	MTBE	50.000	58.513	117.03	60-140
59	trans-1,2-Dichloro	50.000	57.998	116.00	60-140
64	Hexane	50.000	61.020	122.04	60-140
67	Vinyl Acetate	50.000	61.449	122.90	60-140
68	1,1-Dichloroethane	50.000	64.977	129.95	70-130
76	cis-1,2-Dichloroet	50.000	60.100	120.20	70-130
75	2-Butanone	50.000	59.387	118.77	60-140
78	Tetrahydrofuran	50.000	45.970	91.94	60-140
81	Chloroform	50.000	58.805	117.61	70-130
84	Cyclohexane	50.000	60.230	120.46	60-140
83	1,1,1-Trichloroeth	50.000	62.511	125.02	70-130
85	Carbon Tetrachlori	50.000	60.394	120.79	70-130
91	Benzene	50.000	57.585	115.17	70-130
93	1,2-Dichloroethane	50.000	57.193	114.39	70-130
94	Heptane	50.000	58.569	117.14	60-140
97	Trichloroethene	50.000	58.985	117.97	70-130
102	1,2-Dichloropropan	50.000	59.068	118.14	70-130
103	1,4-Dioxane	50.000	48.990	97.98	60-140

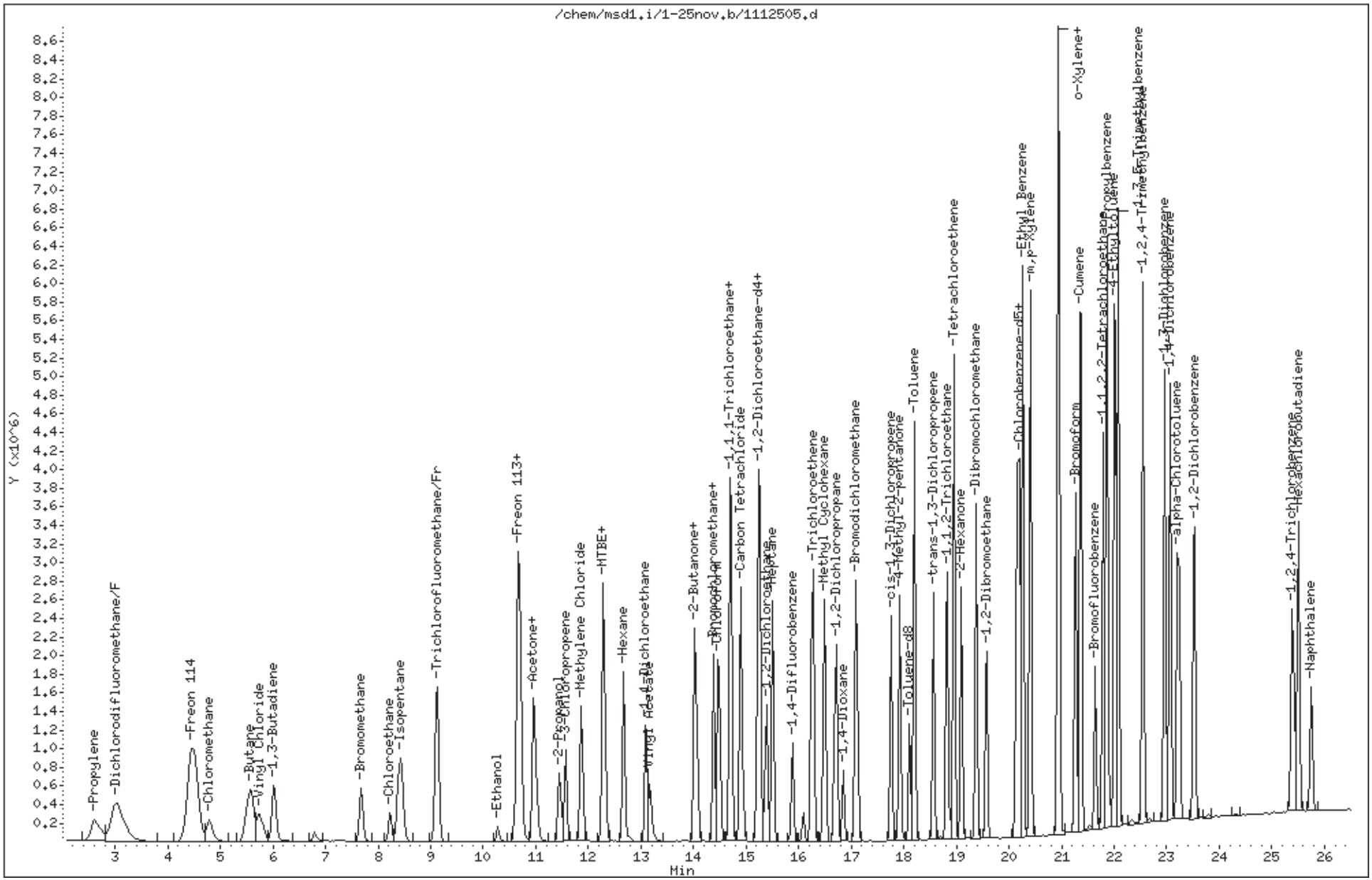
	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
106	Bromodichlorometha	50.000	60.490	120.98	60-140
109	cis-1,3-Dichloropr	50.000	59.892	119.78	70-130
110	4-Methyl-2-pentano	50.000	51.675	103.35	60-140
114	Toluene	50.000	60.767	121.53	70-130
115	trans-1,3-Dichloro	50.000	59.792	119.58	70-130
116	1,1,2-Trichloroeth	50.000	58.450	116.90	70-130
117	Tetrachloroethene	50.000	60.062	120.12	70-130
118	2-Hexanone	50.000	46.466	92.93	60-140
121	Dibromochlorometha	50.000	62.696	125.39	60-140
122	1,2-Dibromoethane	50.000	57.312	114.62	70-130
124	Chlorobenzene	50.000	58.203	116.41	70-130
125	Ethyl Benzene	50.000	56.984	113.97	70-130
128	m,p-Xylene	50.000	59.331	118.66	70-130
130	o-Xylene	50.000	58.800	117.60	70-130
131	Styrene	50.000	60.121	120.24	70-130
133	Bromoform	50.000	62.088	124.18	60-140
138	1,1,2,2-Tetrachlor	50.000	58.727	117.45	70-130
144	4-Ethyltoluene	50.000	62.066	124.13	60-140
146	1,3,5-Trimethylben	50.000	59.403	118.81	70-130
152	1,2,4-Trimethylben	50.000	58.190	116.38	70-130
158	1,3-Dichlorobenzen	50.000	57.678	115.36	70-130
159	1,4-Dichlorobenzen	50.000	58.029	116.06	70-130
162	alpha-Chlorotoluen	50.000	59.712	119.43	70-130
164	1,2-Dichlorobenzen	50.000	54.971	109.94	70-130
169	1,2,4-Trichloroben	50.000	40.662	81.32	70-130
170	Hexachlorobutadien	50.000	43.683	87.37	70-130
140	Propylbenzene	50.000	62.608	125.22	60-140
134	Cumene	50.000	61.874	123.75	60-140
50	3-Chloropropene	50.000	61.207	122.41	60-140
88	2,2,4-Trimethylpen	50.000	58.316	116.63	60-140
29	Isopentane	50.000	58.508	117.02	70-130
22	Butane	50.000	57.834	115.67	70-130
99	Methyl Cyclohexane	50.000	59.370	118.74	70-130
12	Propylene	50.000	61.604	123.21	60-140
171	Naphthalene	50.000	35.771	71.54	60-140

	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90	1,2-Dichloroethane	25.000	25.340	101.36	70-130
$ 111	Toluene-d8	25.000	25.079	100.32	70-130
$ 136	Bromofluorobenzene	25.000	25.328	101.31	70-130

Data File: /chem/msd1.i/1-25nov.b/1112505.d
Date : 25-NOV-2007 12:43
Client ID: LCS-1
Sample Info: 25mL #1576-107

Instrument: msd1.i
Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112402.d
Lab Smp Id: ICAL Client Smp ID: level 1
Inj Date : 24-NOV-2007 17:43
Operator : dm Inst ID: msd1.i
Smp Info : 12.5ml #1541-2
Misc Info : 2.0ppbv-0.25ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:00 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 17:43 Cal File: 1112402.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	375421	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	287388			26.55- 126.55	76.55
14.389	14.389 (1.000)	49	421875			62.37- 162.37	112.37
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1595178	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	252537			0.00- 65.83	15.83
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1414178	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	721533			1.02- 101.02	51.02
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	606228	25.0000	25.000	50.00- 150.00	100.00
15.273	15.273 (1.061)	67	296330			0.00- 98.88	48.88
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	1442593	25.0000	25.000	50.00- 150.00	100.00
18.094	18.094 (1.139)	70	154912			0.00- 60.74	10.74

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	981389			18.03- 118.03	68.03
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	792494	25.0000	25.000	50.00- 150.00	100.00
21.633	21.633 (1.074)	95	946515			69.43- 169.43	119.43
21.633	21.633 (1.074)	176	773019			47.54- 147.54	97.54
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	14283	0.25000	0.2500	50.00- 150.00	100.00
14.499	14.499 (1.008)	85	9023			13.17- 113.17	63.17
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	23900	0.25000		0.00- 50.00	100.00(a)
15.273	15.273 (0.962)	77	6050			0.00- 75.31	25.31
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	19033	0.25000	0.2500	50.00- 150.00	100.00
20.969	20.969 (1.041)	78	12138			13.77- 113.77	63.77
134 Cumene					CAS #: 98-82-8		
21.384	21.384 (1.062)	105	37998	0.25000	0.2500	50.00- 150.00	100.00
21.384	21.384 (1.062)	120	12004			0.00- 81.59	31.59
21.356	21.356 (1.060)	51	4003			0.00- 60.53	10.53

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112402.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 2.0ppbv-0.25ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	375421	5.65
95 1,4-Difluorobenze	1527420	916452	2138388	1595178	4.44
123 Chlorobenzene-d5	1400994	840596	1961392	1414178	0.94

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

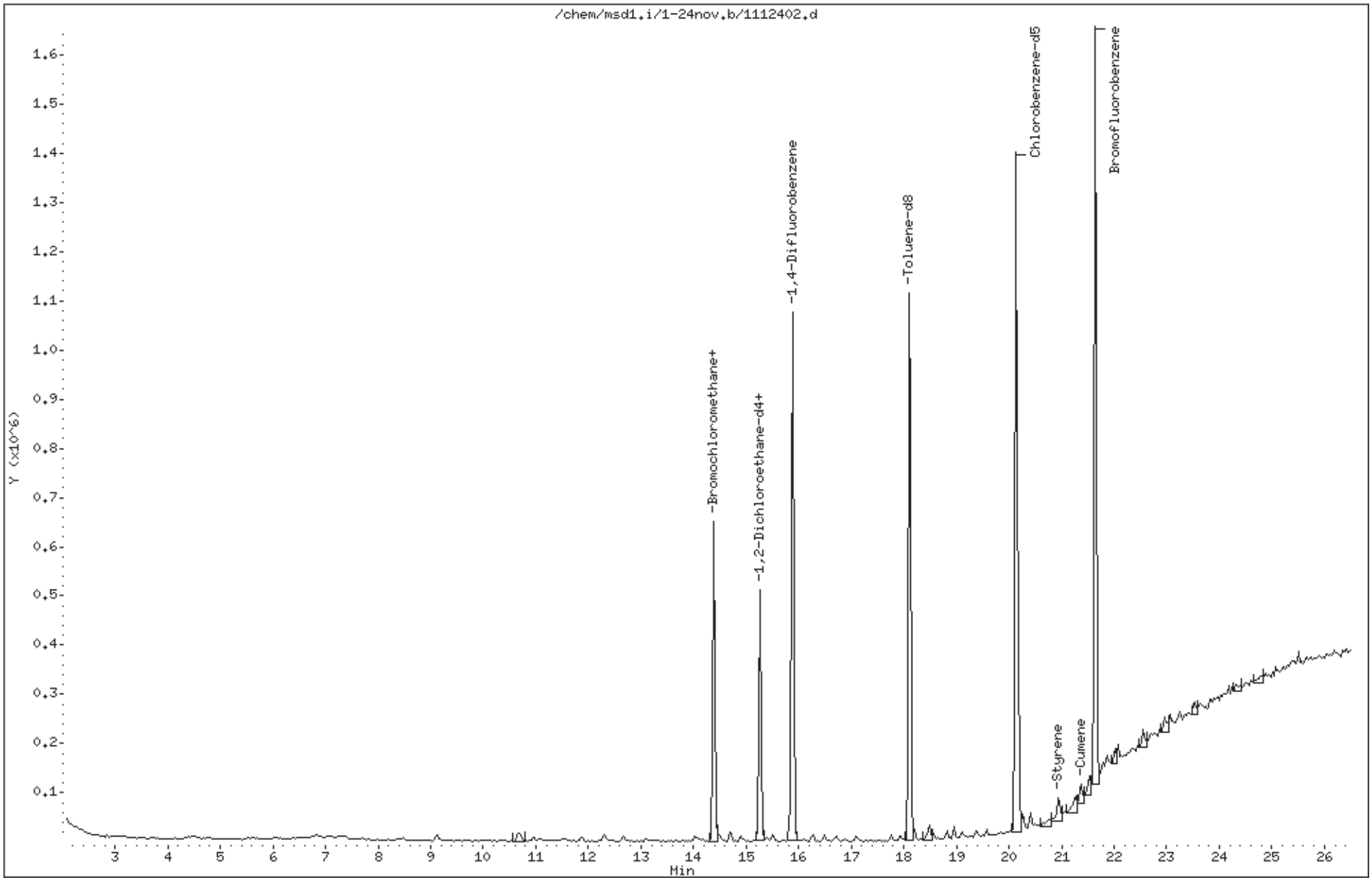
Data File: /chem/msd1.i/1-24nov.b/1112402.d
Date : 24-NOV-2007 17:43
Client ID: level 1
Sample Info: 12.5ml #1541-2

Column phase: RTx-624

Instrument: msd1.i

Operator: dm
Column diameter: 0.53

0120



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112403.d
Lab Smp Id: ICAL Client Smp ID: level 2
Inj Date : 24-NOV-2007 18:18
Operator : dm Inst ID: msd1.i
Smp Info : 25ml #1541-2
Misc Info : 2.0ppbv-0.5ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:00 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 18:18 Cal File: 1112403.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSRa.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.388	14.388 (1.000)	130	339751	25.0000		50.00- 150.00	100.00
14.388	14.388 (1.000)	128	264449			27.19- 127.19	77.84
14.388	14.388 (1.000)	49	379463			62.03- 162.03	111.69
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1456971	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	229804			0.00- 65.80	15.77
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1313982	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	678676			1.34- 101.34	51.65
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	548747	25.0000	25.003	50.00- 150.00	100.00
15.273	15.273 (1.061)	67	270854			0.00- 99.12	49.36
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.093	18.093 (1.139)	98	1358110	25.0000	25.378	50.00- 150.00	100.00
18.093	18.093 (1.139)	70	139019			0.00- 60.49	10.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.093	18.093 (1.139)	100	906134			17.37- 117.37	66.72
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	754624	25.0000	25.306	50.00- 150.00	100.00
21.633	21.633 (1.074)	95	885204			68.37- 168.37	117.30
21.633	21.633 (1.074)	176	729128			47.08- 147.08	96.62
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.997	2.997 (0.208)	85	35980	0.50000	0.5000	50.00- 150.00	100.00(M)
2.914	2.914 (0.203)	87	2798			0.00- 57.78	7.78
17 Freon 114					CAS #: 76-14-2		
4.490	4.490 (0.312)	135	25519	0.50000	0.5000	50.00- 150.00	100.00
4.490	4.490 (0.312)	137	7078			0.00- 77.74	27.74
23 Vinyl Chloride					CAS #: 75-01-4		
5.734	5.734 (0.399)	62	14744	0.50000	0.5000	50.00- 150.00	100.00
5.789	5.789 (0.402)	64	3415			0.00- 73.16	23.16
24 1,3-Butadiene					CAS #: 106-99-0		
6.011	6.011 (0.418)	54	8041	0.50000	0.5000	50.00- 150.00	100.00
6.038	6.038 (0.420)	39	13130			113.29- 213.29	163.29
26 Bromomethane					CAS #: 74-83-9		
7.670	7.670 (0.533)	94	6815	0.50000	0.5000	50.00- 150.00	100.00
7.697	7.697 (0.535)	96	8330			72.23- 172.23	122.23
28 Chloroethane					CAS #: 75-00-3		
8.250	8.250 (0.573)	64	5511	0.50000	0.5000	50.00- 150.00	100.00
8.223	8.223 (0.571)	49	1315			0.00- 73.86	23.86
8.223	8.223 (0.571)	66	2549			0.00- 96.25	46.25
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.135	9.135 (0.635)	101	33781	0.50000	0.5000	50.00- 150.00	100.00
9.135	9.135 (0.635)	103	23557			19.73- 119.73	69.73
43 Freon 113					CAS #: 76-13-1		
10.683	10.683 (0.742)	151	16405	0.50000	0.5000	50.00- 150.00	100.00
10.711	10.711 (0.744)	153	11684			21.22- 121.22	71.22
10.683	10.683 (0.742)	101	20500			74.96- 174.96	124.96
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.656	10.656 (0.741)	61	18466	0.50000	0.5000	50.00- 150.00	100.00
10.656	10.656 (0.741)	96	16510			39.41- 139.41	89.41
10.656	10.656 (0.741)	98	6972			0.00- 87.76	37.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	34384	0.50000	0.5000	50.00- 150.00	100.00
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	10290	0.50000	0.5000	50.00- 150.00	100.00
11.872	11.872 (0.825)	84	8739			34.93- 134.93	84.93
11.872	11.872 (0.825)	51	3011			0.00- 79.26	29.26
58 MTBE					CAS #: 1634-04-4		
12.315	12.315 (0.856)	73	16385	0.50000	0.5000	50.00- 150.00	100.00
12.315	12.315 (0.856)	57	3651			0.00- 72.28	22.28
12.315	12.315 (0.856)	41	5171			0.00- 81.56	31.56
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.315	12.315 (0.856)	96	13608	0.50000	0.5000	50.00- 150.00	100.00
12.315	12.315 (0.856)	61	14745			58.36- 158.36	108.36
12.315	12.315 (0.856)	98	6171			0.00- 95.35	45.35
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	13444	0.50000	0.5000	50.00- 150.00	100.00
12.674	12.674 (0.881)	43	8659			14.41- 114.41	64.41
12.674	12.674 (0.881)	86	2310			0.00- 67.18	17.18
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.117	13.117 (0.912)	63	15981	0.50000	0.5000	50.00- 150.00	100.00
13.117	13.117 (0.912)	65	4354			0.00- 77.24	27.24
75 2-Butanone					CAS #: 78-93-3		
14.084	14.084 (0.979)	72	4276	0.50000	0.5000	50.00- 150.00	100.00
14.084	14.084 (0.979)	43	19080			396.21- 496.21	446.21
14.084	14.084 (0.979)	57	1481			0.00- 84.64	34.64
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	12016	0.50000	0.5000	50.00- 150.00	100.00
14.029	14.029 (0.975)	96	12157			51.17- 151.17	101.17
14.029	14.029 (0.975)	98	7259			10.41- 110.41	60.41
78 Tetrahydrofuran					CAS #: 109-99-9		
14.416	14.416 (1.002)	42	14529	0.50000	0.5000	50.00- 150.00	100.00
14.416	14.416 (1.002)	71	6559			0.00- 95.14	45.14
14.416	14.416 (1.002)	72	8087			5.66- 105.66	55.66
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	22578	0.50000	0.4662	50.00- 150.00	100.00(a)
14.499	14.499 (1.008)	85	15432			15.76- 115.76	68.35

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane						CAS #: 71-55-6		
14.720	14.720 (1.023)	97	17733	0.50000	0.5000		50.00- 150.00	100.00
14.720	14.720 (1.023)	99	13565				26.50- 126.50	76.50
84 Cyclohexane						CAS #: 110-82-7		
14.693	14.693 (1.021)	84	13383	0.50000	0.5000		50.00- 150.00	100.00
14.693	14.693 (1.021)	56	13177				48.46- 148.46	98.46
14.693	14.693 (1.021)	41	7835				8.54- 108.54	58.54
85 Carbon Tetrachloride						CAS #: 56-23-5		
14.914	14.914 (1.036)	119	21186	0.50000	0.5000		50.00- 150.00	100.00
14.914	14.914 (1.036)	117	23417				60.53- 160.53	110.53
91 Benzene						CAS #: 71-43-2		
15.273	15.273 (0.962)	78	36390	0.50000	0.5000		50.00- 150.00	100.00
15.273	15.273 (0.962)	77	8774				0.00- 74.71	24.11
88 2,2,4-Trimethylpentane						CAS #: 540-84-1		
15.246	15.246 (1.060)	57	33335	0.50000	0.5000		50.00- 150.00	100.00
15.218	15.218 (1.058)	56	10352				0.00- 81.05	31.05
15.246	15.246 (1.060)	41	10415				0.00- 81.24	31.24
93 1,2-Dichloroethane						CAS #: 107-06-2		
15.384	15.384 (0.969)	62	19121	0.50000	0.5000		50.00- 150.00	100.00
15.384	15.384 (0.969)	64	6486				0.00- 83.92	33.92
94 Heptane						CAS #: 142-82-5		
15.494	15.494 (0.976)	71	10090	0.50000	0.5000		50.00- 150.00	100.00
15.494	15.494 (0.976)	43	14181				90.55- 190.55	140.55
15.494	15.494 (0.976)	57	9464				43.80- 143.80	93.80
97 Trichloroethene						CAS #: 79-01-6		
16.269	16.269 (1.024)	95	15015	0.50000	0.5000		50.00- 150.00	100.00
16.269	16.269 (1.024)	130	15999				56.55- 156.55	106.55
16.269	16.269 (1.024)	97	9457				12.98- 112.98	62.98
102 1,2-Dichloropropane						CAS #: 78-87-5		
16.711	16.711 (1.052)	63	10337	0.50000	0.5000		50.00- 150.00	100.00
16.711	16.711 (1.052)	62	7392				21.51- 121.51	71.51
16.711	16.711 (1.052)	41	7659				24.09- 124.09	74.09
106 Bromodichloromethane						CAS #: 75-27-4		
17.098	17.098 (1.077)	83	22336	0.50000	0.5000		50.00- 150.00	100.00
17.098	17.098 (1.077)	85	14592				15.33- 115.33	65.33
109 cis-1,3-Dichloropropene						CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	16614	0.50000	0.5000		50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
109 cis-1,3-Dichloropropene (continued)							
17.762	17.762 (1.118)	77	5297			0.00- 81.88	31.88
17.762	17.762 (1.118)	39	8933			3.77- 103.77	53.77
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.955	17.955 (1.131)	58	9044	0.50000	0.5000	50.00- 150.00	100.00
17.928	17.928 (1.129)	43	22784			201.92- 301.92	251.92
17.928	17.928 (1.129)	85	4905			4.23- 104.23	54.23
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	40698	0.50000	0.5000	50.00- 150.00	100.00
18.204	18.204 (1.146)	92	24478			10.15- 110.15	60.15
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	17633	0.50000	0.5000	50.00- 150.00	100.00
18.564	18.564 (0.922)	77	6939			0.00- 89.35	39.35
18.564	18.564 (0.922)	39	7858			0.00- 94.56	44.56
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	14350	0.50000	0.5000	50.00- 150.00	100.00
18.840	18.840 (0.935)	99	9809			18.36- 118.36	68.36
18.840	18.840 (0.935)	83	10546			23.49- 123.49	73.49
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	20055	0.50000	0.5000	50.00- 150.00	100.00
18.951	18.951 (0.941)	129	14325			21.43- 121.43	71.43
18.951	18.951 (0.941)	131	14083			20.22- 120.22	70.22
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	20556	0.50000	0.5000	50.00- 150.00	100.00
19.365	19.365 (0.962)	127	16820			31.83- 131.83	81.83
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	21414	0.50000	0.5000	50.00- 150.00	100.00
19.587	19.587 (0.973)	109	20707			46.70- 146.70	96.70
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	37196	0.50000	0.5000	50.00- 150.00	100.00
20.195	20.195 (1.003)	114	12024			0.00- 82.33	32.33
20.167	20.167 (1.001)	77	31615			35.00- 135.00	85.00
125 Ethyl Benzene					CAS #: 100-41-4		
20.278	20.278 (1.007)	106	21508	0.50000	0.5000	50.00- 150.00	100.00
20.250	20.250 (1.005)	91	62034			238.42- 338.42	288.42
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	22469	0.50000	0.5000	50.00- 150.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
128 m,p-Xylene (continued)								
20.416	20.416	(1.014)	91	52637			184.26- 284.26	234.26
130 o-Xylene						CAS #: 95-47-6		
20.941	20.941	(1.040)	106	23735	0.50000	0.5000	50.00- 150.00	100.00
20.941	20.941	(1.040)	91	48432			154.05- 254.05	204.05
131 Styrene						CAS #: 100-42-5		
20.969	20.969	(1.041)	104	30329	0.50000	0.4616	50.00- 150.00	100.00(a)
20.969	20.969	(1.041)	78	16656			9.35- 109.35	54.92
133 Bromoform						CAS #: 75-25-2		
21.273	21.273	(1.056)	173	20510	0.50000	0.5000	50.00- 150.00	100.00
21.273	21.273	(1.056)	171	11151			4.37- 104.37	54.37
134 Cumene						CAS #: 98-82-8		
21.384	21.384	(1.062)	105	63697	0.50000	0.4742	50.00- 150.00	100.00(a)
21.384	21.384	(1.062)	120	21092			0.00- 82.35	33.11
21.356	21.356	(1.060)	51	5537			0.00- 59.61	8.69
138 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
21.799	21.799	(1.082)	83	27869	0.50000	0.5000	50.00- 150.00	100.00
21.799	21.799	(1.082)	85	20150			22.30- 122.30	72.30
140 Propylbenzene						CAS #: 103-65-1		
21.881	21.881	(1.086)	91	80609	0.50000	0.5000	50.00- 150.00	100.00
21.881	21.881	(1.086)	120	17829			0.00- 72.12	22.12
21.881	21.881	(1.086)	105	3963			0.00- 54.92	4.92
144 4-Ethyltoluene						CAS #: 622-96-8		
22.020	22.020	(1.093)	105	73334	0.50000	0.5000	50.00- 150.00	100.00
22.020	22.020	(1.093)	120	23621			0.00- 82.21	32.21
146 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
22.075	22.075	(1.096)	105	54237	0.50000	0.5000	50.00- 150.00	100.00
22.075	22.075	(1.096)	120	30504			6.24- 106.24	56.24
152 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
22.545	22.545	(1.119)	105	51297	0.50000	0.5000	50.00- 150.00	100.00
22.545	22.545	(1.119)	120	23788			0.00- 96.37	46.37
158 1,3-Dichlorobenzene						CAS #: 541-73-1		
22.960	22.960	(1.140)	146	35182	0.50000	0.5000	50.00- 150.00	100.00
22.960	22.960	(1.140)	148	21966			12.44- 112.44	62.44
22.960	22.960	(1.140)	111	13160			0.00- 87.41	37.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.070	23.070 (1.146)	146	30959	0.50000	0.5000	50.00- 150.00	100.00
23.070	23.070 (1.146)	148	23849			27.03- 127.03	77.03
23.070	23.070 (1.146)	111	12585			0.00- 90.65	40.65
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.236	23.236 (1.154)	91	40458	0.50000	0.5000	50.00- 150.00	100.00
23.236	23.236 (1.154)	126	9172			0.00- 72.67	22.67
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.540	23.540 (1.169)	146	32143	0.50000	0.5000	50.00- 150.00	100.00
23.540	23.540 (1.169)	148	19655			11.15- 111.15	61.15
23.540	23.540 (1.169)	111	14692			0.00- 95.71	45.71
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	17840	0.50000	0.5000	50.00- 150.00	100.00
25.393	25.393 (1.261)	182	18063			51.25- 151.25	101.25
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	18358	0.50000	0.5000	50.00- 150.00	100.00
16.490	16.490 (1.146)	98	9671			2.68- 102.68	52.68
16.490	16.490 (1.146)	55	13067			21.18- 121.18	71.18

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112403.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 2.0ppbv-0.5ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	339751	-4.38
95 1,4-Difluorobenze	1527420	916452	2138388	1456971	-4.61
123 Chlorobenzene-d5	1400994	840596	1961392	1313982	-6.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-24nov.b/1112403.d

Date : 24-NOV-2007 18:18

Client ID: level 2

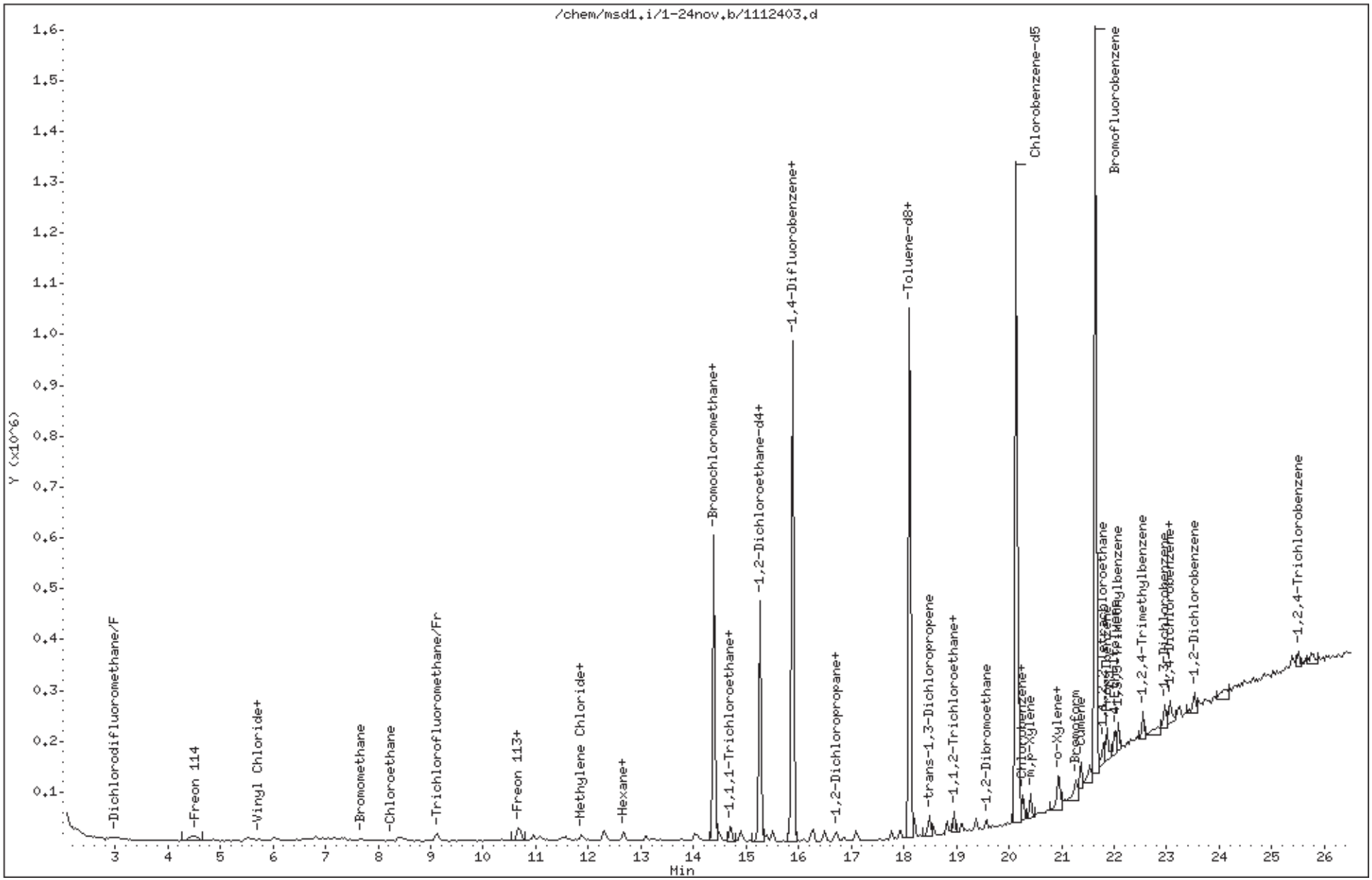
Sample Info: 25ml #1541-2

Column phase: RTx-624

Instrument: msd1.i

Operator: dm

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-12dec.b/1121208.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 12-DEC-2007 14:51
Operator : sjr Inst ID: msd1.i
Smp Info : 1.0mL #1443-390
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msd1.i/1-12dec.b/t14q1124b.m
Meth Date : 13-Dec-2007 08:11 sruth Quant Type: ISTD
Cal Date : 12-DEC-2007 14:51 Cal File: 1121208.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane					CAS #: 74-97-5		
14.389	14.389 (1.000)	130	203774	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	159805			26.97- 126.97	78.42
14.389	14.389 (1.000)	49	230659			63.08- 163.08	113.19
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.882	15.882 (1.000)	114	905453	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	150117			0.00- 66.00	16.58
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	809205	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	435311			2.07- 102.07	53.79
19 Freon142b					CAS #: 75-68-3		
4.739	4.739 (0.329)	65	46200	2.00000	1.680	50.00- 150.00	100.00(aMH)
4.711	4.711 (0.327)	45	5317			0.00- 65.77	11.51
9 Freon 134a					CAS #: 811-97-2		
2.444	2.444 (0.170)	83	18340	2.00000	1.783	50.00- 150.00	100.00(a)
2.472	2.472 (0.172)	69	17693			46.79- 146.79	96.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 134a (continued)							
2.416	2.416 (0.168)	63	1484			0.00- 59.25	8.09
13 Freon 152a					CAS #: 75-37-6		
2.776	2.776 (0.193)	65	14832	2.00000	1.894	50.00- 150.00	100.00(aM)
2.803	2.803 (0.195)	51	24190			118.88- 218.88	163.09
2.720	2.720 (0.189)	47	1089			0.00- 79.98	7.34
15 Freon 22					CAS #: 75-45-6		
3.522	3.522 (0.245)	51	33511	2.00000	1.811	50.00- 150.00	100.00(a)
3.495	3.495 (0.243)	67	6528			0.00- 69.80	19.48
0.000	1.000 (0.000)	85	0			0.00- 51.97	0.00
32 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
9.301	9.301 (0.646)	67	30676	2.00000	1.669	50.00- 150.00	100.00(a)
9.301	9.301 (0.646)	69	9876			0.00- 82.01	32.19
0.000	1.000 (0.000)	35	0			0.00- 55.43	0.00
40 Freon123a					CAS #: 354-23-4		
10.490	10.490 (0.729)	117	17840	2.00000	1.605	50.00- 150.00	100.00(a)
10.490	10.490 (0.729)	67	21396			68.68- 168.68	119.93
41 Freon123					CAS #: 306-83-2		
10.684	10.684 (0.742)	83	28134	2.00000	1.638	50.00- 150.00	100.00(a)
10.684	10.684 (0.742)	133	7070			0.00- 75.91	25.13
10.684	10.684 (0.742)	85	17842			15.25- 115.25	63.42
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
12.232	12.232 (0.850)	59	9751	2.00000	1.736	50.00- 150.00	100.00(a)
12.232	12.232 (0.850)	41	3064			0.00- 81.42	31.42
0.000	1.000 (0.000)	57	0			0.00- 50.00	0.00
66 Isopropyl ether					CAS #: 108-20-3		
13.117	13.117 (0.912)	45	37889	2.00000	1.386	50.00- 150.00	100.00(a)
13.117	13.117 (0.912)	87	13495			0.00- 83.90	35.62
13.144	13.144 (0.914)	59	4832			0.00- 62.43	12.75
72 t-Butylethyl Ether					CAS #: 637-92-3		
13.670	13.670 (0.950)	59	16848	2.00000	1.206	50.00- 150.00	100.00(a)
13.697	13.697 (0.952)	87	7254			0.00- 93.51	43.06
13.670	13.670 (0.950)	41	4495			0.00- 70.98	26.68
73 Ethyl Acetate					CAS #: 141-78-6		
14.140	14.140 (0.983)	45	3472	2.00000	1.468	50.00- 150.00	100.00(a)
14.112	14.112 (0.981)	61	2367			34.05- 134.05	68.17
14.112	14.112 (0.981)	43	23723			653.17- 753.17	683.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.356	15.356 (1.067)	73	22441	2.00000	1.383	50.00- 150.00	100.00(a)
15.356	15.356 (1.067)	87	5690			0.00- 75.67	25.36
15.356	15.356 (1.067)	55	5409			0.00- 72.34	24.10
132 2-Heptanone					CAS #: 110-43-0		
21.052	21.052 (1.463)	58	28417	2.00000	1.487	50.00- 150.00	100.00(a)
21.052	21.052 (1.463)	43	45740			101.54- 201.54	160.96
96 1-Butanol					CAS #: 71-36-3		
16.130	16.130 (1.016)	56	5283	2.00000	1.014	50.00- 150.00	100.00(a)
16.103	16.103 (1.014)	41	4733			29.68- 129.68	89.59
16.130	16.130 (1.016)	43	2636			0.99- 100.99	49.90
120 Butyl Acetate					CAS #: 123-86-4		
19.200	19.200 (1.209)	56	17193	2.00000	1.439	50.00- 150.00	100.00(a)
19.200	19.200 (1.209)	73	9059			0.00- 99.04	52.69
19.172	19.172 (1.207)	43	38989			175.11- 275.11	226.77
135 Cyclohexanone					CAS #: 108-94-1		
21.605	21.605 (1.073)	55	24631	2.00000	1.896	50.00- 150.00	100.00(a)
21.605	21.605 (1.073)	98	12215			1.56- 101.56	49.59
21.605	21.605 (1.073)	42	14904			14.07- 114.07	60.51
148 Diisobutyl Ketone					CAS #: 108-83-8		
22.213	22.213 (1.103)	57	70248	2.00000	1.938	50.00- 150.00	100.00(a)
22.213	22.213 (1.103)	85	69334			48.67- 148.67	98.70
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1121208.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd1.i/1-12dec.b/t14q1124b.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 12-DEC-2007
Calibration Time: 15:24
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	201823	121094	282552	203774	0.97
95 1,4-Difluorobenze	887027	532216	1241838	905453	2.08
123 Chlorobenzene-d5	800945	480567	1121323	809205	1.03

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

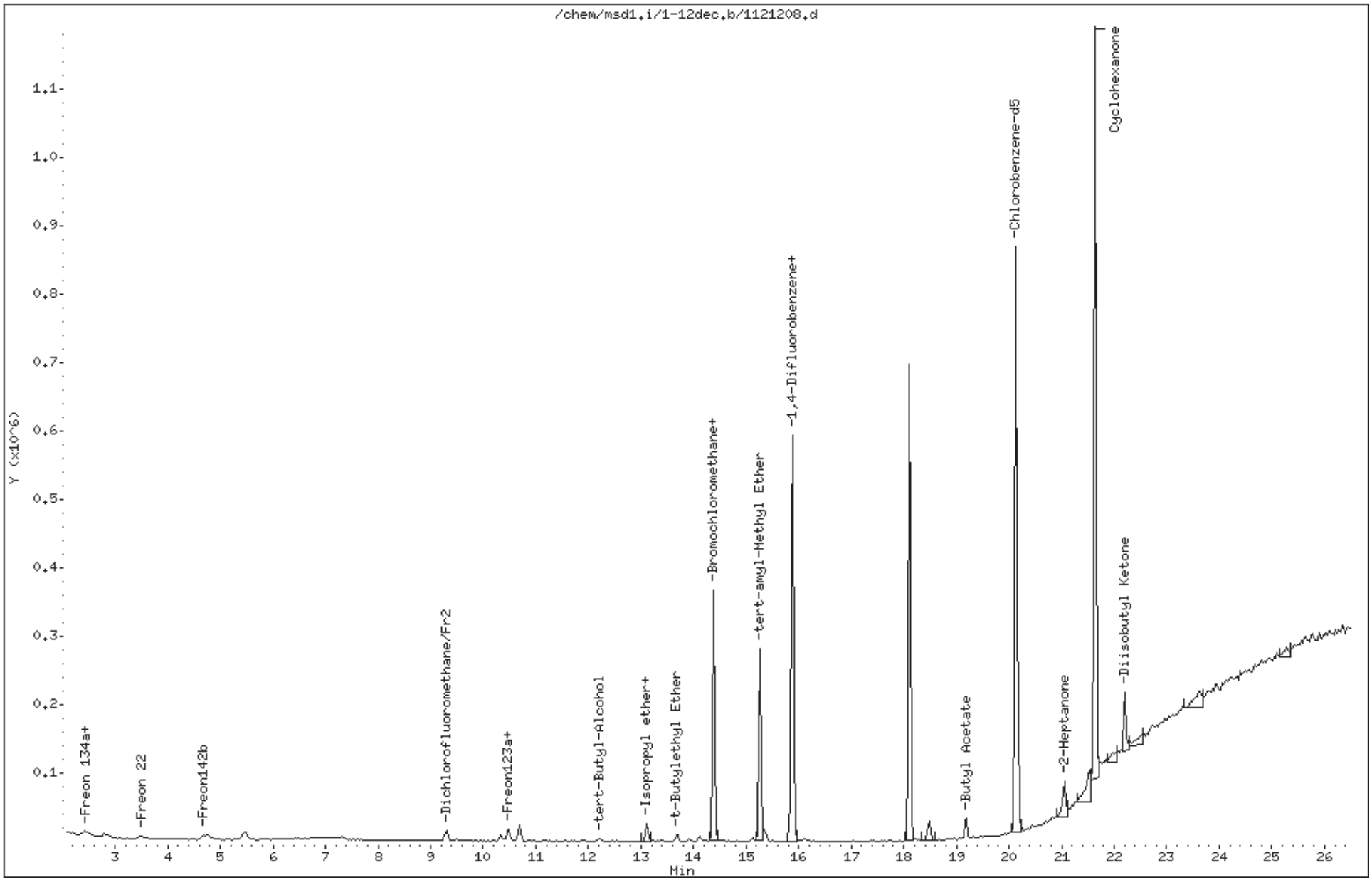
0134

Data File: /chem/msd1.i/1-12dec.b/1121208.d
Date : 12-DEC-2007 14:51
Client ID: Level 3
Sample Info: 1.0mL #1443-390

Instrument: msd1.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112404.d
Lab Smp Id: ICAL Client Smp ID: level 3
Inj Date : 24-NOV-2007 20:10
Operator : dm Inst ID: msd1.i
Smp Info : 1.0ml #1576-96
Misc Info : 200ppbv-2.0ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:00 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 20:10 Cal File: 1112404.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane					CAS #: 74-97-5		
14.389	14.389 (1.000)	130	312028	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	245427			27.68- 127.68	78.66
14.389	14.389 (1.000)	49	353748			62.48- 162.48	113.37
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.882	15.882 (1.000)	114	1344324	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	206887			0.00- 65.66	15.39
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	1225548	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	634947			1.49- 101.49	51.81
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.273	15.273 (1.061)	65	519617	25.0000	25.514	50.00- 150.00	100.00
15.273	15.273 (1.061)	67	254825			0.00- 99.09	49.04
$ 111 Toluene-d8					CAS #: 2037-26-5		
18.094	18.094 (1.139)	98	1230130	25.0000	24.942	50.00- 150.00	100.00
18.094	18.094 (1.139)	70	126025			0.00- 60.41	10.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	850846			17.97- 117.97	69.17
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	708082	25.0000	25.304	50.00- 150.00	100.00
21.633	21.633 (1.074)	95	841750			68.54- 168.54	118.88
21.633	21.633 (1.074)	176	686938			47.06- 147.06	97.01
12 Propylene					CAS #: 115-07-1		
2.610	2.610 (0.181)	41	26836	2.00000	2.000	50.00- 150.00	100.00
2.610	2.610 (0.181)	42	10979			0.00- 90.91	40.91
2.638	2.638 (0.183)	39	25756			45.98- 145.98	95.98
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.052	3.052 (0.212)	85	126358	2.00000	1.955	50.00- 150.00	100.00(M)
3.052	3.052 (0.212)	87	38361			0.00- 69.07	30.36
17 Freon 114					CAS #: 76-14-2		
4.490	4.490 (0.312)	135	86420	2.00000	1.919	50.00- 150.00	100.00
4.518	4.518 (0.314)	137	26678			0.00- 79.30	30.87
21 Chloromethane					CAS #: 74-87-3		
4.794	4.794 (0.333)	50	36054	2.00000	2.000	50.00- 150.00	100.00
4.822	4.822 (0.335)	52	11841			0.00- 82.84	32.84
23 Vinyl Chloride					CAS #: 75-01-4		
5.762	5.762 (0.400)	62	38244	2.00000	1.655	50.00- 150.00	100.00
5.762	5.762 (0.400)	64	11757			0.00- 76.95	30.74
24 1,3-Butadiene					CAS #: 106-99-0		
6.038	6.038 (0.420)	54	24520	2.00000	1.814	50.00- 150.00	100.00
6.038	6.038 (0.420)	39	26256			85.18- 185.18	107.08
26 Bromomethane					CAS #: 74-83-9		
7.697	7.697 (0.535)	94	26877	2.00000	2.071	50.00- 150.00	100.00
7.670	7.670 (0.533)	96	26046			59.57- 159.57	96.91
28 Chloroethane					CAS #: 75-00-3		
8.250	8.250 (0.573)	64	18423	2.00000	1.906	50.00- 150.00	100.00
8.223	8.223 (0.571)	49	4925			0.00- 75.30	26.73
8.250	8.250 (0.573)	66	6375			0.00- 90.43	34.60
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.135	9.135 (0.635)	101	107592	2.00000	1.858	50.00- 150.00	100.00
9.135	9.135 (0.635)	103	73538			19.04- 119.04	68.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.324	10.324 (0.718)	45	12951	2.00000	2.000	50.00- 150.00	100.00
10.324	10.324 (0.718)	43	4517			0.00- 84.88	34.88
10.324	10.324 (0.718)	46	5277			0.00- 90.75	40.75
43 Freon 113					CAS #: 76-13-1		
10.684	10.684 (0.742)	151	47570	2.00000	1.764	50.00- 150.00	100.00
10.711	10.711 (0.744)	153	34105			21.46- 121.46	71.69
10.684	10.684 (0.742)	101	59433			74.95- 174.95	124.94
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.656	10.656 (0.741)	61	57692	2.00000	1.838	50.00- 150.00	100.00
10.656	10.656 (0.741)	96	34125			24.28- 124.28	59.15
10.656	10.656 (0.741)	98	20526			0.00- 86.67	35.58
45 Acetone					CAS #: 67-64-1		
11.043	11.043 (0.767)	58	14239	2.00000	2.000	50.00- 150.00	100.00
11.043	11.043 (0.767)	43	57182			351.59- 451.59	401.59
46 2-Propanol					CAS #: 67-63-0		
11.485	11.485 (0.798)	45	43980	2.00000	2.000	50.00- 150.00	100.00
11.485	11.485 (0.798)	43	12644			0.00- 78.75	28.75
11.485	11.485 (0.798)	59	1911			0.00- 54.35	4.35
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	88207	2.00000	1.645	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	7208	2.00000	2.000	50.00- 150.00	100.00
11.568	11.568 (0.804)	41	22260			258.82- 358.82	308.82
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	28592	2.00000	1.722	50.00- 150.00	100.00
11.872	11.872 (0.825)	84	26200			38.28- 138.28	91.63
11.872	11.872 (0.825)	51	9741			0.00- 81.67	34.07
58 MTBE					CAS #: 1634-04-4		
12.315	12.315 (0.856)	73	45008	2.00000	1.711	50.00- 150.00	100.00
12.287	12.287 (0.854)	57	8926			0.00- 71.06	19.83
12.287	12.287 (0.854)	41	9419			0.00- 76.24	20.93
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.315	12.315 (0.856)	96	33267	2.00000	1.598	50.00- 150.00	100.00
12.315	12.315 (0.856)	61	45806			73.02- 173.02	137.69
12.315	12.315 (0.856)	98	19468			1.93- 101.93	58.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	38950	2.00000	1.764	50.00- 150.00	100.00
12.674	12.674 (0.881)	43	24506			13.66- 113.66	62.92
12.702	12.702 (0.883)	86	9053			0.00- 70.21	23.24
67 Vinyl Acetate					CAS #: 108-05-4		
13.200	13.200 (0.917)	86	3402	2.00000	2.000	50.00- 150.00	100.00
13.200	13.200 (0.917)	43	26947			742.09- 842.09	792.09
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.117	13.117 (0.912)	63	43193	2.00000	1.695	50.00- 150.00	100.00
13.089	13.089 (0.910)	65	15189			0.00- 81.21	35.17
75 2-Butanone					CAS #: 78-93-3		
14.084	14.084 (0.979)	72	11662	2.00000	1.704	50.00- 150.00	100.00
14.084	14.084 (0.979)	43	54365			406.19- 506.19	466.17
14.057	14.057 (0.977)	57	3439			0.00- 82.06	29.49
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	42000	2.00000	1.950	50.00- 150.00	100.00
14.029	14.029 (0.975)	96	30895			37.37- 137.37	73.56
14.029	14.029 (0.975)	98	20138			4.18- 104.18	47.95
78 Tetrahydrofuran					CAS #: 109-99-9		
14.416	14.416 (1.002)	42	36886	2.00000	1.635	50.00- 150.00	100.00
14.416	14.416 (1.002)	71	19543			0.00- 99.06	52.98
14.416	14.416 (1.002)	72	19242			3.91- 103.91	52.17
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	67144	2.00000	1.644	50.00- 150.00	100.00
14.499	14.499 (1.008)	85	44759			16.06- 116.06	66.66
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	54109	2.00000	1.815	50.00- 150.00	100.00
14.720	14.720 (1.023)	99	35217			20.79- 120.79	65.09
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	39047	2.00000	1.771	50.00- 150.00	100.00
14.693	14.693 (1.021)	56	41670			52.59- 152.59	106.72
14.693	14.693 (1.021)	41	25961			12.52- 112.52	66.49
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	61754	2.00000	1.770	50.00- 150.00	100.00
14.914	14.914 (1.036)	117	68392			60.64- 160.64	110.75
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	100308	2.00000	1.710	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.273	15.273 (0.962)	77	25696			0.00- 75.01	25.62
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.218	15.218 (1.058)	57	98226	2.00000	1.780	50.00- 150.00	100.00
15.218	15.218 (1.058)	56	31632			0.00- 81.63	32.20
15.218	15.218 (1.058)	41	26746			0.00- 79.24	27.23
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	46025	2.00000	1.579	50.00- 150.00	100.00
15.384	15.384 (0.969)	64	16375			0.00- 84.75	35.58
94 Heptane					CAS #: 142-82-5		
15.495	15.495 (0.976)	71	28672	2.00000	1.740	50.00- 150.00	100.00
15.495	15.495 (0.976)	43	40431			90.78- 190.78	141.01
15.495	15.495 (0.976)	57	25313			41.04- 141.04	88.28
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	39268	2.00000	1.659	50.00- 150.00	100.00
16.269	16.269 (1.024)	130	43829			59.08- 159.08	111.62
16.269	16.269 (1.024)	97	25199			13.58- 113.58	64.17
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	28456	2.00000	1.709	50.00- 150.00	100.00
16.711	16.711 (1.052)	62	21883			24.21- 124.21	76.90
16.711	16.711 (1.052)	41	19763			21.77- 121.77	69.45
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	23864	2.00000	2.000	50.00- 150.00	100.00
16.849	16.849 (1.061)	58	14031			8.80- 108.80	58.80
16.849	16.849 (1.061)	57	5040			0.00- 71.12	21.12
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	62015	2.00000	1.717	50.00- 150.00	100.00
17.098	17.098 (1.077)	85	38692			13.86- 113.86	62.39
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	45171	2.00000	1.697	50.00- 150.00	100.00
17.762	17.762 (1.118)	77	14690			0.00- 82.20	32.52
17.762	17.762 (1.118)	39	20815			0.00- 99.92	46.08
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	22742	2.00000	1.621	50.00- 150.00	100.00
17.928	17.928 (1.129)	43	53682			193.99- 293.99	236.05
17.928	17.928 (1.129)	85	12129			3.78- 103.78	53.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	127490	2.00000	1.836	50.00- 150.00	100.00
18.204	18.204 (1.146)	92	71350			8.06- 108.06	55.97
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	48132	2.00000	1.690	50.00- 150.00	100.00
18.564	18.564 (0.922)	77	16361			0.00- 86.67	33.99
18.564	18.564 (0.922)	39	19347			0.00- 92.38	40.20
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	38357	2.00000	1.670	50.00- 150.00	100.00
18.840	18.840 (0.935)	99	23778			15.17- 115.17	61.99
18.840	18.840 (0.935)	83	29460			25.15- 125.15	76.80
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	57039	2.00000	1.730	50.00- 150.00	100.00
18.951	18.951 (0.941)	129	39903			20.69- 120.69	69.96
18.951	18.951 (0.941)	131	35909			16.59- 116.59	62.96
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	29790	2.00000	2.000	50.00- 150.00	100.00
19.089	19.089 (0.948)	43	55787			137.27- 237.27	187.27
19.117	19.117 (0.949)	100	8684			0.00- 79.15	29.15
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	53607	2.00000	1.646	50.00- 150.00	100.00
19.365	19.365 (0.962)	127	41484			29.61- 129.61	77.39
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	58399	2.00000	1.689	50.00- 150.00	100.00
19.587	19.587 (0.973)	109	53846			44.45- 144.45	92.20
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	93935	2.00000	1.615	50.00- 150.00	100.00
20.195	20.195 (1.003)	114	29986			0.00- 82.12	31.92
20.195	20.195 (1.003)	77	68845			29.14- 129.14	73.29
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	52658	2.00000	1.585	50.00- 150.00	100.00
20.250	20.250 (1.005)	91	163001			248.98- 348.98	309.55
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	63518	2.00000	1.724	50.00- 150.00	100.00
20.416	20.416 (1.014)	91	134641			173.12- 273.12	211.97
130 o-Xylene					CAS #: 95-47-6		
20.942	20.942 (1.040)	106	59578	2.00000	1.609	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.942	20.942 (1.040)	91	123829			155.95- 255.95	207.84
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	79817	2.00000	1.474	50.00- 150.00	100.00
20.969	20.969 (1.041)	78	40966			6.67- 106.67	51.32
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	52974	2.00000	1.636	50.00- 150.00	100.00
21.273	21.273 (1.056)	171	24896			0.68- 100.68	47.00
134 Cumene					CAS #: 98-82-8		
21.384	21.384 (1.062)	105	166440	2.00000	1.496	50.00- 150.00	100.00
21.384	21.384 (1.062)	120	47352			0.00- 81.05	28.45
21.356	21.356 (1.060)	51	16702			0.00- 59.75	10.03
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.799	21.799 (1.082)	83	72654	2.00000	1.645	50.00- 150.00	100.00
21.799	21.799 (1.082)	85	50850			21.15- 121.15	69.99
140 Propylbenzene					CAS #: 103-65-1		
21.882	21.882 (1.086)	91	196881	2.00000	1.582	50.00- 150.00	100.00
21.882	21.882 (1.086)	120	46009			0.00- 72.74	23.37
21.882	21.882 (1.086)	105	8260			0.00- 54.56	4.20
144 4-Ethyltoluene					CAS #: 622-96-8		
22.020	22.020 (1.093)	105	183331	2.00000	1.605	50.00- 150.00	100.00
22.020	22.020 (1.093)	120	53772			0.00- 80.77	29.33
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	133203	2.00000	1.588	50.00- 150.00	100.00
22.075	22.075 (1.096)	120	62534			1.59- 101.59	46.95
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	113361	2.00000	1.488	50.00- 150.00	100.00
22.545	22.545 (1.119)	120	50050			0.00- 95.26	44.15
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	69488	2.00000	1.385	50.00- 150.00	100.00
22.960	22.960 (1.140)	148	44615			13.32- 113.32	64.21
22.960	22.960 (1.140)	111	26529			0.00- 87.79	38.18
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.070	23.070 (1.146)	146	67310	2.00000	1.473	50.00- 150.00	100.00
23.070	23.070 (1.146)	148	42891			20.38- 120.38	63.72
23.070	23.070 (1.146)	111	24621			0.00- 88.61	36.58

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene						CAS #: 100-44-7		
23.236	23.236	(1.154)	91	74256	2.00000	1.319	50.00- 150.00	100.00
23.236	23.236	(1.154)	126	17200			0.00- 72.92	23.16
164 1,2-Dichlorobenzene						CAS #: 95-50-1		
23.541	23.541	(1.169)	146	54455	2.00000	1.249	50.00- 150.00	100.00
23.541	23.541	(1.169)	148	34878			12.60- 112.60	64.05
23.541	23.541	(1.169)	111	23786			0.00- 94.69	43.68
169 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
25.393	25.393	(1.261)	180	30111	2.00000	1.246	50.00- 150.00	100.00(a)
25.393	25.393	(1.261)	182	27313			45.98- 145.98	90.71
170 Hexachlorobutadiene						CAS #: 87-68-3		
25.504	25.504	(1.266)	225	28536	2.00000	2.000	50.00- 150.00	100.00
25.504	25.504	(1.266)	223	16357			7.32- 107.32	57.32
171 Naphthalene						CAS #: 91-20-3		
25.753	25.753	(1.279)	128	49740	2.00000	2.000	50.00- 150.00	100.00
25.753	25.753	(1.279)	127	13434			0.00- 77.01	27.01
22 Butane						CAS #: 106-97-8		
5.596	5.596	(0.389)	58	9460	2.00000	2.000	50.00- 150.00	100.00
5.596	5.596	(0.389)	43	64431			631.09- 731.09	681.09
29 Isopentane						CAS #: 78-78-4		
8.444	8.444	(0.587)	43	39592	2.00000	2.000	50.00- 150.00	100.00
8.416	8.416	(0.585)	57	29739			25.11- 125.11	75.11
99 Methyl Cyclohexane						CAS #: 108-87-2		
16.490	16.490	(1.146)	83	49844	2.00000	1.700	50.00- 150.00	100.00
16.490	16.490	(1.146)	98	25538			1.96- 101.96	51.24
16.490	16.490	(1.146)	55	35945			21.65- 121.65	72.11

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112404.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 200ppbv-2.0ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	312028	-12.19
95 1,4-Difluorobenze	1527420	916452	2138388	1344324	-11.99
123 Chlorobenzene-d5	1400994	840596	1961392	1225548	-12.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

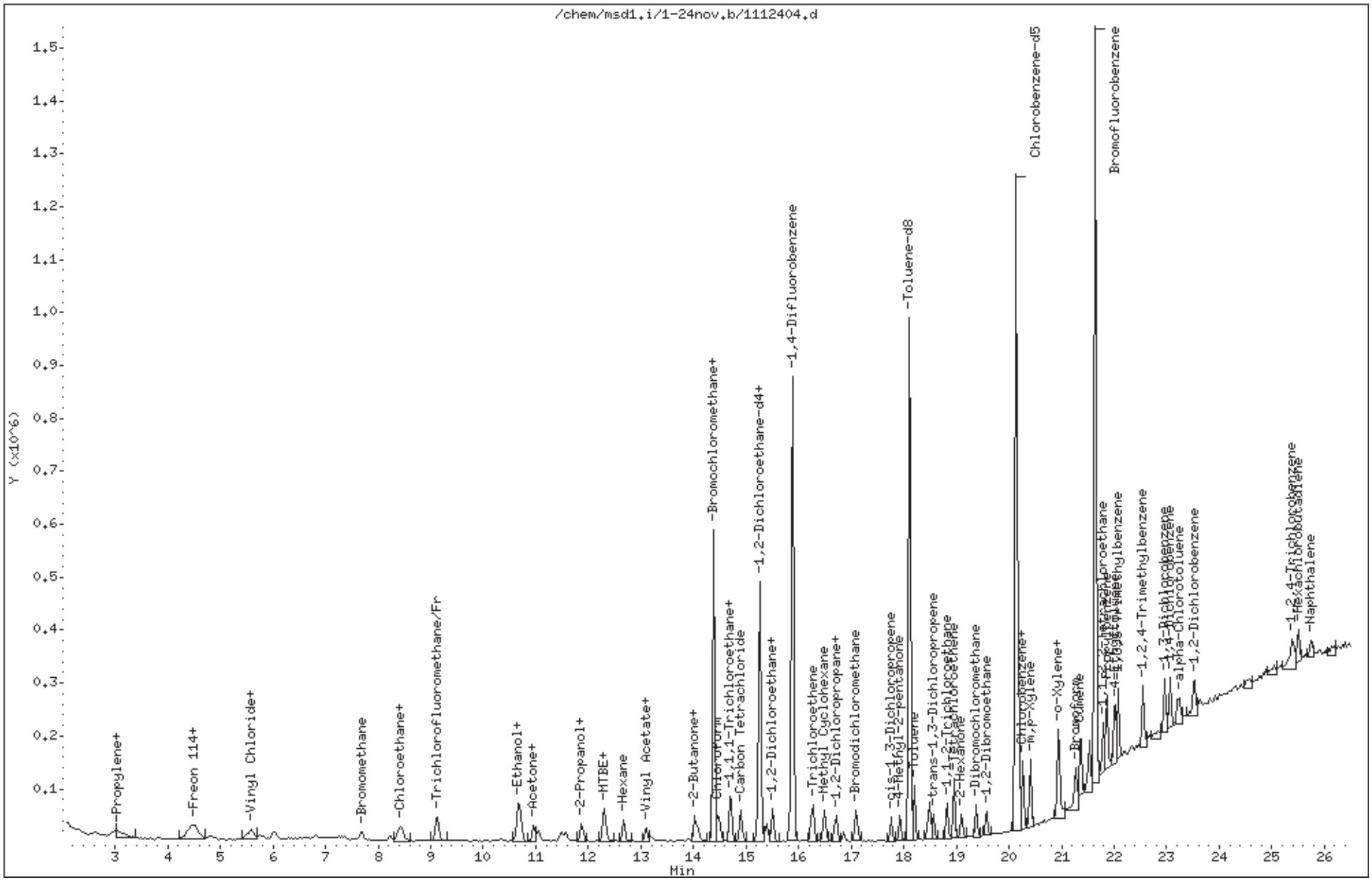
0144

Data File: /chem/msd1.i/1-24nov.b/1112404.d
Date : 24-NOV-2007 20:10
Client ID: level 3
Sample Info: 1.0ml #1576-96

Instrument: msd1.i

Operator: dm
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-25nov.b/1112503.d
Lab Smp Id: ICAL Level 4 Client Smp ID: Level 4
Inj Date : 25-NOV-2007 10:33
Operator : xp Inst ID: msd1.i
Smp Info : 12.5mL #1576-96
Misc Info : 200ppbv-25ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:01 lover Quant Type: ISTD
Cal Date : 25-NOV-2007 10:33 Cal File: 1112503.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	380758	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	292978			27.50- 127.50	76.95
14.389	14.389 (1.000)	49	425578			62.30- 162.30	111.77
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1600176	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	253768			0.00- 65.71	15.86
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1451092	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	739937			1.37- 101.37	50.99
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	610609	25.0000	24.676	50.00- 150.00	100.00
15.273	15.273 (1.061)	67	309983			0.00- 99.51	50.77
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	1457861	25.0000	24.875	50.00- 150.00	100.00
18.094	18.094 (1.139)	70	155496			0.00- 60.47	10.67

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)								
18.094	18.094	(1.139)	100	1006400			18.24- 118.24	69.03
$ 136 Bromofluorobenzene						CAS #: 460-00-4		
21.633	21.633	(1.074)	174	855249	25.0000	25.605	50.00- 150.00	100.00
21.633	21.633	(1.074)	95	1013984			68.54- 168.54	118.56
21.633	21.633	(1.074)	176	828728			47.02- 147.02	96.90
12 Propylene						CAS #: 115-07-1		
2.638	2.638	(0.183)	41	383248	25.0000	24.177	50.00- 150.00	100.00
2.638	2.638	(0.183)	42	273864			6.19- 106.19	71.46
2.638	2.638	(0.183)	39	310650			38.52- 138.52	81.06
14 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8		
3.052	3.052	(0.212)	85	1673688	25.0000	22.347	50.00- 150.00	100.00
3.052	3.052	(0.212)	87	532623			0.00- 73.32	31.82
17 Freon 114						CAS #: 76-14-2		
4.518	4.518	(0.314)	135	1241155	25.0000	23.334	50.00- 150.00	100.00
4.490	4.490	(0.312)	137	367593			0.00- 79.41	29.62
21 Chloromethane						CAS #: 74-87-3		
4.822	4.822	(0.335)	50	433347	25.0000	22.036	50.00- 150.00	100.00
4.822	4.822	(0.335)	52	145779			0.00- 83.24	33.64
23 Vinyl Chloride						CAS #: 75-01-4		
5.790	5.790	(0.402)	62	539325	25.0000	20.755	50.00- 150.00	100.00
5.790	5.790	(0.402)	64	167638			0.00- 78.33	31.08
24 1,3-Butadiene						CAS #: 106-99-0		
6.038	6.038	(0.420)	54	394463	25.0000	24.269	50.00- 150.00	100.00
6.038	6.038	(0.420)	39	381332			72.35- 172.35	96.67
26 Bromomethane						CAS #: 74-83-9		
7.697	7.697	(0.535)	94	394979	25.0000	24.960	50.00- 150.00	100.00
7.697	7.697	(0.535)	96	376167			54.79- 154.79	95.24
28 Chloroethane						CAS #: 75-00-3		
8.250	8.250	(0.573)	64	265237	25.0000	23.265	50.00- 150.00	100.00
8.250	8.250	(0.573)	49	60541			0.00- 74.47	22.83
8.250	8.250	(0.573)	66	87646			0.00- 87.97	33.04
34 Trichlorofluoromethane/Fr11						CAS #: 75-69-4		
9.135	9.135	(0.635)	101	1685107	25.0000	24.215	50.00- 150.00	100.00
9.135	9.135	(0.635)	103	1072034			17.23- 117.23	63.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	171867	25.0000	23.262	50.00- 150.00	100.00
10.269	10.269 (0.714)	43	40364			0.00- 79.18	23.49
10.269	10.269 (0.714)	46	65631			0.00- 89.47	38.19
43 Freon 113					CAS #: 76-13-1		
10.711	10.711 (0.744)	151	820458	25.0000	24.960	50.00- 150.00	100.00
10.711	10.711 (0.744)	153	508080			18.28- 118.28	61.93
10.684	10.684 (0.742)	101	970004			72.71- 172.71	118.23
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.656	10.656 (0.741)	61	893225	25.0000	23.858	50.00- 150.00	100.00
10.656	10.656 (0.741)	96	541706			19.73- 119.73	60.65
10.656	10.656 (0.741)	98	345548			0.00- 87.34	38.69
45 Acetone					CAS #: 67-64-1		
11.015	11.015 (0.766)	58	246903	25.0000	26.600	50.00- 150.00	100.00
11.015	11.015 (0.766)	43	859485			324.85- 424.85	348.11
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	955046	25.0000	29.370	50.00- 150.00	100.00
11.458	11.458 (0.796)	43	200880			0.00- 74.89	21.03
11.458	11.458 (0.796)	59	42083			0.00- 54.38	4.41
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	1471462	25.0000	23.265	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	155302	25.0000	29.275	50.00- 150.00	100.00
11.568	11.568 (0.804)	41	361131			220.68- 320.68	232.53
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	453029	25.0000	23.181	50.00- 150.00	100.00
11.872	11.872 (0.825)	84	417365			39.56- 139.56	92.13
11.872	11.872 (0.825)	51	141871			0.00- 81.55	31.32
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	753632	25.0000	23.968	50.00- 150.00	100.00
12.287	12.287 (0.854)	57	138936			0.00- 70.18	18.44
12.287	12.287 (0.854)	41	133405			0.00- 73.40	17.70
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.315	12.315 (0.856)	96	549651	25.0000	22.655	50.00- 150.00	100.00
12.315	12.315 (0.856)	61	751191			77.57- 177.57	136.67
12.315	12.315 (0.856)	98	351868			5.96- 105.96	64.02

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	659807	25.0000	24.653	50.00- 150.00	100.00
12.674	12.674 (0.881)	43	379903			11.63- 111.63	57.58
12.674	12.674 (0.881)	86	143722			0.00- 70.74	21.78
67 Vinyl Acetate					CAS #: 108-05-4		
13.200	13.200 (0.917)	86	62713	25.0000	27.360	50.00- 150.00	100.00
13.200	13.200 (0.917)	43	515520			757.06- 857.06	822.03
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.117	13.117 (0.912)	63	863290	25.0000	26.781	50.00- 150.00	100.00
13.117	13.117 (0.912)	65	272139			0.00- 81.31	31.52
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	256678	25.0000	28.555	50.00- 150.00	100.00
14.057	14.057 (0.977)	43	1003913			384.50- 484.50	391.12
14.057	14.057 (0.977)	57	78037			0.00- 81.51	30.40
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	700527	25.0000	26.081	50.00- 150.00	100.00
14.029	14.029 (0.975)	96	548566			34.35- 134.35	78.31
14.029	14.029 (0.975)	98	353673			2.95- 102.95	50.49
78 Tetrahydrofuran					CAS #: 109-99-9		
14.389	14.389 (1.000)	42	599496	25.0000	22.751	50.00- 150.00	100.00
14.389	14.389 (1.000)	71	296444			0.00- 99.19	49.45
14.389	14.389 (1.000)	72	312137			3.30- 103.30	52.07
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	1165016	25.0000	23.762	50.00- 150.00	100.00
14.499	14.499 (1.008)	85	772110			16.11- 116.11	66.27
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	1050095	25.0000	27.450	50.00- 150.00	100.00
14.720	14.720 (1.023)	99	666703			18.36- 118.36	63.49
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	722159	25.0000	26.195	50.00- 150.00	100.00
14.693	14.693 (1.021)	56	714753			51.38- 151.38	98.97
14.693	14.693 (1.021)	41	373210			8.90- 108.90	51.68
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	1122774	25.0000	25.895	50.00- 150.00	100.00
14.914	14.914 (1.036)	117	1222210			60.05- 160.05	108.86
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.246	15.246 (1.060)	57	1611316	25.0000	24.279	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.246	15.246 (1.060)	56	514007			0.00- 81.72	31.90
15.246	15.246 (1.060)	41	422244			0.00- 78.23	26.20
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	1672165	25.0000	24.291	50.00- 150.00	100.00
15.273	15.273 (0.962)	77	390560			0.00- 74.60	23.36
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	822712	25.0000	24.126	50.00- 150.00	100.00
15.384	15.384 (0.969)	64	259942			0.00- 83.70	31.60
94 Heptane					CAS #: 142-82-5		
15.495	15.495 (0.976)	71	491141	25.0000	25.027	50.00- 150.00	100.00
15.495	15.495 (0.976)	43	685239			90.36- 190.36	139.52
15.495	15.495 (0.976)	57	403370			38.07- 138.07	82.13
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	710076	25.0000	25.134	50.00- 150.00	100.00
16.269	16.269 (1.024)	130	744925			57.69- 157.69	104.91
16.269	16.269 (1.024)	97	467546			14.33- 114.33	65.84
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	535606	25.0000	26.313	50.00- 150.00	100.00
16.711	16.711 (1.052)	62	372697			22.67- 122.67	69.58
16.711	16.711 (1.052)	41	329911			18.38- 118.38	61.60
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	502888	25.0000	29.307	50.00- 150.00	100.00
16.849	16.849 (1.061)	58	301945			9.42- 109.42	60.04
16.849	16.849 (1.061)	57	99868			0.00- 70.49	19.86
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	1256314	25.0000	27.667	50.00- 150.00	100.00
17.098	17.098 (1.077)	85	790364			13.54- 113.54	62.91
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	933082	25.0000	27.798	50.00- 150.00	100.00
17.762	17.762 (1.118)	77	291852			0.00- 81.89	31.28
17.762	17.762 (1.118)	39	421820			0.00- 98.35	45.21
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	565320	25.0000	30.278	50.00- 150.00	100.00
17.928	17.928 (1.129)	43	1319578			190.46- 290.46	233.42
17.928	17.928 (1.129)	85	280485			2.39- 102.39	49.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	2141088	25.0000	25.599	50.00- 150.00	100.00
18.204	18.204 (1.146)	92	1254726			8.24- 108.24	58.60
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	1003671	25.0000	27.986	50.00- 150.00	100.00
18.564	18.564 (0.922)	77	316348			0.00- 84.95	31.52
18.564	18.564 (0.922)	39	415842			0.00- 92.06	41.43
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	721645	25.0000	25.999	50.00- 150.00	100.00
18.840	18.840 (0.935)	99	450960			14.28- 114.28	62.49
18.840	18.840 (0.935)	83	582508			27.01- 127.01	80.72
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	1067924	25.0000	26.526	50.00- 150.00	100.00
18.951	18.951 (0.941)	129	742137			20.29- 120.29	69.49
18.951	18.951 (0.941)	131	713053			16.65- 116.65	66.77
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	867534	25.0000	33.151	50.00- 150.00	100.00
19.089	19.089 (0.948)	43	1445597			126.95- 226.95	166.63
19.089	19.089 (0.948)	100	221300			0.00- 77.33	25.51
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	1237507	25.0000	29.316	50.00- 150.00	100.00
19.365	19.365 (0.962)	127	962603			29.00- 129.00	77.79
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	1162080	25.0000	27.161	50.00- 150.00	100.00
19.587	19.587 (0.973)	109	1095024			44.38- 144.38	94.23
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	1858768	25.0000	26.289	50.00- 150.00	100.00
20.195	20.195 (1.003)	114	590891			0.00- 82.01	31.79
20.195	20.195 (1.003)	77	1111208			22.69- 122.69	59.78
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	1006794	25.0000	25.392	50.00- 150.00	100.00
20.250	20.250 (1.005)	91	3251839			256.99- 356.99	322.99
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	1272305	25.0000	27.634	50.00- 150.00	100.00
20.416	20.416 (1.014)	91	2566438			165.98- 265.98	201.72
130 o-Xylene					CAS #: 95-47-6		
20.941	20.941 (1.040)	106	1205693	25.0000	26.611	50.00- 150.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	======	========	====	========	=======	=======	============	=====
130 o-Xylene (continued)								
20.941	20.941	(1.040)	91	2550330			157.81- 257.81	211.52
131 Styrene						CAS #: 100-42-5		
20.969	20.969	(1.041)	104	1983904	25.0000	29.206	50.00- 150.00	100.00
20.969	20.969	(1.041)	78	931839			4.25- 104.25	46.97
133 Bromoform						CAS #: 75-25-2		
21.273	21.273	(1.056)	173	1272524	25.0000	29.927	50.00- 150.00	100.00
21.273	21.273	(1.056)	171	663694			1.17- 101.17	52.16
134 Cumene						CAS #: 98-82-8		
21.384	21.384	(1.062)	105	3499619	25.0000	26.157	50.00- 150.00	100.00
21.384	21.384	(1.062)	120	889411			0.00- 79.64	25.41
21.356	21.356	(1.060)	51	271506			0.00- 59.26	7.76
138 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
21.799	21.799	(1.082)	83	1571940	25.0000	28.164	50.00- 150.00	100.00
21.799	21.799	(1.082)	85	1018201			19.02- 119.02	64.77
140 Propylbenzene						CAS #: 103-65-1		
21.882	21.882	(1.086)	91	4092308	25.0000	26.788	50.00- 150.00	100.00
21.882	21.882	(1.086)	120	905848			0.00- 72.54	22.14
21.882	21.882	(1.086)	105	155668			0.00- 54.31	3.80
144 4-Ethyltoluene						CAS #: 622-96-8		
22.020	22.020	(1.093)	105	3887898	25.0000	27.378	50.00- 150.00	100.00
22.020	22.020	(1.093)	120	1160464			0.00- 80.46	29.85
146 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
22.075	22.075	(1.096)	105	2950376	25.0000	27.951	50.00- 150.00	100.00
22.075	22.075	(1.096)	120	1390630			0.11- 100.11	47.13
152 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
22.545	22.545	(1.119)	105	2582469	25.0000	27.308	50.00- 150.00	100.00
22.545	22.545	(1.119)	120	1140947			0.00- 94.90	44.18
158 1,3-Dichlorobenzene						CAS #: 541-73-1		
22.960	22.960	(1.140)	146	1731679	25.0000	27.617	50.00- 150.00	100.00
22.960	22.960	(1.140)	148	1119247			13.76- 113.76	64.63
22.960	22.960	(1.140)	111	651573			0.00- 87.74	37.63
159 1,4-Dichlorobenzene						CAS #: 106-46-7		
23.070	23.070	(1.146)	146	1712710	25.0000	29.072	50.00- 150.00	100.00
23.070	23.070	(1.146)	148	1092199			18.18- 118.18	63.77
23.070	23.070	(1.146)	111	612779			0.00- 87.67	35.78

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.236	23.236 (1.154)	91	2214907	25.0000	29.942	50.00- 150.00	100.00
23.236	23.236 (1.154)	126	447975			0.00- 72.02	20.23
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.540	23.540 (1.169)	146	1488664	25.0000	27.436	50.00- 150.00	100.00
23.540	23.540 (1.169)	148	937767			12.73- 112.73	62.99
23.540	23.540 (1.169)	111	574672			0.00- 92.66	38.60
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	1319928	25.0000	35.989	50.00- 150.00	100.00
25.393	25.393 (1.261)	182	1229994			45.05- 145.05	93.19
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.504	25.504 (1.266)	225	1016092	25.0000	35.319	50.00- 150.00	100.00
25.504	25.504 (1.266)	223	631757			9.75- 109.75	62.18
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	501015	25.0000	22.672	50.00- 150.00	100.00
8.416	8.416 (0.585)	57	384946			25.97- 125.97	76.83
22 Butane					CAS #: 106-97-8		
5.624	5.624 (0.391)	58	112382	25.0000	21.892	50.00- 150.00	100.00
5.596	5.596 (0.389)	43	767635			632.07- 732.07	683.06
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	860981	25.0000	24.368	50.00- 150.00	100.00
16.490	16.490 (1.146)	98	425853			1.13- 101.13	49.46
16.490	16.490 (1.146)	55	599265			20.97- 120.97	69.60
171 Naphthalene					CAS #: 91-20-3		
25.752	25.752 (1.279)	128	2619527	25.0000	39.031	50.00- 150.00	100.00
25.752	25.752 (1.279)	127	328909			0.00- 69.78	12.56

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112503.d
Lab Smp Id: ICAL Level 4
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 200ppbv-25ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	380758	7.16
95 1,4-Difluorobenze	1527420	916452	2138388	1600176	4.76
123 Chlorobenzene-d5	1400994	840596	1961392	1451092	3.58

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-25nov.b/1112503.d

Date : 25-NOV-2007 10:33

Client ID: Level 4

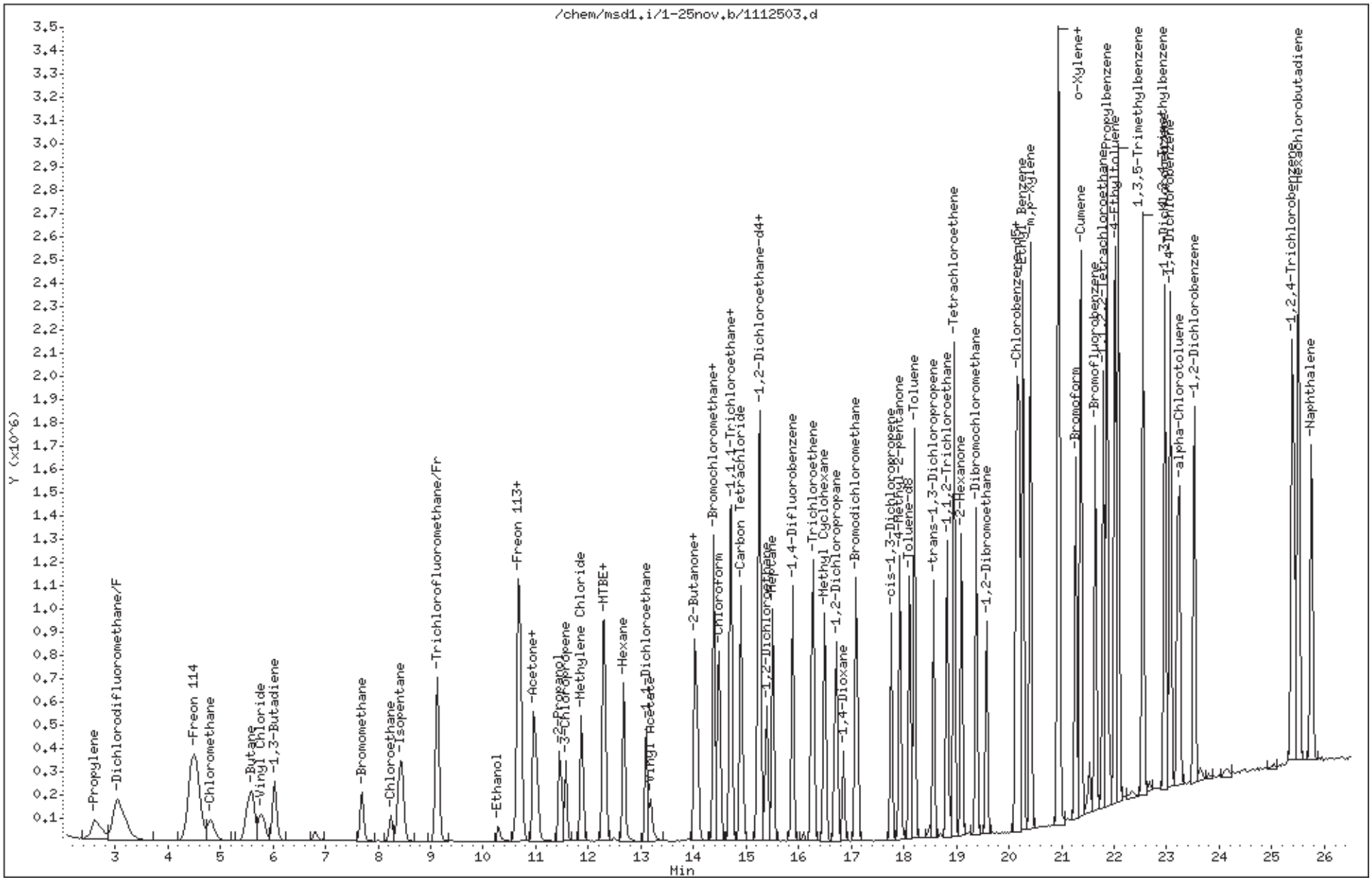
Sample Info: 12.5mL #1576-96

Column phase: RTx-624

Instrument: msd1.i

Operator: xp

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-12dec.b/1121209.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 12-DEC-2007 15:24
Operator : sjr Inst ID: msd1.i
Smp Info : 25mL #1443-390
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd1.i/1-12dec.b/t14q1124b.m
Meth Date : 13-Dec-2007 08:12 sruth Quant Type: ISTD
Cal Date : 12-DEC-2007 15:24 Cal File: 1121209.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	201823	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	153085			25.85- 125.85	75.85
14.389	14.389 (1.000)	49	222115			60.05- 160.05	110.05
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	887027	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	143528			0.00- 66.18	16.18
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	800945	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	426791			2.07- 102.07	53.29
19 Freon142b						CAS #: 75-68-3	
4.684	4.684 (0.326)	65	1491413	50.0000	54.776	80.00- 120.00	100.00
4.684	4.684 (0.326)	45	298888			0.00- 65.77	20.04
9 Freon 134a						CAS #: 811-97-2	
2.444	2.444 (0.170)	83	547614	50.0000	53.747	80.00- 120.00	100.00
2.444	2.444 (0.170)	69	528515			46.79- 146.79	96.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 134a (continued)							
2.416	2.416 (0.168)	63	52501			0.00- 59.25	9.59
13 Freon 152a					CAS #: 75-37-6		
2.776	2.776 (0.193)	65	400880	50.0000	51.699	80.00- 120.00	100.00
2.776	2.776 (0.193)	51	691449			118.88- 218.88	172.48
2.803	2.803 (0.195)	47	163443			0.00- 79.98	40.77
15 Freon 22					CAS #: 75-45-6		
3.495	3.495 (0.243)	51	969616	50.0000	52.896	80.00- 120.00	100.00
3.495	3.495 (0.243)	67	195089			0.00- 69.80	20.12
3.522	3.522 (0.245)	85	19070			0.00- 51.97	1.97
32 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
9.301	9.301 (0.646)	67	1003066	50.0000	55.099	80.00- 120.00	100.00
9.301	9.301 (0.646)	69	319279			0.00- 82.01	31.83
9.301	9.301 (0.646)	35	54483			0.00- 55.43	5.43
40 Freon123a					CAS #: 354-23-4		
10.490	10.490 (0.729)	117	620344	50.0000	56.355	80.00- 120.00	100.00
10.490	10.490 (0.729)	67	728514			68.68- 168.68	117.44
41 Freon123					CAS #: 306-83-2		
10.684	10.684 (0.742)	83	939025	50.0000	55.198	80.00- 120.00	100.00
10.684	10.684 (0.742)	133	250608			0.00- 75.91	26.69
10.684	10.684 (0.742)	85	630003			15.25- 115.25	67.09
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
12.204	12.204 (0.848)	59	280731	50.0000	50.472	80.00- 120.00	100.00
12.204	12.204 (0.848)	41	52510			0.00- 81.42	18.70
12.204	12.204 (0.848)	57	28972			0.00- 50.00	10.32
66 Isopropyl ether					CAS #: 108-20-3		
13.117	13.117 (0.912)	45	1529794	50.0000	56.503	80.00- 120.00	100.00
13.117	13.117 (0.912)	87	492431			0.00- 83.90	32.19
13.117	13.117 (0.912)	59	185181			0.00- 62.43	12.10
72 t-Butylethyl Ether					CAS #: 637-92-3		
13.670	13.670 (0.950)	59	807410	50.0000	58.347	80.00- 120.00	100.00
13.670	13.670 (0.950)	87	354901			0.00- 93.51	43.96
13.670	13.670 (0.950)	41	123359			0.00- 70.98	15.28
73 Ethyl Acetate					CAS #: 141-78-6		
14.084	14.084 (0.979)	45	127643	50.0000	54.507	80.00- 120.00	100.00
14.084	14.084 (0.979)	61	127541			34.05- 134.05	99.92
14.084	14.084 (0.979)	43	922948			653.17- 753.17	723.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.356	15.356 (1.067)	73	920117	50.0000	57.271	80.00- 120.00	100.00
15.356	15.356 (1.067)	87	239015			0.00- 75.67	25.98
15.356	15.356 (1.067)	55	189373			0.00- 72.34	20.58
132 2-Heptanone					CAS #: 110-43-0		
21.052	21.052 (1.463)	58	990802	50.0000	52.336	80.00- 120.00	100.00
21.052	21.052 (1.463)	43	1408049			101.54- 201.54	142.11
96 1-Butanol					CAS #: 71-36-3		
16.103	16.103 (1.014)	56	275225	50.0000	53.902	80.00- 120.00	100.00
16.103	16.103 (1.014)	41	192040			29.68- 129.68	69.78
16.103	16.103 (1.014)	43	143339			0.99- 100.99	52.08
120 Butyl Acetate					CAS #: 123-86-4		
19.172	19.172 (1.207)	56	639886	50.0000	54.663	80.00- 120.00	100.00
19.172	19.172 (1.207)	73	290454			0.00- 95.39	45.39
19.172	19.172 (1.207)	43	1429772			173.44- 273.44	223.44
135 Cyclohexanone					CAS #: 108-94-1		
21.605	21.605 (1.073)	55	608751	50.0000	47.332	80.00- 120.00	100.00
21.605	21.605 (1.073)	98	320792			1.56- 101.56	52.70
21.605	21.605 (1.073)	42	399586			14.07- 114.07	65.64
148 Diisobutyl Ketone					CAS #: 108-83-8		
22.213	22.213 (1.103)	57	1772980	50.0000	49.418	80.00- 120.00	100.00
22.213	22.213 (1.103)	85	1748809			48.64- 148.64	98.64
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1121209.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd1.i/1-12dec.b/t14q1124b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 12-DEC-2007
Calibration Time: 15:24
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	201823	121094	282552	201823	0.00
95 1,4-Difluorobenze	887027	532216	1241838	887027	0.00
123 Chlorobenzene-d5	800945	480567	1121323	800945	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

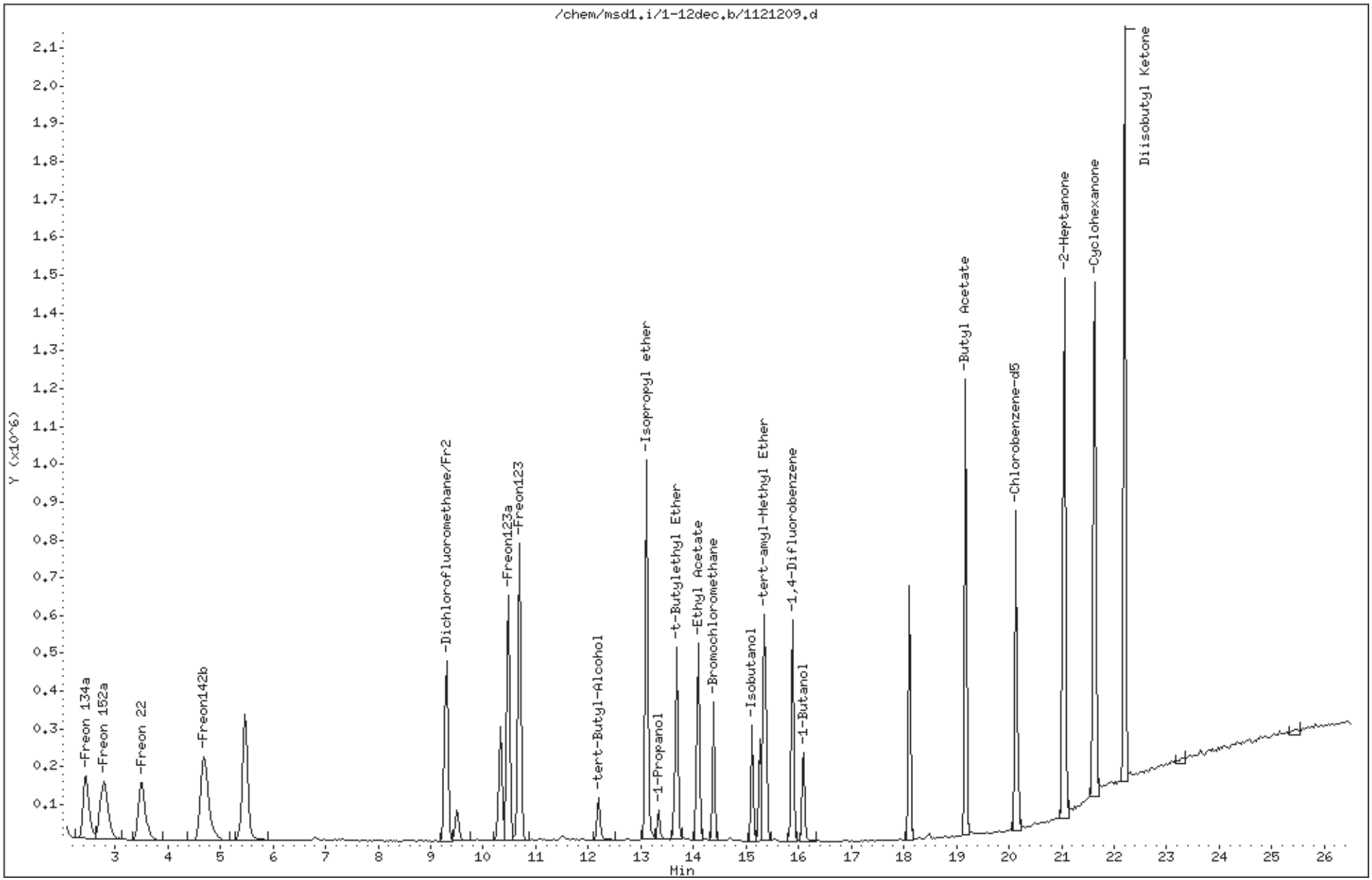
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-12dec.b/1121209.d
Date : 12-DEC-2007 15:24
Client ID: Level 5
Sample Info: 25mL #1443-390

Instrument: msd1.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112406.d
Lab Smp Id: ICAL Client Smp ID: level 5
Inj Date : 24-NOV-2007 21:20
Operator : dm Inst ID: msd1.i
Smp Info : 25ml #1576-96
Misc Info : 200ppbv-50ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:04 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 21:20 Cal File: 1112406.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	355328	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	273173			27.18- 127.18	76.88
14.389	14.389 (1.000)	49	411457			64.07- 164.07	115.80
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1527420	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	236278			0.00- 65.68	15.47
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1400994	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	728103			1.52- 101.52	51.97
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	585987	25.0000	25.300	50.00- 150.00	100.00
15.273	15.273 (1.061)	67	322150			2.06- 102.06	54.98
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	1458270	25.0000	25.846	50.00- 150.00	100.00
18.094	18.094 (1.139)	70	145786			0.00- 60.40	10.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	982334			17.93- 117.93	67.36
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	838226	25.0000	25.788	50.00- 150.00	100.00
21.633	21.633 (1.074)	95	995305			68.11- 168.11	118.74
21.633	21.633 (1.074)	176	802172			46.59- 146.59	95.70
12 Propylene					CAS #: 115-07-1		
2.610	2.638 (0.181)	41	824690	50.0000	53.691	50.00- 150.00	100.00
2.610	2.638 (0.181)	42	554512			11.62- 111.62	67.24
2.610	2.638 (0.181)	39	631438			33.11- 133.11	76.57
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.997	3.052 (0.208)	85	3696135	50.0000	52.131	50.00- 150.00	100.00
3.025	3.052 (0.210)	87	1177190			0.00- 76.90	31.85
17 Freon 114					CAS #: 76-14-2		
4.490	4.490 (0.312)	135	2693417	50.0000	53.129	50.00- 150.00	100.00
4.463	4.490 (0.310)	137	852425			0.00- 80.37	31.65
21 Chloromethane					CAS #: 74-87-3		
4.794	4.822 (0.333)	50	957357	50.0000	51.423	50.00- 150.00	100.00
4.794	4.822 (0.333)	52	311407			0.00- 82.82	32.53
23 Vinyl Chloride					CAS #: 75-01-4		
5.762	5.790 (0.400)	62	1130311	50.0000	47.415	50.00- 150.00	100.00
5.762	5.790 (0.400)	64	356766			0.00- 79.63	31.56
24 1,3-Butadiene					CAS #: 106-99-0		
6.039	6.039 (0.420)	54	829029	50.0000	53.412	50.00- 150.00	100.00
6.011	6.039 (0.418)	39	842418			63.73- 163.73	101.62
26 Bromomethane					CAS #: 74-83-9		
7.670	7.670 (0.533)	94	906845	50.0000	58.095	50.00- 150.00	100.00
7.670	7.670 (0.533)	96	865869			50.94- 150.94	95.48
28 Chloroethane					CAS #: 75-00-3		
8.223	8.251 (0.571)	64	599902	50.0000	54.641	50.00- 150.00	100.00
8.223	8.251 (0.571)	49	137409			0.00- 73.86	22.91
8.223	8.251 (0.571)	66	195898			0.00- 85.11	32.66
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.135	9.135 (0.635)	101	3641058	50.0000	54.416	50.00- 150.00	100.00
9.135	9.135 (0.635)	103	2335375			16.16- 116.16	64.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	361885	50.0000	51.631	50.00- 150.00	100.00
10.269	10.269 (0.714)	43	85469			0.00- 76.14	23.62
10.269	10.269 (0.714)	46	141298			0.00- 89.17	39.05
43 Freon 113					CAS #: 76-13-1		
10.684	10.684 (0.742)	151	1711613	50.0000	54.226	50.00- 150.00	100.00
10.684	10.684 (0.742)	153	1088405			16.39- 116.39	63.59
10.684	10.684 (0.742)	101	2069445			71.96- 171.96	120.91
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.628	10.656 (0.739)	61	1810919	50.0000	51.361	50.00- 150.00	100.00
10.656	10.656 (0.741)	96	1076496			15.71- 115.71	59.44
10.656	10.656 (0.741)	98	680196			0.00- 87.63	37.56
45 Acetone					CAS #: 67-64-1		
11.015	10.988 (0.766)	58	486574	50.0000	53.953	50.00- 150.00	100.00
11.015	10.988 (0.766)	43	1731842			314.99- 414.99	355.93
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	2169157	50.0000	62.527	50.00- 150.00	100.00
11.458	11.458 (0.796)	43	449749			0.00- 72.77	20.73
11.458	11.458 (0.796)	59	88404			0.00- 54.24	4.08
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	3065672	50.0000	51.440	50.00- 150.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	398899	50.0000	66.932	50.00- 150.00	100.00
11.568	11.568 (0.804)	41	972898			206.76- 306.76	243.90
54 Methylene Chloride					CAS #: 75-09-2		
11.873	11.873 (0.825)	49	965411	50.0000	52.168	50.00- 150.00	100.00
11.873	11.873 (0.825)	84	865924			39.97- 139.97	89.69
11.873	11.873 (0.825)	51	288620			0.00- 80.99	29.90
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	1844814	50.0000	59.068	50.00- 150.00	100.00
12.287	12.287 (0.854)	57	345841			0.00- 69.63	18.75
12.287	12.287 (0.854)	41	317632			0.00- 70.92	17.22
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.287	12.287 (0.854)	96	1165960	50.0000	51.115	50.00- 150.00	100.00
12.287	12.287 (0.854)	61	1625645			81.91- 181.91	139.43
12.315	12.287 (0.856)	98	745222			8.99- 108.99	63.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	1439058	50.0000	55.504	50.00- 150.00	100.00
12.674	12.674 (0.881)	43	824859			9.98- 109.98	57.32
12.674	12.674 (0.881)	86	302447			0.00- 70.92	21.02
67 Vinyl Acetate					CAS #: 108-05-4		
13.200	13.172 (0.917)	86	163374	50.0000	64.955	50.00- 150.00	100.00
13.172	13.172 (0.915)	43	1401569			772.82- 872.82	857.89
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.089	13.089 (0.910)	63	1921072	50.0000	59.722	50.00- 150.00	100.00
13.117	13.089 (0.912)	65	626396			0.00- 81.61	32.61
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	586955	50.0000	63.618	50.00- 150.00	100.00
14.057	14.057 (0.977)	43	2270081			364.92- 464.92	386.76
14.057	14.057 (0.977)	57	179009			0.00- 80.92	30.50
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	1526226	50.0000	57.745	50.00- 150.00	100.00
14.029	14.029 (0.975)	96	1180718			31.46- 131.46	77.36
14.029	14.029 (0.975)	98	764221			1.59- 101.59	50.07
78 Tetrahydrofuran					CAS #: 109-99-9		
14.389	14.389 (1.000)	42	1286826	50.0000	51.728	50.00- 150.00	100.00
14.389	14.389 (1.000)	71	633171			0.00- 99.21	49.20
14.389	14.389 (1.000)	72	677039			3.13- 103.13	52.61
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	2479735	50.0000	53.301	50.00- 150.00	100.00
14.499	14.499 (1.008)	85	1631689			15.80- 115.80	65.80
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	2524871	50.0000	64.084	50.00- 150.00	100.00
14.720	14.720 (1.023)	99	1617654			16.69- 116.69	64.07
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	1569574	50.0000	57.825	50.00- 150.00	100.00
14.693	14.693 (1.021)	56	1549733			50.22- 150.22	98.74
14.693	14.693 (1.021)	41	832175			6.45- 106.45	53.02
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	2564938	50.0000	59.412	50.00- 150.00	100.00
14.914	14.914 (1.036)	117	2778458			59.46- 159.46	108.32
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.246	15.246 (1.060)	57	3484265	50.0000	54.551	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.246	15.246 (1.060)	56	1099742			0.00- 81.75	31.56
15.218	15.246 (1.058)	41	907273			0.00- 77.28	26.04
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	3652802	50.0000	54.078	50.00- 150.00	100.00
15.273	15.273 (0.962)	77	871194			0.00- 74.26	23.85
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	1770858	50.0000	53.232	50.00- 150.00	100.00
15.384	15.384 (0.969)	64	577376			0.00- 83.08	32.60
94 Heptane					CAS #: 142-82-5		
15.495	15.495 (0.976)	71	1116516	50.0000	56.873	50.00- 150.00	100.00
15.495	15.495 (0.976)	43	1524241			89.22- 189.22	136.52
15.495	15.495 (0.976)	57	897908			35.31- 135.31	80.42
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	1577322	50.0000	56.108	50.00- 150.00	100.00
16.269	16.269 (1.024)	130	1596195			55.37- 155.37	101.20
16.269	16.269 (1.024)	97	1019689			14.51- 114.51	64.65
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	1180021	50.0000	57.639	50.00- 150.00	100.00
16.711	16.711 (1.052)	62	824673			21.65- 121.65	69.89
16.711	16.711 (1.052)	41	726377			15.28- 115.28	61.56
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	1117006	50.0000	60.819	50.00- 150.00	100.00
16.849	16.849 (1.061)	58	669671			9.61- 109.61	59.95
16.849	16.849 (1.061)	57	228766			0.00- 70.45	20.48
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	2749925	50.0000	59.448	50.00- 150.00	100.00
17.098	17.098 (1.077)	85	1763503			13.84- 113.84	64.13
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	2049721	50.0000	59.795	50.00- 150.00	100.00
17.762	17.762 (1.118)	77	663991			0.00- 81.92	32.39
17.762	17.762 (1.118)	39	957163			0.00- 97.44	46.70
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	1264503	50.0000	64.223	50.00- 150.00	100.00
17.928	17.928 (1.129)	43	2925503			186.92- 286.92	231.36
17.928	17.928 (1.129)	85	629288			1.40- 101.40	49.77

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	4685687	50.0000	56.247	50.00- 150.00	100.00
18.204	18.204 (1.146)	92	2762938			8.54- 108.54	58.97
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	2219348	50.0000	59.877	50.00- 150.00	100.00
18.564	18.564 (0.922)	77	704920			0.00- 83.64	31.76
18.564	18.564 (0.922)	39	932681			0.00- 91.96	42.03
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	1556510	50.0000	55.827	50.00- 150.00	100.00
18.840	18.840 (0.935)	99	974025			13.62- 113.62	62.58
18.840	18.840 (0.935)	83	1257108			28.31- 128.31	80.76
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	2325141	50.0000	57.019	50.00- 150.00	100.00
18.951	18.951 (0.941)	129	1624097			19.97- 119.97	69.85
18.951	18.951 (0.941)	131	1551471			16.62- 116.62	66.73
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	1983246	50.0000	65.965	50.00- 150.00	100.00
19.089	19.089 (0.948)	43	3309792			121.98- 221.98	166.89
19.089	19.089 (0.948)	100	524368			0.00- 76.67	26.44
121 Dibromochloromethane					CAS #: 124-48-1		
19.366	19.366 (0.962)	129	2744085	50.0000	61.961	50.00- 150.00	100.00
19.366	19.366 (0.962)	127	2105784			28.19- 128.19	76.74
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	2499222	50.0000	57.484	50.00- 150.00	100.00
19.587	19.587 (0.973)	109	2377342			44.55- 144.55	95.12
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	4004597	50.0000	56.228	50.00- 150.00	100.00
20.195	20.195 (1.003)	114	1277907			0.00- 82.03	31.91
20.195	20.195 (1.003)	77	2376510			17.30- 117.30	59.34
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	2208714	50.0000	55.559	50.00- 150.00	100.00
20.250	20.250 (1.005)	91	7112726			264.26- 364.26	322.03
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	2716897	50.0000	57.901	50.00- 150.00	100.00
20.416	20.416 (1.014)	91	5530937			160.89- 260.89	203.58
130 o-Xylene					CAS #: 95-47-6		
20.942	20.942 (1.040)	106	2558465	50.0000	56.107	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.942	20.942 (1.040)	91	5469984			160.78- 260.78	213.80
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	4349366	50.0000	62.254	50.00- 150.00	100.00
20.969	20.969 (1.041)	78	2063699			1.91- 101.91	47.45
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	2735692	50.0000	61.520	50.00- 150.00	100.00
21.273	21.273 (1.056)	171	1409307			1.25- 101.25	51.52
134 Cumene					CAS #: 98-82-8		
21.384	21.356 (1.062)	105	7561361	50.0000	56.604	50.00- 150.00	100.00
21.384	21.356 (1.062)	120	1901773			0.00- 78.08	25.15
21.356	21.356 (1.060)	51	584699			0.00- 58.74	7.73
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.799	21.799 (1.082)	83	3085156	50.0000	55.248	50.00- 150.00	100.00
21.799	21.799 (1.082)	85	1991112			17.17- 117.17	64.54
140 Propylbenzene					CAS #: 103-65-1		
21.882	21.882 (1.086)	91	8556733	50.0000	55.780	50.00- 150.00	100.00
21.882	21.882 (1.086)	120	1895298			0.00- 72.27	22.15
21.882	21.882 (1.086)	105	321927			0.00- 54.06	3.76
144 4-Ethyltoluene					CAS #: 622-96-8		
22.020	21.992 (1.093)	105	8195545	50.0000	56.990	50.00- 150.00	100.00
22.020	21.992 (1.093)	120	2433806			0.00- 79.99	29.70
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	5891512	50.0000	55.638	50.00- 150.00	100.00
22.075	22.075 (1.096)	120	2803222			0.00- 98.86	47.58
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	5069775	50.0000	54.033	50.00- 150.00	100.00
22.545	22.545 (1.119)	120	2240232			0.00- 94.57	44.19
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	3257113	50.0000	52.798	50.00- 150.00	100.00
22.960	22.960 (1.140)	148	2085409			13.76- 113.76	64.03
22.960	22.960 (1.140)	111	1206028			0.00- 87.53	37.03
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.071	23.071 (1.146)	146	3218202	50.0000	54.778	50.00- 150.00	100.00
23.071	23.071 (1.146)	148	2041150			16.24- 116.24	63.43
23.071	23.071 (1.146)	111	1136650			0.00- 86.79	35.32

RT	EXP RT	(REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene						CAS #: 100-44-7		
23.236	23.236	(1.154)	91	4033433	50.0000	54.705	50.00- 150.00	100.00
23.236	23.236	(1.154)	126	818475			0.00- 71.33	20.29
164 1,2-Dichlorobenzene						CAS #: 95-50-1		
23.541	23.541	(1.169)	146	2619764	50.0000	50.006	50.00- 150.00	100.00
23.541	23.541	(1.169)	148	1657584			13.08- 113.08	63.27
23.541	23.541	(1.169)	111	1017779			0.00- 91.16	38.85
169 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
25.393	25.393	(1.261)	180	1045145	50.0000	32.884	50.00- 150.00	100.00
25.393	25.393	(1.261)	182	1005360			45.27- 145.27	96.19
170 Hexachlorobutadiene						CAS #: 87-68-3		
25.504	25.504	(1.266)	225	968910	50.0000	38.793	50.00- 150.00	100.00
25.504	25.504	(1.266)	223	600521			11.04- 111.04	61.98
29 Isopentane						CAS #: 78-78-4		
8.416	8.416	(0.585)	43	1055262	50.0000	50.774	50.00- 150.00	100.00
8.416	8.416	(0.585)	57	821092			26.98- 126.98	77.81
22 Butane						CAS #: 106-97-8		
5.596	5.596	(0.389)	58	226826	50.0000	48.199	50.00- 150.00	100.00
5.596	5.596	(0.389)	43	1570012			636.03- 736.03	692.17
99 Methyl Cyclohexane						CAS #: 108-87-2		
16.490	16.490	(1.146)	83	1881500	50.0000	55.116	50.00- 150.00	100.00
16.490	16.490	(1.146)	98	979314			1.44- 101.44	52.05
16.490	16.490	(1.146)	55	1337175			21.09- 121.09	71.07
171 Naphthalene						CAS #: 91-20-3		
25.753	25.753	(1.279)	128	1636651	50.0000	30.247	50.00- 150.00	100.00
25.753	25.753	(1.279)	127	197052			0.00- 66.01	12.04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112406.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 200ppbv-50ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	355328	0.00
95 1,4-Difluorobenze	1527420	916452	2138388	1527420	0.00
123 Chlorobenzene-d5	1400994	840596	1961392	1400994	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-24nov.b/1112406.d

Date : 24-NOV-2007 21:20

Client ID: level 5

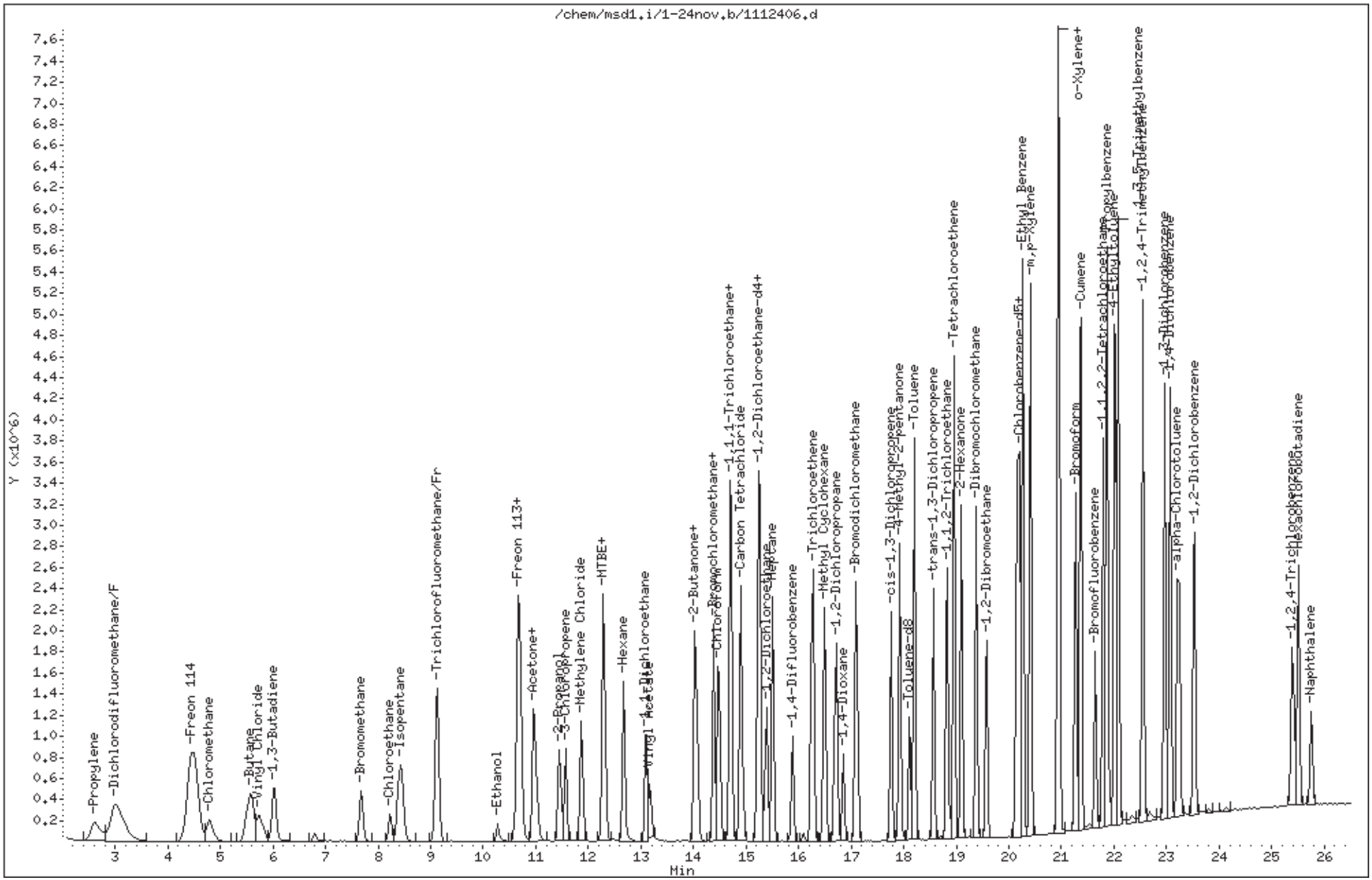
Sample Info: 25ml #1576-96

Column phase: RTx-624

Instrument: msd1.i

Operator: dm

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112407.d
Lab Smp Id: ICAL Client Smp ID: level 6
Inj Date : 24-NOV-2007 21:55
Operator : dm Inst ID: msd1.i
Smp Info : 50ml #1576-96
Misc Info : 200ppbv-100ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:06 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 21:55 Cal File: 1112407.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane					CAS #: 74-97-5		
14.388	14.389 (1.000)	130	382606	25.0000		80.00- 120.00	100.00
14.388	14.389 (1.000)	128	291549			26.88- 126.88	76.20
14.388	14.389 (1.000)	49	456933			65.80- 165.80	119.43
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.882	15.882 (1.000)	114	1613924	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	254737			0.00- 65.47	15.78
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	1512278	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	781414			1.52- 101.52	51.67
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.273	15.273 (1.061)	65	629187	25.0000	25.190	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	373178			2.06- 102.06	59.31
$ 111 Toluene-d8					CAS #: 2037-26-5		
18.093	18.094 (1.139)	98	1533871	25.0000	25.605	80.00- 120.00	100.00
18.093	18.094 (1.139)	70	161175			0.00- 60.40	10.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.093	18.094 (1.139)	100	1031493			17.93- 117.93	67.25
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	914503	25.0000	25.880	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	1058576			68.74- 168.74	115.75
21.633	21.633 (1.074)	176	875630			45.70- 145.70	95.75
12 Propylene					CAS #: 115-07-1		
2.610	2.610 (0.181)	41	1571405	100.000	96.211	80.00- 120.00	100.00
2.610	2.610 (0.181)	42	1050608			11.62- 111.62	66.86
2.610	2.610 (0.181)	39	1238708			33.11- 133.11	78.83
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
3.025	2.997 (0.210)	85	7032282	100.000	93.589	80.00- 120.00	100.00
3.052	3.025 (0.212)	87	2298453			0.00- 76.90	32.68
17 Freon 114					CAS #: 76-14-2		
4.490	4.490 (0.312)	135	5245896	100.000	96.856	80.00- 120.00	100.00
4.490	4.463 (0.312)	137	1676486			0.00- 81.65	31.96
21 Chloromethane					CAS #: 74-87-3		
4.822	4.794 (0.335)	50	1870732	100.000	94.904	80.00- 120.00	100.00
4.822	4.794 (0.335)	52	603667			0.00- 82.82	32.27
23 Vinyl Chloride					CAS #: 75-01-4		
5.762	5.762 (0.400)	62	2255825	100.000	90.066	80.00- 120.00	100.00
5.762	5.762 (0.400)	64	712732			0.00- 79.63	31.60
24 1,3-Butadiene					CAS #: 106-99-0		
6.011	6.039 (0.418)	54	1638902	100.000	98.443	80.00- 120.00	100.00
6.011	6.011 (0.418)	39	1639202			63.73- 163.73	100.02
26 Bromomethane					CAS #: 74-83-9		
7.670	7.670 (0.533)	94	1767968	100.000	104.10	80.00- 120.00	100.00
7.670	7.670 (0.533)	96	1676899			45.48- 145.48	94.85
28 Chloroethane					CAS #: 75-00-3		
8.223	8.223 (0.571)	64	1182292	100.000	100.01	80.00- 120.00	100.00
8.223	8.223 (0.571)	49	271342			0.00- 73.86	22.95
8.223	8.223 (0.571)	66	378902			0.00- 85.11	32.05
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.135	9.135 (0.635)	101	6999357	100.000	97.706	80.00- 120.00	100.00
9.135	9.135 (0.635)	103	4546871			14.14- 114.14	64.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	772416	100.000	101.75	80.00- 120.00	100.00
10.269	10.269 (0.714)	43	174488			0.00- 76.14	22.59
10.269	10.269 (0.714)	46	298835			0.00- 89.17	38.69
43 Freon 113					CAS #: 76-13-1		
10.683	10.684 (0.742)	151	3414454	100.000	100.37	80.00- 120.00	100.00
10.683	10.684 (0.742)	153	2168638			13.59- 113.59	63.51
10.683	10.684 (0.742)	101	4123852			70.91- 170.91	120.78
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.628	10.628 (0.739)	61	3474694	100.000	93.101	80.00- 120.00	100.00
10.656	10.656 (0.741)	96	2080775			9.44- 109.44	59.88
10.656	10.656 (0.741)	98	1339582			0.00- 87.56	38.55
45 Acetone					CAS #: 67-64-1		
10.988	11.015 (0.764)	58	995617	100.000	101.88	80.00- 120.00	100.00
10.988	11.015 (0.764)	43	3527794			314.99- 414.99	354.33
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	4536578	100.000	115.26	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	933378			0.00- 72.77	20.57
11.458	11.458 (0.796)	59	187833			0.00- 54.24	4.14
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	6255646	100.000	97.976	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	880519	100.000	125.53	80.00- 120.00	100.00
11.568	11.568 (0.804)	41	2128891			206.76- 306.76	241.78
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.873 (0.825)	49	1935991	100.000	97.713	80.00- 120.00	100.00
11.872	11.873 (0.825)	84	1771135			39.69- 139.69	91.48
11.872	11.873 (0.825)	51	589168			0.00- 80.99	30.43
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	3878130	100.000	111.89	80.00- 120.00	100.00
12.287	12.287 (0.854)	57	730835			0.00- 68.75	18.85
12.287	12.287 (0.854)	41	667238			0.00- 70.92	17.21
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.315	12.287 (0.856)	96	2379166	100.000	97.476	80.00- 120.00	100.00
12.287	12.287 (0.854)	61	3269341			89.43- 189.43	137.42
12.315	12.315 (0.856)	98	1502110			8.99- 108.99	63.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	2865988	100.000	102.12	80.00- 120.00	100.00
12.674	12.674 (0.881)	43	1652400			9.98- 109.98	57.66
12.674	12.674 (0.881)	86	613146			0.00- 70.92	21.39
67 Vinyl Acetate					CAS #: 108-05-4		
13.200	13.200 (0.917)	86	394901	100.000	130.83	80.00- 120.00	100.00
13.172	13.172 (0.915)	43	3235355			772.82- 872.82	819.28
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.117	13.089 (0.912)	63	3949969	100.000	110.93	80.00- 120.00	100.00
13.117	13.117 (0.912)	65	1244970			0.00- 82.61	31.52
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	1233932	100.000	118.47	80.00- 120.00	100.00
14.057	14.057 (0.977)	43	4742458			336.76- 436.76	384.34
14.057	14.057 (0.977)	57	364678			0.00- 80.92	29.55
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	3073010	100.000	106.28	80.00- 120.00	100.00
14.029	14.029 (0.975)	96	2363534			27.36- 127.36	76.91
14.029	14.029 (0.975)	98	1506277			0.07- 100.07	49.02
78 Tetrahydrofuran					CAS #: 109-99-9		
14.388	14.389 (1.000)	42	2609867	100.000	97.935	80.00- 120.00	100.00
14.388	14.389 (1.000)	71	1285557			0.00- 99.20	49.26
14.388	14.389 (1.000)	72	1387463			3.13- 103.13	53.16
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	5034885	100.000	100.42	80.00- 120.00	100.00
14.499	14.499 (1.008)	85	3250346			15.80- 115.80	64.56
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	5243745	100.000	118.03	80.00- 120.00	100.00
14.720	14.720 (1.023)	99	3371481			14.07- 114.07	64.30
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	3185759	100.000	107.07	80.00- 120.00	100.00
14.693	14.693 (1.021)	56	3128349			48.74- 148.74	98.20
14.693	14.693 (1.021)	41	1672469			3.02- 103.02	52.50
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	5139168	100.000	108.27	80.00- 120.00	100.00
14.914	14.914 (1.036)	117	5592721			58.32- 158.32	108.83
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.246	15.246 (1.060)	57	6973205	100.000	101.11	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.246	15.246 (1.060)	56	2232703			0.00- 81.75	32.02
15.246	15.218 (1.060)	41	1791056			0.00- 77.28	25.68
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	7491280	100.000	103.93	80.00- 120.00	100.00
15.273	15.273 (0.962)	77	1745477			0.00- 74.26	23.30
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	3606374	100.000	102.07	80.00- 120.00	100.00
15.384	15.384 (0.969)	64	1143059			0.00- 83.08	31.70
94 Heptane					CAS #: 142-82-5		
15.494	15.495 (0.976)	71	2262355	100.000	107.12	80.00- 120.00	100.00
15.494	15.495 (0.976)	43	3133987			89.22- 189.22	138.53
15.494	15.495 (0.976)	57	1853141			35.31- 135.31	81.91
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	3210807	100.000	106.37	80.00- 120.00	100.00
16.269	16.269 (1.024)	130	3293138			51.20- 151.20	102.56
16.269	16.269 (1.024)	97	2083406			14.65- 114.65	64.89
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	2420631	100.000	109.30	80.00- 120.00	100.00
16.711	16.711 (1.052)	62	1703471			19.89- 119.89	70.37
16.711	16.711 (1.052)	41	1445430			11.56- 111.56	59.71
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	2339661	100.000	114.67	80.00- 120.00	100.00
16.849	16.849 (1.061)	58	1395370			9.95- 109.95	59.64
16.849	16.849 (1.061)	57	475988			0.00- 70.45	20.34
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	5701783	100.000	112.90	80.00- 120.00	100.00
17.098	17.098 (1.077)	85	3674916			14.13- 114.13	64.45
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	4329955	100.000	115.05	80.00- 120.00	100.00
17.762	17.762 (1.118)	77	1364243			0.00- 82.39	31.51
17.762	17.762 (1.118)	39	1968672			0.00- 96.70	45.47
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	2671493	100.000	121.51	80.00- 120.00	100.00
17.928	17.928 (1.129)	43	6193884			186.92- 286.92	231.85
17.928	17.928 (1.129)	85	1336921			1.40- 101.40	50.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	9659954	100.000	107.64	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	5701143			8.97- 108.97	59.02
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	4705516	100.000	113.61	80.00- 120.00	100.00
18.564	18.564 (0.922)	77	1485969			0.00- 81.76	31.58
18.564	18.564 (0.922)	39	1956457			0.00- 92.03	41.58
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	3249992	100.000	106.29	80.00- 120.00	100.00
18.840	18.840 (0.935)	99	2038015			12.58- 112.58	62.71
18.840	18.840 (0.935)	83	2592748			30.76- 130.76	79.78
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	4796525	100.000	107.05	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	3314846			19.85- 119.85	69.11
18.951	18.951 (0.941)	131	3186352			16.73- 116.73	66.43
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	4314849	100.000	122.84	80.00- 120.00	100.00
19.089	19.089 (0.948)	43	7211686			116.89- 216.89	167.14
19.089	19.089 (0.948)	100	1103561			0.00- 76.67	25.58
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.366 (0.962)	129	5815269	100.000	116.60	80.00- 120.00	100.00
19.365	19.366 (0.962)	127	4490258			28.19- 128.19	77.21
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	5325599	100.000	110.50	80.00- 120.00	100.00
19.587	19.587 (0.973)	109	5033036			45.12- 145.12	94.51
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	8362438	100.000	106.90	80.00- 120.00	100.00
20.195	20.195 (1.003)	114	2693846			0.00- 81.91	32.21
20.195	20.195 (1.003)	77	4939884			9.34- 109.34	59.07
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	4571934	100.000	105.16	80.00- 120.00	100.00
20.250	20.250 (1.005)	91	15010680			264.26- 364.26	328.32
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	5810685	100.000	111.44	80.00- 120.00	100.00
20.416	20.416 (1.014)	91	11792250			160.89- 260.89	202.94
130 o-Xylene					CAS #: 95-47-6		
20.941	20.942 (1.040)	106	5386147	100.000	107.40	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.941	20.942 (1.040)	91	11670847			163.80- 263.80	216.68
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	9437962	100.000	120.11	80.00- 120.00	100.00
20.969	20.969 (1.041)	78	4438075			0.00- 97.45	47.02
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	5973188	100.000	118.64	80.00- 120.00	100.00
21.273	21.273 (1.056)	171	3059765			1.52- 101.52	51.22
134 Cumene					CAS #: 98-82-8		
21.384	21.384 (1.062)	105	16047105	100.000	109.23	80.00- 120.00	100.00
21.384	21.384 (1.062)	120	3973472			0.00- 78.08	24.76
21.356	21.356 (1.060)	51	1230097			0.00- 58.74	7.67
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.799	21.799 (1.082)	83	6787843	100.000	109.84	80.00- 120.00	100.00
21.799	21.799 (1.082)	85	4362254			14.54- 114.54	64.27
140 Propylbenzene					CAS #: 103-65-1		
21.881	21.882 (1.086)	91	18501984	100.000	109.17	80.00- 120.00	100.00
21.881	21.882 (1.086)	120	3996358			0.00- 72.27	21.60
21.881	21.882 (1.086)	105	671661			0.00- 54.06	3.63
144 4-Ethyltoluene					CAS #: 622-96-8		
22.020	22.020 (1.093)	105	17389854	100.000	109.40	80.00- 120.00	100.00
22.020	22.020 (1.093)	120	5018427			0.00- 79.70	28.86
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	12948679	100.000	110.35	80.00- 120.00	100.00
22.075	22.075 (1.096)	120	6004924			0.00- 98.86	46.37
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	11197017	100.000	108.27	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	4921733			0.00- 94.57	43.96
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	7319536	100.000	107.78	80.00- 120.00	100.00
22.960	22.960 (1.140)	148	4647821			13.76- 113.76	63.50
22.960	22.960 (1.140)	111	2739062			0.00- 87.53	37.42
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.070	23.071 (1.146)	146	7347520	100.000	112.30	80.00- 120.00	100.00
23.070	23.071 (1.146)	148	4646296			16.24- 116.24	63.24
23.070	23.071 (1.146)	111	2617009			0.00- 86.79	35.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.236	23.236 (1.154)	91	9701792	100.000	116.78	80.00- 120.00	100.00
23.236	23.236 (1.154)	126	1969934			0.00- 71.33	20.30
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.540	23.541 (1.169)	146	6155970	100.000	106.96	80.00- 120.00	100.00
23.540	23.541 (1.169)	148	3934879			13.27- 113.27	63.92
23.540	23.541 (1.169)	111	2397486			0.00- 88.85	38.95
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	4094018	100.000	114.89	80.00- 120.00	100.00
25.393	25.393 (1.261)	182	3890398			46.19- 146.19	95.03
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.504	25.504 (1.266)	225	3348721	100.000	117.12	80.00- 120.00	100.00
25.504	25.504 (1.266)	223	2099610			11.04- 111.04	62.70
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	2073997	100.000	94.404	80.00- 120.00	100.00
8.416	8.416 (0.585)	57	1620935			26.98- 126.98	78.16
22 Butane					CAS #: 106-97-8		
5.596	5.596 (0.389)	58	455702	100.000	92.253	80.00- 120.00	100.00
5.596	5.596 (0.389)	43	3134402			636.03- 736.03	687.82
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	3844964	100.000	103.65	80.00- 120.00	100.00
16.490	16.490 (1.146)	98	1990650			1.44- 101.44	51.77
16.490	16.490 (1.146)	55	2747919			21.09- 121.09	71.47
171 Naphthalene					CAS #: 91-20-3		
25.752	25.753 (1.279)	128	7396351	100.000	118.73	80.00- 120.00	100.00(A)
25.752	25.753 (1.279)	127	920263			0.00- 66.01	12.44

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112407.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 200ppbv-100ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	382606	7.68
95 1,4-Difluorobenze	1527420	916452	2138388	1613924	5.66
123 Chlorobenzene-d5	1400994	840596	1961392	1512278	7.94

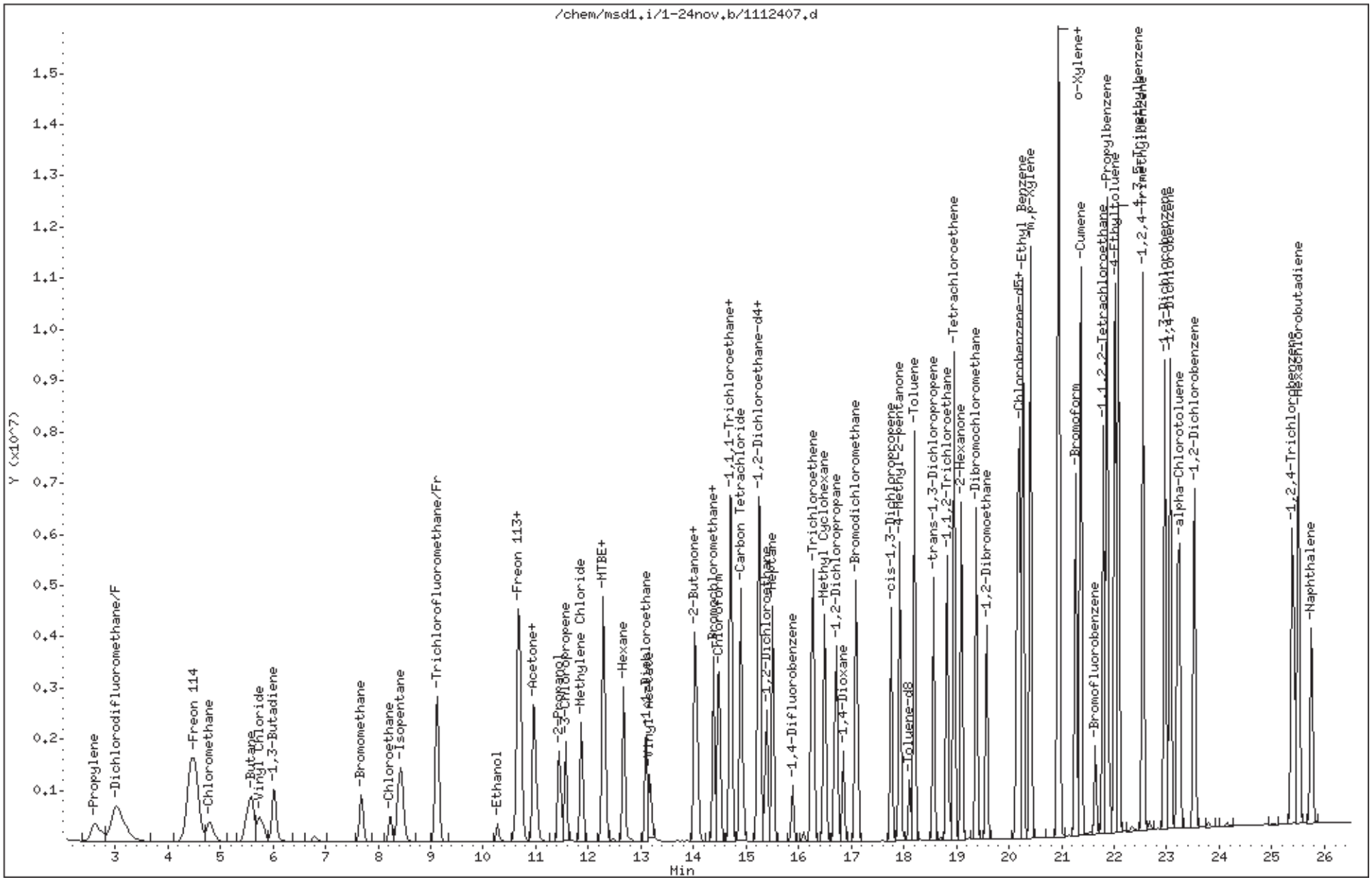
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-24nov.b/1112407.d
Date : 24-NOV-2007 21:55
Client ID: level 6
Sample Info: 50ml #1576-96

Instrument: msd1.i
Operator: dm
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-12dec.b/1121210.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 12-DEC-2007 16:13
Operator : sjr Inst ID: msd1.i
Smp Info : 100mL #1443-390
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msd1.i/1-12dec.b/t14q1124b.m
Meth Date : 13-Dec-2007 08:12 sruth Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 79 Bromochloromethane					CAS #: 74-97-5		
14.389	14.389 (1.000)	130	201956	25.0000		50.00- 150.00	100.00
14.389	14.389 (1.000)	128	161166			26.97- 126.97	79.80
14.389	14.389 (1.000)	49	229783			63.08- 163.08	113.78
* 95 1,4-Difluorobenzene					CAS #: 540-36-3		
15.882	15.882 (1.000)	114	894413	25.0000		50.00- 150.00	100.00
15.882	15.882 (1.000)	88	146396			0.00- 66.00	16.37
* 123 Chlorobenzene-d5					CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	815854	25.0000		50.00- 150.00	100.00
20.140	20.140 (1.000)	82	431633			2.07- 102.07	52.91
19 Freon142b					CAS #: 75-68-3		
4.711	4.711 (0.327)	65	5799032	200.000	212.84	50.00- 150.00	100.00(A)
4.711	4.711 (0.327)	45	1209607			0.00- 65.77	20.86
9 Freon 134a					CAS #: 811-97-2		
2.444	2.444 (0.170)	83	2107775	200.000	206.74	50.00- 150.00	100.00(A)
2.444	2.444 (0.170)	69	2052381			46.79- 146.79	97.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 134a (continued)							
2.444	2.444 (0.170)	63	212097			0.00- 59.25	10.06
13 Freon 152a					CAS #: 75-37-6		
2.803	2.803 (0.195)	65	1580947	200.000	203.75	50.00- 150.00	100.00
2.803	2.803 (0.195)	51	2704359			118.88- 218.88	171.06
2.803	2.803 (0.195)	47	661166			0.00- 79.98	41.82
15 Freon 22					CAS #: 75-45-6		
3.522	3.522 (0.245)	51	3803426	200.000	207.35	50.00- 150.00	100.00(A)
3.522	3.522 (0.245)	67	736509			0.00- 69.80	19.36
3.550	3.550 (0.247)	85	71217			0.00- 51.97	1.87
32 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
9.301	9.301 (0.646)	67	3874917	200.000	212.71	50.00- 150.00	100.00(A)
9.301	9.301 (0.646)	69	1235011			0.00- 82.01	31.87
9.301	9.301 (0.646)	35	190876			0.00- 55.43	4.93
40 Freon123a					CAS #: 354-23-4		
10.490	10.490 (0.729)	117	2357971	200.000	214.07	50.00- 150.00	100.00(A)
10.490	10.490 (0.729)	67	2821182			68.68- 168.68	119.64
41 Freon123					CAS #: 306-83-2		
10.684	10.684 (0.742)	83	3667101	200.000	215.42	50.00- 150.00	100.00(A)
10.684	10.684 (0.742)	133	952494			0.00- 75.91	25.97
10.684	10.684 (0.742)	85	2432089			15.25- 115.25	66.32
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
12.204	12.204 (0.848)	59	1249377	200.000	224.48	50.00- 150.00	100.00(A)
12.177	12.177 (0.846)	41	223712			0.00- 81.42	17.91
12.204	12.204 (0.848)	57	132421			0.00- 50.00	10.60
66 Isopropyl ether					CAS #: 108-20-3		
13.117	13.117 (0.912)	45	6377010	200.000	235.38	50.00- 150.00	100.00(A)
13.117	13.117 (0.912)	87	2019580			0.00- 83.90	31.67
13.117	13.117 (0.912)	59	764425			0.00- 62.43	11.99
72 t-Butylethyl Ether					CAS #: 637-92-3		
13.670	13.670 (0.950)	59	3406809	200.000	246.03	50.00- 150.00	100.00(A)
13.670	13.670 (0.950)	87	1493202			0.00- 93.51	43.83
13.670	13.670 (0.950)	41	504520			0.00- 70.98	14.81
73 Ethyl Acetate					CAS #: 141-78-6		
14.084	14.084 (0.979)	45	550977	200.000	235.13	50.00- 150.00	100.00(A)
14.084	14.084 (0.979)	61	567429			34.05- 134.05	102.99
14.084	14.084 (0.979)	43	4140216			653.17- 753.17	751.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.356	15.356 (1.067)	73	3738984	200.000	232.57	50.00- 150.00	100.00(A)
15.356	15.356 (1.067)	87	968107			0.00- 75.67	25.89
15.356	15.356 (1.067)	55	776516			0.00- 72.34	20.77
132 2-Heptanone					CAS #: 110-43-0		
21.052	21.052 (1.463)	58	4584274	200.000	241.99	50.00- 150.00	100.00(A)
21.052	21.052 (1.463)	43	6585811			101.54- 201.54	143.66
96 1-Butanol					CAS #: 71-36-3		
16.075	16.075 (1.012)	56	1457210	200.000	283.03	50.00- 150.00	100.00(A)
16.075	16.075 (1.012)	41	968107			29.68- 129.68	66.44
16.075	16.075 (1.012)	43	726137			0.99- 100.99	49.83
120 Butyl Acetate					CAS #: 123-86-4		
19.172	19.172 (1.207)	56	2802946	200.000	237.47	50.00- 150.00	100.00(A)
19.172	19.172 (1.207)	73	1311442			0.00- 99.04	46.79
19.172	19.172 (1.207)	43	6337131			175.11- 275.11	226.09
135 Cyclohexanone					CAS #: 108-94-1		
21.605	21.605 (1.073)	55	2896761	200.000	221.11	50.00- 150.00	100.00(A)
21.605	21.605 (1.073)	98	1517528			1.56- 101.56	52.39
21.605	21.605 (1.073)	42	1913984			14.07- 114.07	66.07
148 Diisobutyl Ketone					CAS #: 108-83-8		
22.213	22.213 (1.103)	57	7620531	200.000	208.52	50.00- 150.00	100.00(A)
22.213	22.213 (1.103)	85	7517670			48.67- 148.67	98.65
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1121210.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msd1.i/1-12dec.b/t14q1124b.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 12-DEC-2007
Calibration Time: 15:24
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	201823	121094	282552	201956	0.07
95 1,4-Difluorobenze	887027	532216	1241838	894413	0.83
123 Chlorobenzene-d5	800945	480567	1121323	815854	1.86

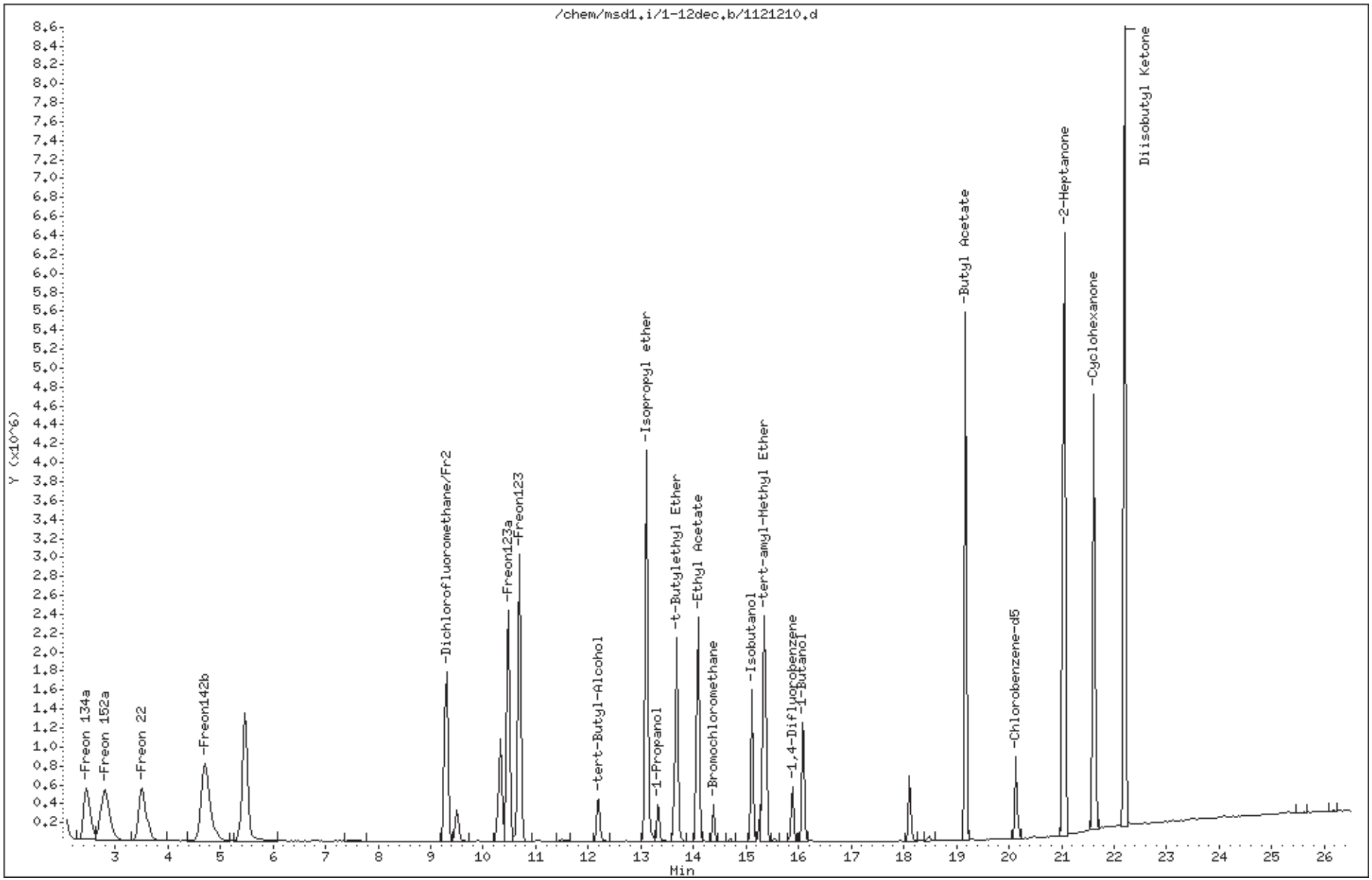
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-12dec.b/1121210.d
Date : 12-DEC-2007 16:13
Client ID: Level 7
Sample Info: 100mL #1443-390

Instrument: msd1.i
Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-24nov.b/1112408.d
Lab Smp Id: ICAL Client Smp ID: level 7
Inj Date : 24-NOV-2007 22:35
Operator : dm Inst ID: msd1.i
Smp Info : 100ml #1576-96
Misc Info : 200ppbv-200ppbv
Comment :
Method : /chem/msd1.i/1-24nov.b/t14q1124a.m
Meth Date : 26-Nov-2007 09:06 lover Quant Type: ISTD
Cal Date : 24-NOV-2007 22:35 Cal File: 1112408.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	407231	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	311689			26.88- 126.88	76.54
14.389	14.389 (1.000)	49	519255			65.80- 165.80	127.51
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1733951	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	267325			0.00- 65.47	15.42
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1624580	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	846479			1.52- 101.52	52.10
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	689355	25.0000	25.793	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	467516			2.06- 102.06	67.82
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	1667648	25.0000	25.777	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	171907			0.00- 60.40	10.31

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)								
18.094	18.094	(1.139)	100	1156049			17.93- 117.93	69.32
$ 136 Bromofluorobenzene						CAS #: 460-00-4		
21.633	21.633	(1.074)	174	978788	25.0000	25.670	80.00- 120.00	100.00
21.633	21.633	(1.074)	95	1155739			68.74- 168.74	118.08
21.633	21.633	(1.074)	176	951021			45.70- 145.70	97.16
12 Propylene						CAS #: 115-07-1		
2.638	2.610	(0.183)	41	3271888	200.000	190.46	80.00- 120.00	100.00
2.610	2.610	(0.181)	42	2185539			11.62- 111.62	66.80
2.638	2.610	(0.183)	39	2540186			33.11- 133.11	77.64
14 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8		
3.052	2.997	(0.212)	85	14440566	200.000	183.53	80.00- 120.00	100.00
3.052	3.025	(0.212)	87	4653319			0.00- 76.90	32.22
17 Freon 114						CAS #: 76-14-2		
4.490	4.490	(0.312)	135	10735365	200.000	188.39	80.00- 120.00	100.00
4.490	4.463	(0.312)	137	3404923			0.00- 81.65	31.72
21 Chloromethane						CAS #: 74-87-3		
4.822	4.794	(0.335)	50	3890708	200.000	188.18	80.00- 120.00	100.00
4.822	4.794	(0.335)	52	1232118			0.00- 82.82	31.67
23 Vinyl Chloride						CAS #: 75-01-4		
5.790	5.762	(0.402)	62	4676887	200.000	179.10	80.00- 120.00	100.00
5.790	5.762	(0.402)	64	1504442			0.00- 79.63	32.17
24 1,3-Butadiene						CAS #: 106-99-0		
6.039	6.039	(0.420)	54	3645903	200.000	204.77	80.00- 120.00	100.00(A)
6.039	6.011	(0.420)	39	3578182			63.73- 163.73	98.14
26 Bromomethane						CAS #: 74-83-9		
7.670	7.670	(0.533)	94	3747387	200.000	206.06	80.00- 120.00	100.00(A)
7.670	7.670	(0.533)	96	3512101			45.48- 145.48	93.72
28 Chloroethane						CAS #: 75-00-3		
8.251	8.223	(0.573)	64	2436131	200.000	194.64	80.00- 120.00	100.00
8.251	8.223	(0.573)	49	546171			0.00- 73.86	22.42
8.251	8.223	(0.573)	66	780292			0.00- 85.11	32.03
34 Trichlorofluoromethane/Fr11						CAS #: 75-69-4		
9.135	9.135	(0.635)	101	14568483	200.000	192.50	80.00- 120.00	100.00
9.135	9.135	(0.635)	103	9371979			14.14- 114.14	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	1679160	200.000	206.20	80.00- 120.00	100.00(A)
10.269	10.269 (0.714)	43	403151			0.00- 76.14	24.01
10.269	10.269 (0.714)	46	670146			0.00- 89.17	39.91
43 Freon 113					CAS #: 76-13-1		
10.684	10.684 (0.742)	151	7248932	200.000	200.16	80.00- 120.00	100.00(A)
10.684	10.684 (0.742)	153	4631322			13.59- 113.59	63.89
10.684	10.684 (0.742)	101	8749514			70.91- 170.91	120.70
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.656	10.628 (0.741)	61	7173968	200.000	183.56	80.00- 120.00	100.00
10.656	10.656 (0.741)	96	4336571			9.44- 109.44	60.45
10.656	10.656 (0.741)	98	2780196			0.00- 87.56	38.75
45 Acetone					CAS #: 67-64-1		
10.988	11.015 (0.764)	58	2161142	200.000	206.18	80.00- 120.00	100.00(A)
10.988	11.015 (0.764)	43	7506472			314.99- 414.99	347.34
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	10101810	200.000	231.62	80.00- 120.00	100.00(A)
11.458	11.458 (0.796)	43	2011447			0.00- 72.77	19.91
11.458	11.458 (0.796)	59	413845			0.00- 54.24	4.10
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	13641809	200.000	200.62	80.00- 120.00	100.00(A)
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	2023044	200.000	253.02	80.00- 120.00	100.00(A)
11.568	11.568 (0.804)	41	4863857			206.76- 306.76	240.42
54 Methylene Chloride					CAS #: 75-09-2		
11.873	11.873 (0.825)	49	4089939	200.000	194.93	80.00- 120.00	100.00
11.873	11.873 (0.825)	84	3764947			39.69- 139.69	92.05
11.873	11.873 (0.825)	51	1255488			0.00- 80.99	30.70
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	8149335	200.000	217.12	80.00- 120.00	100.00(A)
12.287	12.287 (0.854)	57	1575724			0.00- 68.75	19.34
12.287	12.287 (0.854)	41	1398474			0.00- 70.92	17.16
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.287	12.287 (0.854)	96	5052001	200.000	195.37	80.00- 120.00	100.00
12.287	12.287 (0.854)	61	6991915			89.43- 189.43	138.40
12.315	12.315 (0.856)	98	3235458			8.99- 108.99	64.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	6171629	200.000	205.47	80.00- 120.00	100.00(A)
12.674	12.674 (0.881)	43	3526841			9.98- 109.98	57.15
12.674	12.674 (0.881)	86	1314332			0.00- 70.92	21.30
67 Vinyl Acetate					CAS #: 108-05-4		
13.172	13.200 (0.915)	86	981948	200.000	276.44	80.00- 120.00	100.00(A)
13.172	13.172 (0.915)	43	8105801			772.82- 872.82	825.48
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.089	13.089 (0.910)	63	8583506	200.000	221.58	80.00- 120.00	100.00(A)
13.089	13.117 (0.910)	65	2706051			0.00- 82.61	31.53
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	2663565	200.000	232.47	80.00- 120.00	100.00(A)
14.057	14.057 (0.977)	43	10375055			336.76- 436.76	389.52
14.057	14.057 (0.977)	57	805622			0.00- 80.92	30.25
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	6561316	200.000	210.88	80.00- 120.00	100.00(A)
14.029	14.029 (0.975)	96	5065219			27.36- 127.36	77.20
14.029	14.029 (0.975)	98	3245503			0.07- 100.07	49.46
78 Tetrahydrofuran					CAS #: 109-99-9		
14.389	14.389 (1.000)	42	5685930	200.000	200.38	80.00- 120.00	100.00(A)
14.389	14.389 (1.000)	71	2767922			0.00- 99.20	48.68
14.389	14.389 (1.000)	72	2997756			3.13- 103.13	52.72
81 Chloroform					CAS #: 67-66-3		
14.499	14.499 (1.008)	83	10741827	200.000	201.11	80.00- 120.00	100.00(A)
14.499	14.499 (1.008)	85	6942112			15.80- 115.80	64.63
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	11448337	200.000	233.90	80.00- 120.00	100.00(A)
14.720	14.720 (1.023)	99	7330754			14.07- 114.07	64.03
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	6827425	200.000	212.82	80.00- 120.00	100.00(A)
14.693	14.693 (1.021)	56	6759784			48.74- 148.74	99.01
14.693	14.693 (1.021)	41	3596069			3.02- 103.02	52.67
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	11047992	200.000	215.32	80.00- 120.00	100.00(A)
14.914	14.914 (1.036)	117	12004930			58.32- 158.32	108.66
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.246	15.246 (1.060)	57	14788560	200.000	201.22	80.00- 120.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.246	15.246 (1.060)	56	4645923			0.00- 81.75	31.42
15.246	15.218 (1.060)	41	3757829			0.00- 77.28	25.41
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	16277469	200.000	208.42	80.00- 120.00	100.00(A)
15.273	15.273 (0.962)	77	3771978			0.00- 74.26	23.17
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	7652245	200.000	201.32	80.00- 120.00	100.00(A)
15.384	15.384 (0.969)	64	2441475			0.00- 83.08	31.91
94 Heptane					CAS #: 142-82-5		
15.495	15.495 (0.976)	71	4837702	200.000	210.88	80.00- 120.00	100.00(A)
15.495	15.495 (0.976)	43	6737836			89.22- 189.22	139.28
15.495	15.495 (0.976)	57	3962171			35.31- 135.31	81.90
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	6899547	200.000	210.52	80.00- 120.00	100.00(A)
16.269	16.269 (1.024)	130	7071324			51.20- 151.20	102.49
16.269	16.269 (1.024)	97	4462495			14.65- 114.65	64.68
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	5261495	200.000	217.30	80.00- 120.00	100.00(A)
16.711	16.711 (1.052)	62	3682830			19.89- 119.89	70.00
16.711	16.711 (1.052)	41	3097066			11.56- 111.56	58.86
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	5098797	200.000	225.25	80.00- 120.00	100.00(A)
16.849	16.849 (1.061)	58	3047811			9.95- 109.95	59.78
16.849	16.849 (1.061)	57	1020281			0.00- 70.45	20.01
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	12436471	200.000	223.75	80.00- 120.00	100.00(A)
17.098	17.098 (1.077)	85	7946473			14.13- 114.13	63.90
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	9409725	200.000	226.54	80.00- 120.00	100.00(A)
17.762	17.762 (1.118)	77	2952285			0.00- 82.39	31.37
17.762	17.762 (1.118)	39	4302651			0.00- 96.70	45.73
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	5857159	200.000	238.43	80.00- 120.00	100.00(A)
17.928	17.928 (1.129)	43	13703192			186.92- 286.92	233.96
17.928	17.928 (1.129)	85	2918351			1.40- 101.40	49.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	21340813	200.000	217.48	80.00- 120.00	100.00(A)
18.204	18.204 (1.146)	92	12453770			8.97- 108.97	58.36
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	10373400	200.000	226.88	80.00- 120.00	100.00(A)
18.564	18.564 (0.922)	77	3220186			0.00- 81.76	31.04
18.564	18.564 (0.922)	39	4280952			0.00- 92.03	41.27
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.840	18.840 (0.935)	97	6992509	200.000	210.62	80.00- 120.00	100.00(A)
18.840	18.840 (0.935)	99	4360501			12.58- 112.58	62.36
18.840	18.840 (0.935)	83	5627760			30.76- 130.76	80.48
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	10453833	200.000	214.11	80.00- 120.00	100.00(A)
18.951	18.951 (0.941)	129	7226536			19.85- 119.85	69.13
18.951	18.951 (0.941)	131	6932962			16.73- 116.73	66.32
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	9660985	200.000	242.44	80.00- 120.00	100.00(A)
19.089	19.089 (0.948)	43	16333397			116.89- 216.89	169.07
19.089	19.089 (0.948)	100	2442231			0.00- 76.67	25.28
121 Dibromochloromethane					CAS #: 124-48-1		
19.366	19.366 (0.962)	129	12748454	200.000	230.65	80.00- 120.00	100.00(A)
19.366	19.366 (0.962)	127	9754587			28.19- 128.19	76.52
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.587	19.587 (0.973)	107	11621971	200.000	219.99	80.00- 120.00	100.00(A)
19.587	19.587 (0.973)	109	11015920			45.12- 145.12	94.79
124 Chlorobenzene					CAS #: 108-90-7		
20.195	20.195 (1.003)	112	18412860	200.000	215.67	80.00- 120.00	100.00(A)
20.195	20.195 (1.003)	114	5760190			0.00- 81.91	31.28
20.195	20.195 (1.003)	77	10894745			9.34- 109.34	59.17
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	9984875	200.000	211.37	80.00- 120.00	100.00(A)
20.250	20.250 (1.005)	91	28145452			264.26- 364.26	281.88
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	12798542	200.000	223.19	80.00- 120.00	100.00(A)
20.416	20.416 (1.014)	91	24509233			160.89- 260.89	191.50
130 o-Xylene					CAS #: 95-47-6		
20.942	20.942 (1.040)	106	11796608	200.000	215.56	80.00- 120.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.942	20.942 (1.040)	91	23165911			163.80- 263.80	196.38
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	21207948	200.000	242.38	80.00- 120.00	100.00(A)
20.969	20.969 (1.041)	78	10044375			0.00- 97.45	47.36
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	13257698	200.000	236.24	80.00- 120.00	100.00(A)
21.273	21.273 (1.056)	171	6781474			1.52- 101.52	51.15
134 Cumene					CAS #: 98-82-8		
21.356	21.384 (1.060)	105	30472302	200.000	194.04	80.00- 120.00	100.00
21.384	21.384 (1.062)	120	8615608			0.00- 78.08	28.27
21.356	21.356 (1.060)	51	2699674			0.00- 58.74	8.86
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.799	21.799 (1.082)	83	14682583	200.000	217.33	80.00- 120.00	100.00(A)
21.799	21.799 (1.082)	85	9380988			14.54- 114.54	63.89
140 Propylbenzene					CAS #: 103-65-1		
21.882	21.882 (1.086)	91	30939318	200.000	174.31	80.00- 120.00	100.00
21.882	21.882 (1.086)	120	8684738			0.00- 72.27	28.07
21.882	21.882 (1.086)	105	1483786			0.00- 54.06	4.80
144 4-Ethyltoluene					CAS #: 622-96-8		
21.992	22.020 (1.092)	105	34050745	200.000	199.50	80.00- 120.00	100.00
22.020	22.020 (1.093)	120	11039039			0.00- 79.70	32.42
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	25280590	200.000	200.46	80.00- 120.00	100.00(A)
22.075	22.075 (1.096)	120	13084941			0.00- 98.86	51.76
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	23193015	200.000	207.25	80.00- 120.00	100.00(A)
22.545	22.545 (1.119)	120	10561121			0.00- 94.57	45.54
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	15942940	200.000	215.21	80.00- 120.00	100.00(A)
22.960	22.960 (1.140)	148	10051862			13.76- 113.76	63.05
22.960	22.960 (1.140)	111	5886365			0.00- 87.53	36.92
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.071	23.071 (1.146)	146	16022751	200.000	222.77	80.00- 120.00	100.00(A)
23.071	23.071 (1.146)	148	10156570			16.24- 116.24	63.39
23.071	23.071 (1.146)	111	5674455			0.00- 86.79	35.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.236	23.236 (1.154)	91	21869330	200.000	236.19	80.00- 120.00	100.00(A)
23.236	23.236 (1.154)	126	4352229			0.00- 71.33	19.90
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.541	23.541 (1.169)	146	13566704	200.000	215.94	80.00- 120.00	100.00(A)
23.541	23.541 (1.169)	148	8560221			13.27- 113.27	63.10
23.541	23.541 (1.169)	111	5207067			0.00- 88.85	38.38
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	11568656	200.000	278.49	80.00- 120.00	100.00(A)
25.393	25.393 (1.261)	182	10926791			46.19- 146.19	94.45
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.504	25.504 (1.266)	225	8818014	200.000	264.09	80.00- 120.00	100.00(A)
25.504	25.504 (1.266)	223	5491869			11.04- 111.04	62.28
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	4388770	200.000	190.03	80.00- 120.00	100.00
8.416	8.416 (0.585)	57	3406137			26.98- 126.98	77.61
22 Butane					CAS #: 106-97-8		
5.596	5.596 (0.389)	58	989771	200.000	190.49	80.00- 120.00	100.00
5.596	5.596 (0.389)	43	6577622			636.03- 736.03	664.56
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	8302133	200.000	208.48	80.00- 120.00	100.00(A)
16.490	16.490 (1.146)	98	4257841			1.44- 101.44	51.29
16.490	16.490 (1.146)	55	5896016			21.09- 121.09	71.02
171 Naphthalene					CAS #: 91-20-3		
25.753	25.753 (1.279)	128	23212411	200.000	302.44	80.00- 120.00	100.00(A)
25.753	25.753 (1.279)	127	2824247			0.00- 66.01	12.17

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1112408.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: dm
Method File: /chem/msd1.i/1-24nov.b/t14q1124a.m
Misc Info: 200ppbv-200ppbv

Calibration Date: 24-NOV-2007
Calibration Time: 21:20
Client Smp ID: level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	355328	213197	497459	407231	14.61
95 1,4-Difluorobenze	1527420	916452	2138388	1733951	13.52
123 Chlorobenzene-d5	1400994	840596	1961392	1624580	15.96

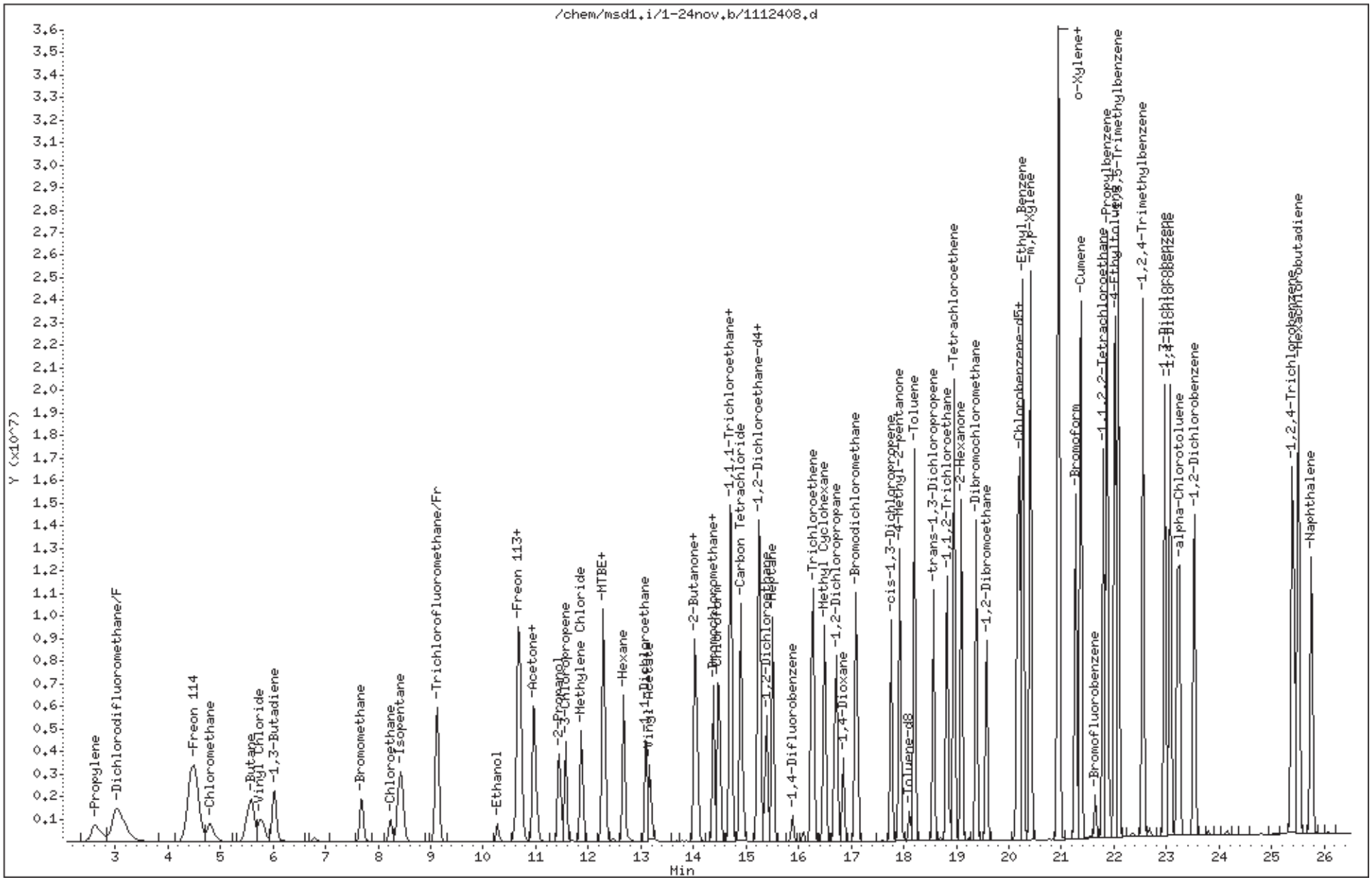
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-24nov.b/1112408.d
Date : 24-NOV-2007 22:35
Client ID: level 7
Sample Info: 100ml #1576-96

Instrument: msd1.i
Operator: dm
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0712517-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 08:17 AM**	

Compound	%Recovery
Freon 12	113
Freon 114	102
Chloromethane	103
Vinyl Chloride	101
1,3-Butadiene	101
Bromomethane	117
Chloroethane	98
Freon 11	104
Ethanol	93
Freon 113	110
1,1-Dichloroethene	103
Acetone	99
2-Propanol	107
Carbon Disulfide	93
3-Chloropropene	100
Methylene Chloride	92
Methyl tert-butyl ether	75
trans-1,2-Dichloroethene	95
Hexane	116
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	105
Tetrahydrofuran	97
Chloroform	104
1,1,1-Trichloroethane	120
Cyclohexane	114
Carbon Tetrachloride	119
2,2,4-Trimethylpentane	114
Benzene	102
1,2-Dichloroethane	103
Heptane	112
Trichloroethene	104
1,2-Dichloropropane	102
1,4-Dioxane	100
Bromodichloromethane	108
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	107
Toluene	100
trans-1,3-Dichloropropene	107

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0712517-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 08:17 AM**	

Compound	%Recovery
1,1,2-Trichloroethane	102
Tetrachloroethene	112
2-Hexanone	104
Dibromochloromethane	116
1,2-Dibromoethane (EDB)	104
Chlorobenzene	102
Ethyl Benzene	103
m,p-Xylene	107
o-Xylene	106
Styrene	107
Bromoform	116
Cumene	111
1,1,2,2-Tetrachloroethane	103
Propylbenzene	111
4-Ethyltoluene	125
1,3,5-Trimethylbenzene	114
1,2,4-Trimethylbenzene	118
1,3-Dichlorobenzene	124
1,4-Dichlorobenzene	126
alpha-Chlorotoluene	116
1,2-Dichlorobenzene	126
1,2,4-Trichlorobenzene	115
Hexachlorobutadiene	130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	112	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 31-DEC-2007 08:17
Lab File ID: 1123103.d Init. Cal. Date(s): 24-NOV-2007 12-DEC-2007
Analysis Type: AIR Init. Cal. Times: 17:43 16:13
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd1.i/1-31dec.b/t14q1124b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.64076	1.68621	0.010	-2.77016	30.00000	Averaged
$ 111 Toluene-d8	0.93279	0.90827	0.010	2.62841	30.00000	Averaged
$ 136 Bromofluorobenzene	0.58677	0.65589	0.010	-11.78047	30.00000	Averaged
12 Propylene	1.05463	1.28347	0.010	-21.69885	30.00000	Averaged
14 Dichlorodifluoromethane/Fr1	4.83021	5.47849	0.010	-13.42143	30.00000	Averaged
17 Freon 114	3.49838	3.56801	0.010	-1.99023	30.00000	Averaged
21 Chloromethane	1.26924	1.30733	0.010	-3.00078	30.00000	Averaged
23 Vinyl Chloride	1.60307	1.62565	0.010	-1.40848	30.00000	Averaged
24 1,3-Butadiene	1.09303	1.10692	0.010	-1.27074	30.00000	Averaged
26 Bromomethane	1.11642	1.30187	0.010	-16.61099	30.00000	Averaged
28 Chloroethane	0.76835	0.75089	0.010	2.27284	30.00000	Averaged
34 Trichlorofluoromethane/Fr11	4.64602	4.83675	0.010	-4.10541	30.00000	Averaged
38 Ethanol	0.49991	0.46391	0.010	7.20133	30.00000	Averaged
43 Freon 113	2.22323	2.45714	0.010	-10.52117	30.00000	Averaged
44 1,1-Dichloroethene	2.39923	2.46983	0.010	-2.94287	30.00000	Averaged
45 Acetone	0.64349	0.63459	0.010	1.38305	30.00000	Averaged
46 2-Propanol	2.67750	2.87433	0.010	-7.35152	30.00000	Averaged
48 Carbon Disulfide	4.17452	3.89393	0.010	6.72147	30.00000	Averaged
50 3-Chloropropene	0.49085	0.49235	0.010	-0.30434	30.00000	Averaged
54 Methylene Chloride	1.28808	1.17880	0.010	8.48338	30.00000	Averaged
58 MTBE	2.30418	1.71975	0.010	25.36366	30.00000	Averaged
59 trans-1,2-Dichloroethene	1.58748	1.51093	0.010	4.82241	30.00000	Averaged
64 Hexane	1.84396	2.13374	0.010	-15.71495	30.00000	Averaged
67 Vinyl Acetate	0.21807	0.19801	0.010	9.19786	30.00000	Averaged
68 1,1-Dichloroethane	2.37807	2.54118	0.010	-6.85878	30.00000	Averaged
75 2-Butanone	0.70340	0.76683	0.010	-9.01873	30.00000	Averaged
76 cis-1,2-Dichloroethene	1.91005	2.01465	0.010	-5.47618	30.00000	Averaged
78 Tetrahydrofuran	1.74195	1.69437	0.010	2.73158	30.00000	Averaged
81 Chloroform	3.27904	3.41171	0.010	-4.04606	30.00000	Averaged
83 1,1,1-Trichloroethane	3.00476	3.60053	0.010	-19.82776	30.00000	Averaged
84 Cyclohexane	1.96939	2.25167	0.010	-14.33345	30.00000	Averaged
85 Carbon Tetrachloride	3.14983	3.74131	0.010	-18.77813	30.00000	Averaged
88 2,2,4-Trimethylpentane	4.51188	5.14976	0.010	-14.13788	30.00000	Averaged
91 Benzene	1.12602	1.14938	0.010	-2.07496	30.00000	Averaged
93 1,2-Dichloroethane	0.54804	0.56309	0.010	-2.74561	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd1.i Injection Date: 31-DEC-2007 08:17
Lab File ID: 1123103.d Init. Cal. Date(s): 24-NOV-2007 12-DEC-2007
Analysis Type: AIR Init. Cal. Times: 17:43 16:13
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd1.i/1-31dec.b/t14q1124b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.33075	0.36924	0.010	-11.63701	30.00000	Averaged
97 Trichloroethene	0.47254	0.49277	0.010	-4.28214	30.00000	Averaged
102 1,2-Dichloropropane	0.34910	0.35684	0.010	-2.21671	30.00000	Averaged
103 1,4-Dioxane	0.32636	0.32605	0.010	0.09395	30.00000	Averaged
106 Bromodichloromethane	0.80137	0.86825	0.010	-8.34591	30.00000	Averaged
109 cis-1,3-Dichloropropene	0.59889	0.61300	0.010	-2.35614	30.00000	Averaged
110 4-Methyl-2-pentanone	0.35419	0.37878	0.010	-6.94403	30.00000	Averaged
114 Toluene	1.41480	1.41253	0.010	0.16055	30.00000	Averaged
115 trans-1,3-Dichloropropene	0.70361	0.75437	0.010	-7.21397	30.00000	Averaged
116 1,1,2-Trichloroethane	0.51090	0.52100	0.010	-1.97803	30.00000	Averaged
117 Tetrachloroethene	0.75133	0.83960	0.010	-11.74973	30.00000	Averaged
118 2-Hexanone	0.61323	0.63639	0.010	-3.77768	30.00000	Averaged
121 Dibromochloromethane	0.85056	0.98722	0.010	-16.06758	30.00000	Averaged
122 1,2-Dibromoethane	0.81298	0.84495	0.010	-3.93186	30.00000	Averaged
124 Chlorobenzene	1.31380	1.33458	0.010	-1.58171	30.00000	Averaged
125 Ethyl Benzene	0.72694	0.75144	0.010	-3.36969	30.00000	Averaged
128 m,p-Xylene	0.88244	0.94769	0.010	-7.39523	30.00000	Averaged
130 o-Xylene	0.84215	0.89171	0.010	-5.88500	30.00000	Averaged
131 Styrene	1.34650	1.43617	0.010	-6.65926	30.00000	Averaged
133 Bromoform	0.86360	1.00064	0.010	-15.86868	30.00000	Averaged
134 Cumene	2.41658	2.68159	0.010	-10.96628	30.00000	Averaged
138 1,1,2,2-Tetrachloroethane	1.03962	1.06929	0.010	-2.85417	30.00000	Averaged
140 Propylbenzene	2.73143	3.03382	0.010	-11.07049	30.00000	Averaged
144 4-Ethyltoluene	2.62656	3.28078	0.010	-24.90788	30.00000	Averaged
146 1,3,5-Trimethylbenzene	1.94067	2.22280	0.010	-14.53787	30.00000	Averaged
152 1,2,4-Trimethylbenzene	1.72213	2.03845	0.010	-18.36808	30.00000	Averaged
158 1,3-Dichlorobenzene	1.14000	1.41662	0.010	-24.26493	30.00000	Averaged
159 1,4-Dichlorobenzene	1.10682	1.39295	0.010	-25.85155	30.00000	Averaged
162 alpha-Chlorotoluene	1.42488	1.65633	0.010	-16.24340	30.00000	Averaged
164 1,2-Dichlorobenzene	0.96682	1.22200	0.010	-26.39343	30.00000	Averaged
169 1,2,4-Trichlorobenzene	0.63925	0.73723	0.010	-15.32777	30.00000	Averaged
170 Hexachlorobutadiene	0.51383	0.66603	0.010	-29.62181	30.00000	Averaged
29 Isopentane	1.41783	1.51128	0.010	-6.59134	30.00000	Averaged
22 Butane	0.31898	0.30053	0.010	5.78127	30.00000	Averaged
99 Methyl Cyclohexane	2.44466	2.63801	0.010	-7.90931	30.00000	Averaged
171 Naphthalene	1.18108	1.12138	0.010	5.05423	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123103.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 31-DEC-2007 08:17
Operator : lo Inst ID: msd1.i
Smp Info : 50mL #1576-96A
Misc Info : 100ppbv -> 50ppbv
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 31-Dec-2007 10:54 sruth Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5	
14.389	14.389 (1.000)	130	310500	25.0000		80.00- 120.00	100.00
14.389	14.389 (1.000)	128	235096			25.72- 125.72	75.72
14.389	14.389 (1.000)	49	354170			64.06- 164.06	114.06
* 95 1,4-Difluorobenzene						CAS #: 540-36-3	
15.882	15.882 (1.000)	114	1331171	25.0000		80.00- 120.00	100.00
15.882	15.882 (1.000)	88	207907			0.00- 65.62	15.62
* 123 Chlorobenzene-d5						CAS #: 3114-55-4	
20.140	20.140 (1.000)	117	1160929	25.0000		80.00- 120.00	100.00
20.140	20.140 (1.000)	82	621539			2.07- 102.07	53.54
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.273	15.273 (1.061)	65	523568	25.0000	25.692	80.00- 120.00	100.00
15.273	15.273 (1.061)	67	292841			2.06- 102.06	55.93
$ 111 Toluene-d8						CAS #: 2037-26-5	
18.094	18.094 (1.139)	98	1209060	25.0000	24.343	80.00- 120.00	100.00
18.094	18.094 (1.139)	70	126662			0.00- 60.40	10.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.094	18.094 (1.139)	100	823386			17.93- 117.93	68.10
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	761441	25.0000	27.945	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	844663			60.93- 160.93	110.93
21.633	21.633 (1.074)	176	736222			46.69- 146.69	96.69
12 Propylene					CAS #: 115-07-1		
2.527	2.527 (0.176)	41	797037	50.0000	60.849	80.00- 120.00	100.00
2.527	2.527 (0.176)	42	517571			11.62- 111.62	64.94
2.527	2.527 (0.176)	39	628487			33.11- 133.11	78.85
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.942	2.942 (0.204)	85	3402143	50.0000	56.711	80.00- 120.00	100.00
2.914	2.914 (0.203)	87	1082176			0.00- 76.90	31.81
17 Freon 114					CAS #: 76-14-2		
4.435	4.435 (0.308)	135	2215732	50.0000	50.995	80.00- 120.00	100.00
4.435	4.435 (0.308)	137	706521			0.00- 81.89	31.89
21 Chloromethane					CAS #: 74-87-3		
4.739	4.739 (0.329)	50	811853	50.0000	51.500	80.00- 120.00	100.00
4.739	4.739 (0.329)	52	271634			0.00- 82.82	33.46
23 Vinyl Chloride					CAS #: 75-01-4		
5.707	5.707 (0.397)	62	1009529	50.0000	50.704	80.00- 120.00	100.00
5.707	5.707 (0.397)	64	312840			0.00- 79.63	30.99
24 1,3-Butadiene					CAS #: 106-99-0		
6.011	6.011 (0.418)	54	687400	50.0000	50.635	80.00- 120.00	100.00
6.011	6.011 (0.418)	39	691738			63.73- 163.73	100.63
26 Bromomethane					CAS #: 74-83-9		
7.642	7.642 (0.531)	94	808463	50.0000	58.305	80.00- 120.00	100.00
7.642	7.642 (0.531)	96	752569			43.09- 143.09	93.09
28 Chloroethane					CAS #: 75-00-3		
8.223	8.223 (0.571)	64	466303	50.0000	48.864	80.00- 120.00	100.00
8.223	8.223 (0.571)	49	102682			0.00- 73.86	22.02
8.223	8.223 (0.571)	66	143098			0.00- 85.11	30.69
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.108	9.108 (0.633)	101	3003624	50.0000	52.053	80.00- 120.00	100.00
9.108	9.108 (0.633)	103	1957605			15.17- 115.17	65.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	288089	50.0000	46.399	80.00- 120.00	100.00
10.269	10.269 (0.714)	43	76528			0.00- 76.14	26.56
10.269	10.269 (0.714)	46	108725			0.00- 89.17	37.74
43 Freon 113					CAS #: 76-13-1		
10.684	10.684 (0.742)	151	1525882	50.0000	55.260	80.00- 120.00	100.00
10.684	10.684 (0.742)	153	975876			13.95- 113.95	63.95
10.684	10.684 (0.742)	101	1812153			68.76- 168.76	118.76
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.628	10.628 (0.739)	61	1533767	50.0000	51.471	80.00- 120.00	100.00
10.628	10.628 (0.739)	96	901092			8.75- 108.75	58.75
10.628	10.628 (0.739)	98	576069			0.00- 87.56	37.56
45 Acetone					CAS #: 67-64-1		
10.988	10.988 (0.764)	58	394083	50.0000	49.308	80.00- 120.00	100.00
10.988	10.988 (0.764)	43	1459762			314.99- 414.99	370.42
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	1784962	50.0000	53.676	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	378134			0.00- 72.77	21.18
11.458	11.458 (0.796)	59	72337			0.00- 54.24	4.05
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	2418130	50.0000	46.639	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	305747	50.0000	50.152	80.00- 120.00	100.00
11.568	11.568 (0.804)	41	771076			206.76- 306.76	252.19
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	732037	50.0000	45.758	80.00- 120.00	100.00
11.872	11.872 (0.825)	84	672914			41.92- 141.92	91.92
11.872	11.872 (0.825)	51	227121			0.00- 80.99	31.03
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	1067967	50.0000	37.318	80.00- 120.00	100.00
12.287	12.287 (0.854)	57	196392			0.00- 68.39	18.39
12.287	12.287 (0.854)	41	186954			0.00- 70.92	17.51
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.287	12.287 (0.854)	96	938285	50.0000	47.589	80.00- 120.00	100.00
12.287	12.287 (0.854)	61	1314672			90.11- 190.11	140.11
12.287	12.287 (0.854)	98	596007			8.99- 108.99	63.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	1325053	50.0000	57.857	80.00- 120.00	100.00
12.674	12.674 (0.881)	43	776990			9.98- 109.98	58.64
12.674	12.674 (0.881)	86	271296			0.00- 70.92	20.47
67 Vinyl Acetate					CAS #: 108-05-4		
13.172	13.172 (0.915)	86	122963	50.0000	45.401	80.00- 120.00	100.00
13.172	13.172 (0.915)	43	1060031			772.82- 872.82	862.07
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.089	13.089 (0.910)	63	1578070	50.0000	53.429	80.00- 120.00	100.00
13.089	13.089 (0.910)	65	504336			0.00- 81.96	31.96
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	476204	50.0000	54.509	80.00- 120.00	100.00
14.057	14.057 (0.977)	43	1905822			350.21- 450.21	400.21
14.057	14.057 (0.977)	57	146141			0.00- 80.92	30.69
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	1251096	50.0000	52.738	80.00- 120.00	100.00
14.029	14.029 (0.975)	96	936892			24.89- 124.89	74.89
14.029	14.029 (0.975)	98	603447			0.00- 98.23	48.23
78 Tetrahydrofuran					CAS #: 109-99-9		
14.389	14.389 (1.000)	42	1052204	50.0000	48.634	80.00- 120.00	100.00
14.389	14.389 (1.000)	71	498930			0.00- 97.42	47.42
14.389	14.389 (1.000)	72	559935			3.13- 103.13	53.22
81 Chloroform					CAS #: 67-66-3		
14.472	14.472 (1.006)	83	2118670	50.0000	52.023	80.00- 120.00	100.00
14.472	14.472 (1.006)	85	1389763			15.60- 115.60	65.60
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.720	14.720 (1.023)	97	2235930	50.0000	59.914	80.00- 120.00	100.00
14.720	14.720 (1.023)	99	1425139			13.74- 113.74	63.74
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	1398288	50.0000	57.167	80.00- 120.00	100.00
14.693	14.693 (1.021)	56	1395825			49.82- 149.82	99.82
14.693	14.693 (1.021)	41	765782			4.77- 104.77	54.77
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	2323356	50.0000	59.389	80.00- 120.00	100.00
14.914	14.914 (1.036)	117	2505249			57.83- 157.83	107.83
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.218	15.218 (1.058)	57	3198004	50.0000	57.069	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.218	15.218 (1.058)	56	1009276			0.00- 81.75	31.56
15.218	15.218 (1.058)	41	867803			0.00- 77.28	27.14
91 Benzene					CAS #: 71-43-2		
15.273	15.273 (0.962)	78	3060048	50.0000	51.037	80.00- 120.00	100.00
15.273	15.273 (0.962)	77	722689			0.00- 74.26	23.62
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	1499138	50.0000	51.373	80.00- 120.00	100.00
15.384	15.384 (0.969)	64	484963			0.00- 83.08	32.35
94 Heptane					CAS #: 142-82-5		
15.495	15.495 (0.976)	71	983032	50.0000	55.818	80.00- 120.00	100.00
15.495	15.495 (0.976)	43	1371197			89.22- 189.22	139.49
15.495	15.495 (0.976)	57	834576			35.31- 135.31	84.90
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	1311935	50.0000	52.141	80.00- 120.00	100.00
16.269	16.269 (1.024)	130	1330667			51.43- 151.43	101.43
16.269	16.269 (1.024)	97	848900			14.71- 114.71	64.71
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	950023	50.0000	51.108	80.00- 120.00	100.00
16.711	16.711 (1.052)	62	666622			20.17- 120.17	70.17
16.711	16.711 (1.052)	41	640899			17.46- 117.46	67.46
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	868069	50.0000	49.953	80.00- 120.00	100.00
16.849	16.849 (1.061)	58	533508			11.46- 111.46	61.46
16.849	16.849 (1.061)	57	186588			0.00- 70.45	21.49
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	2311580	50.0000	54.173	80.00- 120.00	100.00
17.098	17.098 (1.077)	85	1472349			13.69- 113.69	63.69
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	1632009	50.0000	51.178	80.00- 120.00	100.00
17.762	17.762 (1.118)	77	531311			0.00- 82.56	32.56
17.762	17.762 (1.118)	39	813656			0.00- 99.86	49.86
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	1008443	50.0000	53.472	80.00- 120.00	100.00
17.928	17.928 (1.129)	43	2367606			186.92- 286.92	234.78
17.928	17.928 (1.129)	85	521002			1.40- 101.40	51.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	3760634	50.0000	49.920	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	2219561			9.02- 109.02	59.02
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	1751541	50.0000	53.607	80.00- 120.00	100.00
18.564	18.564 (0.922)	77	554106			0.00- 81.64	31.64
18.564	18.564 (0.922)	39	746965			0.00- 92.65	42.65
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.812	18.812 (0.934)	97	1209693	50.0000	50.989	80.00- 120.00	100.00
18.812	18.812 (0.934)	99	768440			13.52- 113.52	63.52
18.812	18.812 (0.934)	83	975704			30.66- 130.66	80.66
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	1949441	50.0000	55.875	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	1297311			16.55- 116.55	66.55
18.951	18.951 (0.941)	131	1267806			15.03- 115.03	65.03
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	1477616	50.0000	51.889	80.00- 120.00	100.00
19.089	19.089 (0.948)	43	2524898			120.88- 220.88	170.88
19.089	19.089 (0.948)	100	392919			0.00- 76.67	26.59
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	2292195	50.0000	58.034	80.00- 120.00	100.00
19.365	19.365 (0.962)	127	1755337			28.19- 128.19	76.58
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.559	19.559 (0.971)	107	1961848	50.0000	51.966	80.00- 120.00	100.00
19.559	19.559 (0.971)	109	1841845			43.88- 143.88	93.88
124 Chlorobenzene					CAS #: 108-90-7		
20.167	20.167 (1.001)	112	3098703	50.0000	50.791	80.00- 120.00	100.00
20.167	20.167 (1.001)	114	989986			0.00- 81.95	31.95
20.167	20.167 (1.001)	77	1955813			13.12- 113.12	63.12
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	1744738	50.0000	51.685	80.00- 120.00	100.00
20.250	20.250 (1.005)	91	5606218			264.26- 364.26	321.32
128 m,p-Xylene					CAS #: 108-38-3		
20.416	20.416 (1.014)	106	2200411	50.0000	53.698	80.00- 120.00	100.00
20.416	20.416 (1.014)	91	4414535			160.89- 260.89	200.62
130 o-Xylene					CAS #: 95-47-6		
20.941	20.941 (1.040)	106	2070418	50.0000	52.942	80.00- 120.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	======	========	====	========	=======	=======	============	=====
130 o-Xylene (continued)								
20.941	20.941	(1.040)	91	4402217			162.62- 262.62	212.62
131 Styrene						CAS #: 100-42-5		
20.969	20.969	(1.041)	104	3334576	50.0000	53.330	80.00- 120.00	100.00
20.941	20.941	(1.040)	78	1661337			0.00- 99.82	49.82
133 Bromoform						CAS #: 75-25-2		
21.273	21.273	(1.056)	173	2323339	50.0000	57.934	80.00- 120.00	100.00
21.273	21.273	(1.056)	171	1185992			1.05- 101.05	51.05
134 Cumene						CAS #: 98-82-8		
21.356	21.356	(1.060)	105	6226273	50.0000	55.483	80.00- 120.00	100.00
21.356	21.356	(1.060)	120	1581041			0.00- 78.08	25.39
21.356	21.356	(1.060)	51	470195			0.00- 58.74	7.55
138 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5		
21.799	21.799	(1.082)	83	2482737	50.0000	51.427	80.00- 120.00	100.00
21.799	21.799	(1.082)	85	1616217			15.10- 115.10	65.10
140 Propylbenzene						CAS #: 103-65-1		
21.854	21.854	(1.085)	91	7044092	50.0000	55.535	80.00- 120.00	100.00
21.882	21.882	(1.086)	120	1616330			0.00- 72.27	22.95
21.882	21.882	(1.086)	105	276551			0.00- 54.06	3.93
144 4-Ethyltoluene						CAS #: 622-96-8		
21.992	21.992	(1.092)	105	7617502	50.0000	62.454	80.00- 120.00	100.00
21.992	21.992	(1.092)	120	2355822			0.00- 80.93	30.93
146 1,3,5-Trimethylbenzene						CAS #: 108-67-8		
22.075	22.075	(1.096)	105	5161036	50.0000	57.269	80.00- 120.00	100.00
22.075	22.075	(1.096)	120	2440805			0.00- 98.86	47.29
152 1,2,4-Trimethylbenzene						CAS #: 95-63-6		
22.545	22.545	(1.119)	105	4732994	50.0000	59.184	80.00- 120.00	100.00
22.545	22.545	(1.119)	120	2104507			0.00- 94.57	44.46
158 1,3-Dichlorobenzene						CAS #: 541-73-1		
22.960	22.960	(1.140)	146	3289194	50.0000	62.132	80.00- 120.00	100.00
22.960	22.960	(1.140)	148	2103164			13.76- 113.76	63.94
22.960	22.960	(1.140)	111	1192416			0.00- 87.53	36.25
159 1,4-Dichlorobenzene						CAS #: 106-46-7		
23.070	23.070	(1.146)	146	3234225	50.0000	62.926	80.00- 120.00	100.00
23.070	23.070	(1.146)	148	2073534			16.24- 116.24	64.11
23.070	23.070	(1.146)	111	1140668			0.00- 86.79	35.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.209	23.209 (1.152)	91	3845763	50.0000	58.122	80.00- 120.00	100.00
23.209	23.209 (1.152)	126	783837			0.00- 71.33	20.38
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.513	23.513 (1.167)	146	2837301	50.0000	63.197	80.00- 120.00	100.00
23.513	23.513 (1.167)	148	1809194			13.76- 113.76	63.76
23.513	23.513 (1.167)	111	1078346			0.00- 88.01	38.01
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	1711752	50.0000	57.664	80.00- 120.00	100.00
25.393	25.393 (1.261)	182	1620376			44.66- 144.66	94.66
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.504	25.504 (1.266)	225	1546438	50.0000	64.811	80.00- 120.00	100.00
25.504	25.504 (1.266)	223	960244			11.04- 111.04	62.09
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	938506	50.0000	53.296	80.00- 120.00	100.00
8.416	8.416 (0.585)	57	734578			26.98- 126.98	78.27
22 Butane					CAS #: 106-97-8		
5.568	5.568 (0.387)	58	186632	50.0000	47.109	80.00- 120.00	100.00
5.568	5.568 (0.387)	43	1307271			636.03- 736.03	700.45
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	1638206	50.0000	53.955	80.00- 120.00	100.00
16.490	16.490 (1.146)	98	852566			1.44- 101.44	52.04
16.490	16.490 (1.146)	55	1202129			21.09- 121.09	73.38
171 Naphthalene					CAS #: 91-20-3		
25.752	25.752 (1.279)	128	2603692	50.0000	47.473	80.00- 120.00	100.00
25.752	25.752 (1.279)	127	333732			0.00- 66.01	12.82

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123103.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 100ppbv -> 50ppbv

Calibration Date: 31-DEC-2007
Calibration Time: 10:24
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	297125	178275	415975	310500	4.50
95 1,4-Difluorobenze	1286733	772040	1801426	1331171	3.45
123 Chlorobenzene-d5	1103885	662331	1545439	1160929	5.17

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

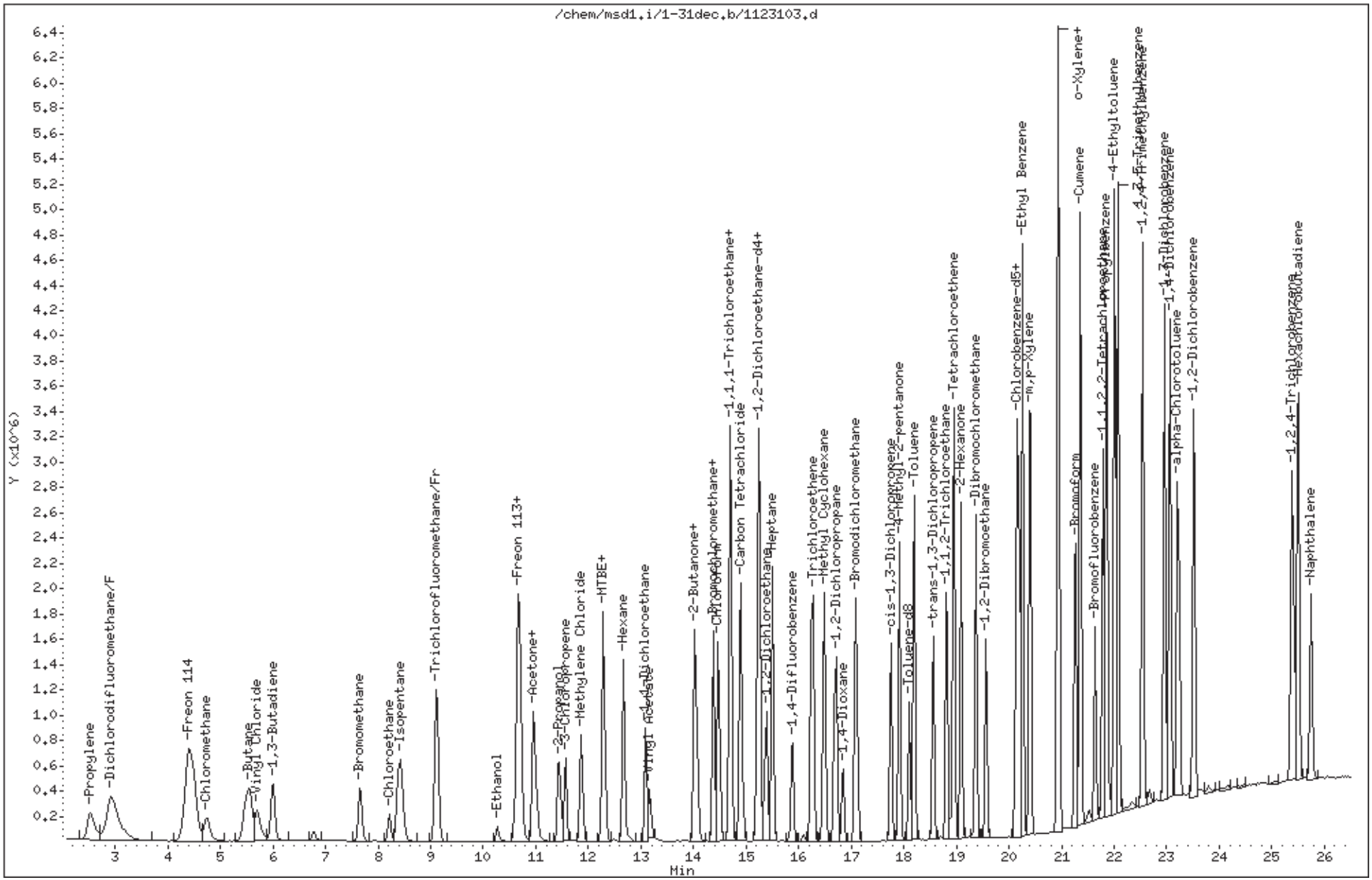
0208

Data File: /chem/msd1.i/1-31dec.b/1123103.d
Date : 31-DEC-2007 08:17
Client ID: CCV-1
Sample Info: 50mL #1576-96A

Instrument: msd1.i

Operator: lo
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712517-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 08:58 AM**	

Compound	%Recovery
Freon 12	103
Freon 114	92
Chloromethane	93
Vinyl Chloride	90
1,3-Butadiene	89
Bromomethane	104
Chloroethane	88
Freon 11	98
Ethanol	74
Freon 113	119
1,1-Dichloroethene	111
Acetone	91
2-Propanol	72
Carbon Disulfide	89
3-Chloropropene	91
Methylene Chloride	97
Methyl tert-butyl ether	65
trans-1,2-Dichloroethene	93
Hexane	113
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	98
Tetrahydrofuran	75
Chloroform	102
1,1,1-Trichloroethane	110
Cyclohexane	108
Carbon Tetrachloride	112
2,2,4-Trimethylpentane	108
Benzene	95
1,2-Dichloroethane	98
Heptane	104
Trichloroethene	97
1,2-Dichloropropane	95
1,4-Dioxane	78
Bromodichloromethane	101
cis-1,3-Dichloropropene	95
4-Methyl-2-pentanone	83
Toluene	97
trans-1,3-Dichloropropene	96

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0712517-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1123104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/31/07 08:58 AM**	

Compound	%Recovery
1,1,2-Trichloroethane	94
Tetrachloroethene	102
2-Hexanone	72
Dibromochloromethane	104
1,2-Dibromoethane (EDB)	92
Chlorobenzene	92
Ethyl Benzene	92
m,p-Xylene	96
o-Xylene	95
Styrene	98
Bromoform	106
Cumene	103
1,1,2,2-Tetrachloroethane	92
Propylbenzene	101
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	110
1,4-Dichlorobenzene	110
alpha-Chlorotoluene	108
1,2-Dichlorobenzene	109
1,2,4-Trichlorobenzene	89
Hexachlorobutadiene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	110	70-130

Report Date: 31-Dec-2007 09:55

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 1-31dec
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: lo
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 200ppbv -> 50ppbv

SPIKE	COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
14	Dichlorodifluorome	50.000	51.378	102.76	70-130
17	Freon 114	50.000	46.230	92.46	70-130
21	Chloromethane	50.000	46.741	93.48	70-130
23	Vinyl Chloride	50.000	45.187	90.37	70-130
24	1,3-Butadiene	50.000	44.606	89.21	60-140
26	Bromomethane	50.000	51.812	103.62	70-130
28	Chloroethane	50.000	44.021	88.04	70-130
34	Trichlorofluoromet	50.000	49.211	98.42	70-130
38	Ethanol	50.000	37.102	74.20	60-140
43	Freon 113	50.000	59.512	119.02	70-130
44	1,1-Dichloroethene	50.000	55.339	110.68	70-130
45	Acetone	50.000	45.400	90.80	60-140
48	Carbon Disulfide	50.000	44.345	88.69	60-140
46	2-Propanol	50.000	36.274	72.55	60-140
54	Methylene Chloride	50.000	48.325	96.65	70-130
58	MTBE	50.000	32.737	65.47	60-140
59	trans-1,2-Dichloro	50.000	46.342	92.68	60-140
64	Hexane	50.000	56.491	112.98	60-140
67	Vinyl Acetate	50.000	42.224	84.45	60-140
68	1,1-Dichloroethane	50.000	53.995	107.99	70-130
76	cis-1,2-Dichloroet	50.000	49.110	98.22	70-130
75	2-Butanone	50.000	47.826	95.65	60-140
78	Tetrahydrofuran	50.000	37.653	75.31	60-140
81	Chloroform	50.000	50.819	101.64	70-130
84	Cyclohexane	50.000	54.293	108.59	60-140
83	1,1,1-Trichloroeth	50.000	55.204	110.41	70-130
85	Carbon Tetrachlori	50.000	55.988	111.98	70-130
91	Benzene	50.000	47.472	94.94	70-130
93	1,2-Dichloroethane	50.000	48.783	97.57	70-130
94	Heptane	50.000	52.053	104.11	60-140
97	Trichloroethene	50.000	48.612	97.23	70-130
102	1,2-Dichloropropan	50.000	47.427	94.85	70-130
103	1,4-Dioxane	50.000	39.157	78.31	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
106 Bromodichlorometha	50.000	50.373	100.75	60-140
109 cis-1,3-Dichloropr	50.000	47.422	94.84	70-130
110 4-Methyl-2-pentano	50.000	41.459	82.92	60-140
114 Toluene	50.000	48.655	97.31	70-130
115 trans-1,3-Dichloro	50.000	47.828	95.66	70-130
116 1,1,2-Trichloroeth	50.000	46.986	93.97	70-130
117 Tetrachloroethene	50.000	50.922	101.84	70-130
118 2-Hexanone	50.000	36.242	72.48	60-140
121 Dibromochlorometha	50.000	52.252	104.50	60-140
122 1,2-Dibromoethane	50.000	46.237	92.47	70-130
124 Chlorobenzene	50.000	46.119	92.24	70-130
125 Ethyl Benzene	50.000	46.120	92.24	70-130
128 m,p-Xylene	50.000	47.755	95.51	70-130
130 o-Xylene	50.000	47.422	94.84	70-130
131 Styrene	50.000	49.005	98.01	70-130
133 Bromoform	50.000	52.983	105.97	60-140
138 1,1,2,2-Tetrachlor	50.000	45.837	91.67	70-130
144 4-Ethyltoluene	50.000	57.059	114.12	60-140
146 1,3,5-Trimethylben	50.000	50.479	100.96	70-130
152 1,2,4-Trimethylben	50.000	52.016	104.03	70-130
158 1,3-Dichlorobenzen	50.000	54.769	109.54	70-130
159 1,4-Dichlorobenzen	50.000	55.055	110.11	70-130
162 alpha-Chlorotoluen	50.000	53.996	107.99	70-130
164 1,2-Dichlorobenzen	50.000	54.580	109.16	70-130
169 1,2,4-Trichloroben	50.000	44.366	88.73	70-130
170 Hexachlorobutadien	50.000	49.129	98.26	70-130
140 Propylbenzene	50.000	50.352	100.70	60-140
134 Cumene	50.000	51.335	102.67	60-140
50 3-Chloropropene	50.000	45.535	91.07	60-140
88 2,2,4-Trimethylpen	50.000	54.116	108.23	60-140
29 Isopentane	50.000	49.631	99.26	70-130
22 Butane	50.000	43.690	87.38	70-130
99 Methyl Cyclohexane	50.000	52.512	105.02	70-130
12 Propylene	50.000	55.636	111.27	60-140
171 Naphthalene	50.000	38.548	77.10	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	26.106	104.42	70-130
$ 111 Toluene-d8	25.000	24.556	98.23	70-130
$ 136 Bromofluorobenzene	25.000	27.542	110.17	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msd1.i/1-31dec.b/1123104.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 31-DEC-2007 08:58
Operator : lo Inst ID: msd1.i
Smp Info : 25mL #1576-167
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msd1.i/1-31dec.b/t14q1124b.m
Meth Date : 31-Dec-2007 09:10 lover Quant Type: ISTD
Cal Date : 12-DEC-2007 16:13 Cal File: 1121210.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE		(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========		=======	=======	==========	=====
* 79 Bromochloromethane						CAS #: 74-97-5		
14.388	14.389 (1.000)	130	296566	25.0000			80.00- 120.00	100.00
14.388	14.389 (1.000)	128	230567				25.72- 125.72	77.75
14.388	14.389 (1.000)	49	343315				64.06- 164.06	115.76
* 95 1,4-Difluorobenzene						CAS #: 540-36-3		
15.882	15.882 (1.000)	114	1300232	25.0000			80.00- 120.00	100.00
15.854	15.882 (1.000)	88	206527				0.00- 65.62	15.88
* 123 Chlorobenzene-d5						CAS #: 3114-55-4		
20.140	20.140 (1.000)	117	1162731	25.0000			80.00- 120.00	100.00
20.140	20.140 (1.000)	82	606011				2.07- 102.07	52.12
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
15.273	15.273 (1.061)	65	508123	26.1062	26.106		80.00- 120.00	100.00
15.273	15.273 (1.061)	67	279875				2.06- 102.06	55.08
$ 111 Toluene-d8						CAS #: 2037-26-5		
18.093	18.094 (1.139)	98	1191314	24.5563	24.556		80.00- 120.00	100.00
18.093	18.094 (1.139)	70	126556				0.00- 60.40	10.62

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 111 Toluene-d8 (continued)							
18.093	18.094 (1.139)	100	806453			17.93- 117.93	67.69
$ 136 Bromofluorobenzene					CAS #: 460-00-4		
21.633	21.633 (1.074)	174	751623	27.5420	27.542	80.00- 120.00	100.00
21.633	21.633 (1.074)	95	847260			60.93- 160.93	112.72
21.633	21.633 (1.074)	176	715956			46.69- 146.69	95.25
12 Propylene					CAS #: 115-07-1		
2.527	2.527 (0.176)	41	696041	55.6356	55.636	80.00- 120.00	100.00
2.527	2.527 (0.176)	42	467714			11.62- 111.62	67.20
2.527	2.527 (0.176)	39	564521			33.11- 133.11	81.10
14 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.914	2.942 (0.203)	85	2943888	51.3776	51.378	80.00- 120.00	100.00
2.914	2.942 (0.203)	87	946248			0.00- 76.90	32.14
17 Freon 114					CAS #: 76-14-2		
4.435	4.435 (0.308)	135	1918534	46.2297	46.230	80.00- 120.00	100.00
4.435	4.435 (0.308)	137	605583			0.00- 81.89	31.56
21 Chloromethane					CAS #: 74-87-3		
4.739	4.739 (0.329)	50	703763	46.7412	46.741	80.00- 120.00	100.00
4.739	4.739 (0.329)	52	231437			0.00- 82.82	32.89
23 Vinyl Chloride					CAS #: 75-01-4		
5.707	5.707 (0.397)	62	859305	45.1870	45.187	80.00- 120.00	100.00
5.707	5.707 (0.397)	64	274886			0.00- 79.63	31.99
24 1,3-Butadiene					CAS #: 106-99-0		
5.983	6.011 (0.416)	54	578371	44.6058	44.606	80.00- 120.00	100.00
5.983	6.011 (0.416)	39	581640			63.73- 163.73	100.57
26 Bromomethane					CAS #: 74-83-9		
7.642	7.642 (0.531)	94	686191	51.8125	51.812	80.00- 120.00	100.00
7.642	7.642 (0.531)	96	649293			43.09- 143.09	94.62
28 Chloroethane					CAS #: 75-00-3		
8.223	8.223 (0.571)	64	401235	44.0207	44.021	80.00- 120.00	100.00
8.223	8.223 (0.571)	49	94747			0.00- 73.86	23.61
8.223	8.223 (0.571)	66	131606			0.00- 85.11	32.80
34 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
9.107	9.108 (0.633)	101	2712236	49.2113	49.211	80.00- 120.00	100.00
9.107	9.108 (0.633)	103	1743298			15.17- 115.17	64.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
10.269	10.269 (0.714)	45	220025	37.1021	37.102	80.00- 120.00	100.00
10.269	10.269 (0.714)	43	55306			0.00- 76.14	25.14
10.269	10.269 (0.714)	46	87553			0.00- 89.17	39.79
43 Freon 113					CAS #: 76-13-1		
10.683	10.684 (0.742)	151	1569535	59.5121	59.512	80.00- 120.00	100.00
10.683	10.684 (0.742)	153	1002274			13.95- 113.95	63.86
10.683	10.684 (0.742)	101	1849497			68.76- 168.76	117.84
44 1,1-Dichloroethene					CAS #: 75-35-4		
10.628	10.628 (0.739)	61	1575004	55.3387	55.339	80.00- 120.00	100.00
10.628	10.628 (0.739)	96	906094			8.75- 108.75	57.53
10.628	10.628 (0.739)	98	572114			0.00- 87.56	36.32
45 Acetone					CAS #: 67-64-1		
10.988	10.988 (0.764)	58	346560	45.3997	45.400	80.00- 120.00	100.00
10.988	10.988 (0.764)	43	1278684			314.99- 414.99	368.96
46 2-Propanol					CAS #: 67-63-0		
11.458	11.458 (0.796)	45	1152145	36.2741	36.274	80.00- 120.00	100.00
11.458	11.458 (0.796)	43	254465			0.00- 72.77	22.09
11.458	11.458 (0.796)	59	47367			0.00- 54.24	4.11
48 Carbon Disulfide					CAS #: 75-15-0		
10.960	10.960 (0.762)	76	2195986	44.3447	44.345	80.00- 120.00	100.00
50 3-Chloropropene					CAS #: 107-05-1		
11.568	11.568 (0.804)	76	265141	45.5350	45.535	80.00- 120.00	100.00
11.568	11.568 (0.804)	41	662055			206.76- 306.76	249.70
54 Methylene Chloride					CAS #: 75-09-2		
11.872	11.872 (0.825)	49	738403	48.3249	48.325	80.00- 120.00	100.00
11.872	11.872 (0.825)	84	675561			41.92- 141.92	91.49
11.872	11.872 (0.825)	51	216990			0.00- 80.99	29.39
58 MTBE					CAS #: 1634-04-4		
12.287	12.287 (0.854)	73	894833	32.7374	32.737	80.00- 120.00	100.00
12.287	12.287 (0.854)	57	166631			0.00- 68.39	18.62
12.287	12.287 (0.854)	41	153980			0.00- 70.92	17.21
59 trans-1,2-Dichloroethene					CAS #: 156-60-5		
12.287	12.287 (0.854)	96	872692	46.3416	46.342	80.00- 120.00	100.00
12.287	12.287 (0.854)	61	1195428			90.11- 190.11	136.98
12.287	12.287 (0.854)	98	558047			8.99- 108.99	63.95

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
64 Hexane					CAS #: 110-54-3		
12.674	12.674 (0.881)	57	1235693	56.4907	56.491	80.00- 120.00	100.00
12.674	12.674 (0.881)	43	730165			9.98- 109.98	59.09
12.674	12.674 (0.881)	86	262645			0.00- 70.92	21.25
67 Vinyl Acetate					CAS #: 108-05-4		
13.172	13.172 (0.915)	86	109226	42.2242	42.224	80.00- 120.00	100.00
13.172	13.172 (0.915)	43	958382			772.82- 872.82	877.42
68 1,1-Dichloroethane					CAS #: 75-34-3		
13.089	13.089 (0.910)	63	1523217	53.9953	53.995	80.00- 120.00	100.00
13.089	13.089 (0.910)	65	484187			0.00- 81.96	31.79
75 2-Butanone					CAS #: 78-93-3		
14.057	14.057 (0.977)	72	399064	47.8256	47.826	80.00- 120.00	100.00
14.057	14.057 (0.977)	43	1411948			350.21- 450.21	353.81
14.057	14.057 (0.977)	57	123844			0.00- 80.92	31.03
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
14.029	14.029 (0.975)	61	1112752	49.1103	49.110	80.00- 120.00	100.00
14.029	14.029 (0.975)	96	873589			24.89- 124.89	78.51
14.029	14.029 (0.975)	98	558426			0.00- 98.23	50.18
78 Tetrahydrofuran					CAS #: 109-99-9		
14.388	14.389 (1.000)	42	778060	37.6526	37.653	80.00- 120.00	100.00
14.388	14.389 (1.000)	71	390051			0.00- 97.42	50.13
14.388	14.389 (1.000)	72	423805			3.13- 103.13	54.47
81 Chloroform					CAS #: 67-66-3		
14.471	14.472 (1.006)	83	1976758	50.8190	50.819	80.00- 120.00	100.00
14.471	14.472 (1.006)	85	1289427			15.60- 115.60	65.23
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.693	14.720 (1.021)	97	1967706	55.2039	55.204	80.00- 120.00	100.00
14.693	14.720 (1.021)	99	1289633			13.74- 113.74	65.54
84 Cyclohexane					CAS #: 110-82-7		
14.693	14.693 (1.021)	84	1268398	54.2928	54.293	80.00- 120.00	100.00
14.693	14.693 (1.021)	56	1257341			49.82- 149.82	99.13
14.693	14.693 (1.021)	41	693481			4.77- 104.77	54.67
85 Carbon Tetrachloride					CAS #: 56-23-5		
14.914	14.914 (1.036)	119	2092020	55.9882	55.988	80.00- 120.00	100.00
14.914	14.914 (1.036)	117	2264040			57.83- 157.83	108.22
88 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.218	15.218 (1.058)	57	2896447	54.1161	54.116	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
88 2,2,4-Trimethylpentane (continued)							
15.218	15.218 (1.058)	56	916584			0.00- 81.75	31.65
15.218	15.218 (1.058)	41	787610			0.00- 77.28	27.19
91 Benzene					CAS #: 71-43-2		
15.246	15.273 (0.960)	78	2780121	47.4720	47.472	80.00- 120.00	100.00
15.246	15.273 (0.960)	77	652551			0.00- 74.26	23.47
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.384	15.384 (0.969)	62	1390489	48.7834	48.783	80.00- 120.00	100.00
15.384	15.384 (0.969)	64	444448			0.00- 83.08	31.96
94 Heptane					CAS #: 142-82-5		
15.494	15.495 (0.976)	71	895405	52.0527	52.053	80.00- 120.00	100.00
15.494	15.495 (0.976)	43	1249256			89.22- 189.22	139.52
15.494	15.495 (0.976)	57	742864			35.31- 135.31	82.96
97 Trichloroethene					CAS #: 79-01-6		
16.269	16.269 (1.024)	95	1194725	48.6126	48.612	80.00- 120.00	100.00
16.269	16.269 (1.024)	130	1207310			51.43- 151.43	101.05
16.269	16.269 (1.024)	97	760862			14.71- 114.71	63.69
102 1,2-Dichloropropane					CAS #: 78-87-5		
16.711	16.711 (1.052)	63	861103	47.4270	47.427	80.00- 120.00	100.00
16.711	16.711 (1.052)	62	596556			20.17- 120.17	69.28
16.711	16.711 (1.052)	41	569818			17.46- 117.46	66.17
103 1,4-Dioxane					CAS #: 123-91-1		
16.849	16.849 (1.061)	88	664652	39.1575	39.157	80.00- 120.00	100.00
16.822	16.849 (1.059)	58	413795			11.46- 111.46	62.26
16.849	16.849 (1.061)	57	138121			0.00- 70.45	20.78
106 Bromodichloromethane					CAS #: 75-27-4		
17.098	17.098 (1.077)	83	2099487	50.3732	50.373	80.00- 120.00	100.00
17.098	17.098 (1.077)	85	1366672			13.69- 113.69	65.10
109 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.762	17.762 (1.118)	75	1477093	47.4223	47.422	80.00- 120.00	100.00
17.762	17.762 (1.118)	77	464397			0.00- 82.56	31.44
17.762	17.762 (1.118)	39	724666			0.00- 99.86	49.06
110 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.928	17.928 (1.129)	58	763720	41.4593	41.459	80.00- 120.00	100.00
17.928	17.928 (1.129)	43	1778460			186.92- 286.92	232.87
17.928	17.928 (1.129)	85	400850			1.40- 101.40	52.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.204	18.204 (1.146)	91	3580191	48.6553	48.655	80.00- 120.00	100.00
18.204	18.204 (1.146)	92	2128991			9.02- 109.02	59.47
115 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.564	18.564 (0.922)	75	1565147	47.8280	47.828	80.00- 120.00	100.00
18.564	18.564 (0.922)	77	492295			0.00- 81.64	31.45
18.536	18.564 (0.920)	39	667346			0.00- 92.65	42.64
116 1,1,2-Trichloroethane					CAS #: 79-00-5		
18.812	18.812 (0.934)	97	1116460	46.9863	46.986	80.00- 120.00	100.00
18.812	18.812 (0.934)	99	689017			13.52- 113.52	61.71
18.812	18.812 (0.934)	83	906071			30.66- 130.66	81.16
117 Tetrachloroethene					CAS #: 127-18-4		
18.951	18.951 (0.941)	166	1779405	50.9222	50.922	80.00- 120.00	100.00
18.951	18.951 (0.941)	129	1210909			16.55- 116.55	68.05
18.951	18.951 (0.941)	131	1150023			15.03- 115.03	64.63
118 2-Hexanone					CAS #: 591-78-6		
19.089	19.089 (0.948)	58	1033661	36.2424	36.242	80.00- 120.00	100.00
19.089	19.089 (0.948)	43	1786942			120.88- 220.88	172.87
19.089	19.089 (0.948)	100	277769			0.00- 76.67	26.87
121 Dibromochloromethane					CAS #: 124-48-1		
19.365	19.365 (0.962)	129	2067019	52.2516	52.252	80.00- 120.00	100.00
19.365	19.365 (0.962)	127	1607047			28.19- 128.19	77.75
122 1,2-Dibromoethane					CAS #: 106-93-4		
19.559	19.559 (0.971)	107	1748279	46.2371	46.237	80.00- 120.00	100.00
19.559	19.559 (0.971)	109	1661800			43.88- 143.88	95.05
124 Chlorobenzene					CAS #: 108-90-7		
20.167	20.167 (1.001)	112	2818045	46.1190	46.119	80.00- 120.00	100.00
20.167	20.167 (1.001)	114	910725			0.00- 81.95	32.32
20.167	20.167 (1.001)	77	1761451			13.12- 113.12	62.51
125 Ethyl Benzene					CAS #: 100-41-4		
20.250	20.250 (1.005)	106	1559318	46.1205	46.120	80.00- 120.00	100.00
20.250	20.250 (1.005)	91	5043963			264.26- 364.26	323.47
128 m,p-Xylene					CAS #: 108-38-3		
20.388	20.416 (1.012)	106	1959952	47.7554	47.755	80.00- 120.00	100.00
20.388	20.416 (1.012)	91	3977835			160.89- 260.89	202.96
130 o-Xylene					CAS #: 95-47-6		
20.941	20.941 (1.040)	106	1857426	47.4225	47.422	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
20.941	20.941 (1.040)	91	3978530			162.62- 262.62	214.20
131 Styrene					CAS #: 100-42-5		
20.969	20.969 (1.041)	104	3068942	49.0053	49.005	80.00- 120.00	100.00
20.941	20.969 (1.040)	78	1507965			0.00- 99.82	49.14
133 Bromoform					CAS #: 75-25-2		
21.273	21.273 (1.056)	173	2128092	52.9834	52.983	80.00- 120.00	100.00
21.273	21.273 (1.056)	171	1085024			1.05- 101.05	50.99
134 Cumene					CAS #: 98-82-8		
21.356	21.356 (1.060)	105	5769698	51.3348	51.335	80.00- 120.00	100.00
21.356	21.356 (1.060)	120	1454123			0.00- 78.08	25.20
21.356	21.356 (1.060)	51	436857			0.00- 58.74	7.57
138 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
21.798	21.799 (1.082)	83	2216300	45.8370	45.837	80.00- 120.00	100.00
21.798	21.799 (1.082)	85	1429099			15.10- 115.10	64.48
140 Propylbenzene					CAS #: 103-65-1		
21.854	21.854 (1.085)	91	6396521	50.3516	50.352	80.00- 120.00	100.00
21.881	21.854 (1.086)	120	1468133			0.00- 72.27	22.95
21.854	21.854 (1.085)	105	240583			0.00- 54.06	3.76
144 4-Ethyltoluene					CAS #: 622-96-8		
21.992	21.992 (1.092)	105	6970265	57.0588	57.059	80.00- 120.00	100.00
21.992	21.992 (1.092)	120	1585600			0.00- 80.93	22.75
146 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
22.075	22.075 (1.096)	105	4556210	50.4792	50.479	80.00- 120.00	100.00
22.075	22.075 (1.096)	120	2735641			0.00- 98.86	60.04
152 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
22.545	22.545 (1.119)	105	4166211	52.0159	52.016	80.00- 120.00	100.00
22.545	22.545 (1.119)	120	1852536			0.00- 94.57	44.47
158 1,3-Dichlorobenzene					CAS #: 541-73-1		
22.960	22.960 (1.140)	146	2903875	54.7688	54.769	80.00- 120.00	100.00
22.960	22.960 (1.140)	148	1819219			13.76- 113.76	62.65
22.960	22.960 (1.140)	111	1064095			0.00- 87.53	36.64
159 1,4-Dichlorobenzene					CAS #: 106-46-7		
23.070	23.070 (1.146)	146	2834061	55.0546	55.055	80.00- 120.00	100.00
23.070	23.070 (1.146)	148	1831477			16.24- 116.24	64.62
23.070	23.070 (1.146)	111	982071			0.00- 86.79	34.65

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
162 alpha-Chlorotoluene					CAS #: 100-44-7		
23.209	23.209 (1.152)	91	3578326	53.9960	53.996	80.00- 120.00	100.00
23.209	23.209 (1.152)	126	721626			0.00- 71.33	20.17
164 1,2-Dichlorobenzene					CAS #: 95-50-1		
23.513	23.513 (1.167)	146	2454235	54.5797	54.580	80.00- 120.00	100.00
23.513	23.513 (1.167)	148	1551261			13.76- 113.76	63.21
23.513	23.513 (1.167)	111	936215			0.00- 88.01	38.15
169 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
25.393	25.393 (1.261)	180	1319057	44.3663	44.366	80.00- 120.00	100.00
25.393	25.393 (1.261)	182	1247423			44.66- 144.66	94.57
170 Hexachlorobutadiene					CAS #: 87-68-3		
25.504	25.504 (1.266)	225	1174082	49.1293	49.129	80.00- 120.00	100.00
25.504	25.504 (1.266)	223	721854			11.04- 111.04	61.48
29 Isopentane					CAS #: 78-78-4		
8.416	8.416 (0.585)	43	834754	49.6310	49.631	80.00- 120.00	100.00
8.416	8.416 (0.585)	57	640813			26.98- 126.98	76.77
22 Butane					CAS #: 106-97-8		
5.568	5.568 (0.387)	58	165319	43.6903	43.690	80.00- 120.00	100.00
5.568	5.568 (0.387)	43	1150393			636.03- 736.03	695.86
99 Methyl Cyclohexane					CAS #: 108-87-2		
16.490	16.490 (1.146)	83	1522860	52.5122	52.512	80.00- 120.00	100.00
16.490	16.490 (1.146)	98	783152			1.44- 101.44	51.43
16.490	16.490 (1.146)	55	1108810			21.09- 121.09	72.81
171 Naphthalene					CAS #: 91-20-3		
25.752	25.752 (1.279)	128	2117501	38.5484	38.548	80.00- 120.00	100.00
25.752	25.752 (1.279)	127	261608			0.00- 66.01	12.35

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd1.i
Lab File ID: 1123104.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msd1.i/1-31dec.b/t14q1124b.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 31-DEC-2007
Calibration Time: 08:17
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	310500	186300	434700	296566	-4.49
95 1,4-Difluorobenze	1331171	798703	1863639	1300232	-2.32
123 Chlorobenzene-d5	1160929	696557	1625301	1162731	0.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
79 Bromochloromethan	14.39	14.06	14.72	14.39	0.00
95 1,4-Difluorobenze	15.88	15.55	16.21	15.88	0.00
123 Chlorobenzene-d5	20.14	19.81	20.47	20.14	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd1.i/1-31dec.b/1123104.d

Date : 31-DEC-2007 08:58

Client ID: LCS-1

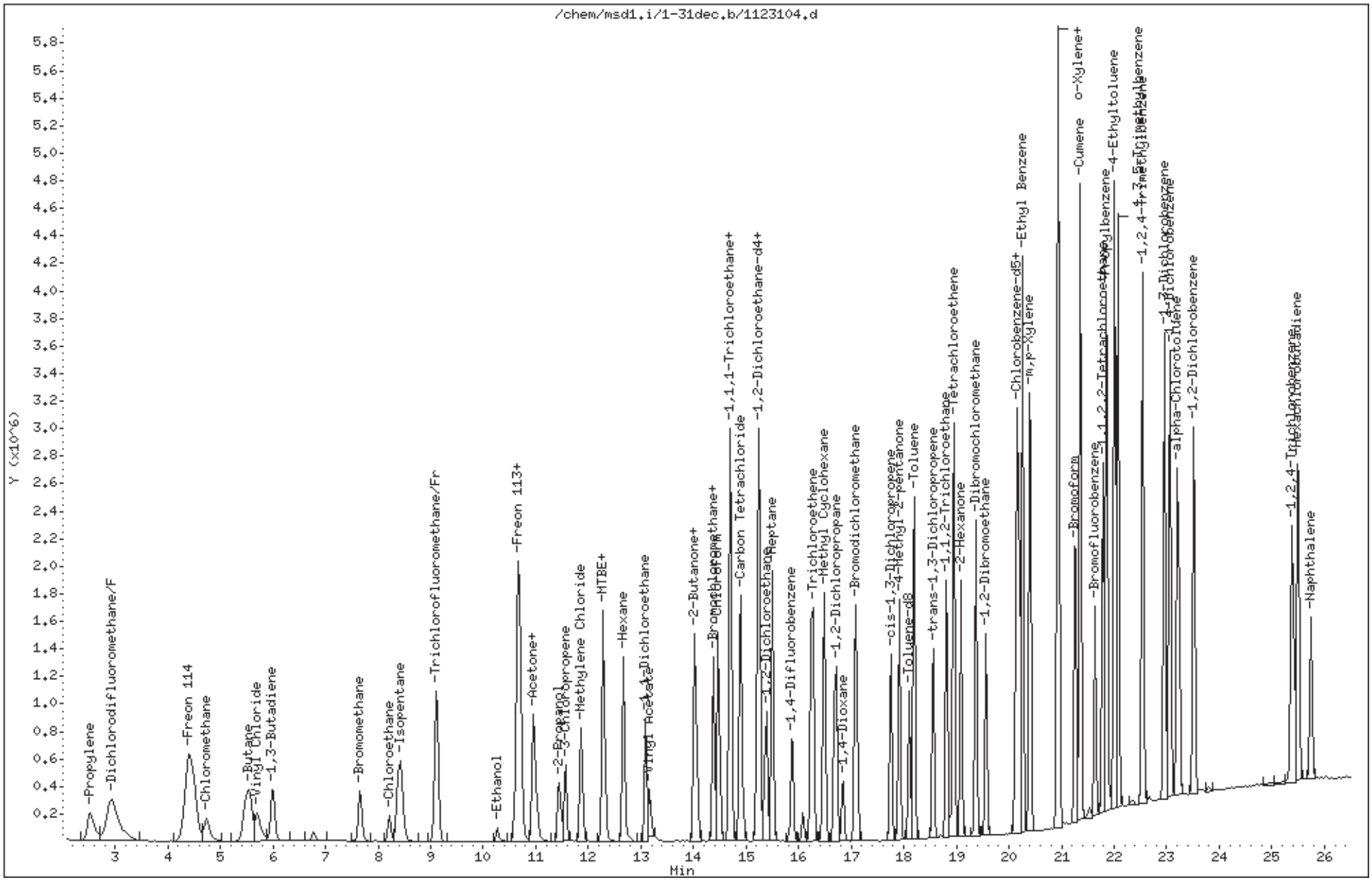
Sample Info: 25mL #1576-167

Column phase: RTx-624

Instrument: msd1.i

Operator: lo

Column diameter: 0.53



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MSD-1

Logbook #: 1628

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	16.46
75	30.0 – 60.0% of mass 95	47.48
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.43
173	Less than 2.0% of mass 174	(0.73)[1]
174	Greater than 50.0% of mass 95	86.40
175	5.0 – 9.0% of mass 174	(7.34)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.18)[1]
177	5.0 – 9.0% of mass 176	(6.38)[2]

[1] - value in parenthesis is % mass 174 [2] - value in parenthesis is % mass 176

BFB Injection Date: 12/31/07
BFB Injection Time: 0751
BFB File ID: 1123102
Tekmar Purge Flow: — sfm 12/31/07
Vacuum: 9.4 -6

IS/S Std.#: 1443-369	Exp. Date: 2/20/08
BCM	310500
1,4-DFB	1331171
CB-d5	1110929

Verified CCV IS vs ICAL mid-point (- 40%D) ____ *initials*

Verify 176/174 m/z Ratio: 645794/671447 x100 = 96.179%.

NOAH Cart #: NA **File #:** NA

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1209060\ )}{(\ 1331171\ )} \times \frac{(\ 25.00\ )}{(\ 0.93279\ )} = 24.34278$

Reported Result 24.343

File ID: 1123103
Compound: Td-d8
Initials:

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	X	1123101	BFB Tune Check	1467	50 psig	2 mL	1.00	12/31/07	0724		
2	✓	02	↓	↓	↓	↓	↓		0751		
3	✓	03	CCV-1 #1576-96A	100ppbv	50ppbv	50mL	1.00		0817		
4	✓	04	LCS-1 #1576-16A	20ppbv	50ppbv	25mL			0858		
5	✓	05	CCVsp (200ppbv)	1443-390					1024		
6	✓	06	Lab blank	12009	Humid	100mL			1127		
7	—	07	071258S-01A	1L Can	Effluent	150mL	1.00				Not run
8	✓	07	071247G-01A	3556	3"Hg-15psi	1.0mL	224	12/31/07	1358		
9	✓	08	↓	3924	3961	0.5"Hg-15psi	25mL	2.05	↓	1504	

Signature

12/31/07
Date

0223

@ Air Toxics Ltd.

MSD-1

Logbook #: 1628

10	✓	112305	07124716-01A	35556	3.0"Hg-5psi	1.0 mL	2.24	12/30/07	1551	SM	
11	✓	10	07123117-01A	22488	6.0"Hg-5psi	100 mL	1.68	↓	1632	SS	
12	✓	11	↓ 02A	33920	12.5"Hg-5psi	100 mL	1.71		1720	SS	
13	✓	12	03A	33596	12"Hg-5psi	100 mL	2.23		1746	SS	
14	✓	13	04AA	22498	6.0"Hg-5psi	100 mL	1.68		1830	SS	
15	✓	14	07125150-01A	31134	7.5"Hg-5psi	100 mL	1.71		1918	SS	
16	✓	15	↓ 02A	34197	7.0"Hg-5psi	100 mL	1.75		2005	SS	
17	✓	16	03A	34316	10.5"Hg-5psi	100 mL	2.04		2050	SS	
18	✓	17	07124163-01A	36035	0.0"Hg-5psi	12.5 mL	19.7		2123	SS	
19	X	18	↓ 02A	33925	7.0"Hg-5psi	20 mL	42.6	↓	2157	SS	Dilute for NT RR 100mL
20											
21											
22											
23											
24											
25											
26											
27											
28			for 1/2/08								
29											
30											
31											
32											

0224

Comments:

Laura Overmyer
Signature

1/2/08
Date

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-24nov.b/1112401.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 24-NOV-2007 17:14
Operator : dm Inst ID: msd1.i
Smp Info : 2.0ul #1476-58;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-24nov.b/bfb60.m
Meth Date : 24-Nov-2007 17:03 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.553	5.564	-0.011	95	1005581			100.00- 100.00	100.00
5.553	5.564	-0.011	50	171642			15.00- 40.00	17.07
5.553	5.564	-0.011	75	491483			30.00- 60.00	48.88
5.553	5.564	-0.011	96	65148			5.00- 9.00	6.48
5.553	5.564	-0.011	173	6614			0.00- 2.00	0.81
5.553	5.564	-0.011	174	813977			50.00- 100.00	80.95
5.553	5.564	-0.011	175	59112			5.00- 9.00	7.26
5.553	5.564	-0.011	176	787911			95.00- 101.00	96.80
5.553	5.564	-0.011	177	52838			5.00- 9.00	6.71

Data File: /var/chem/msd1.i/1-24nov.b/1112401.d

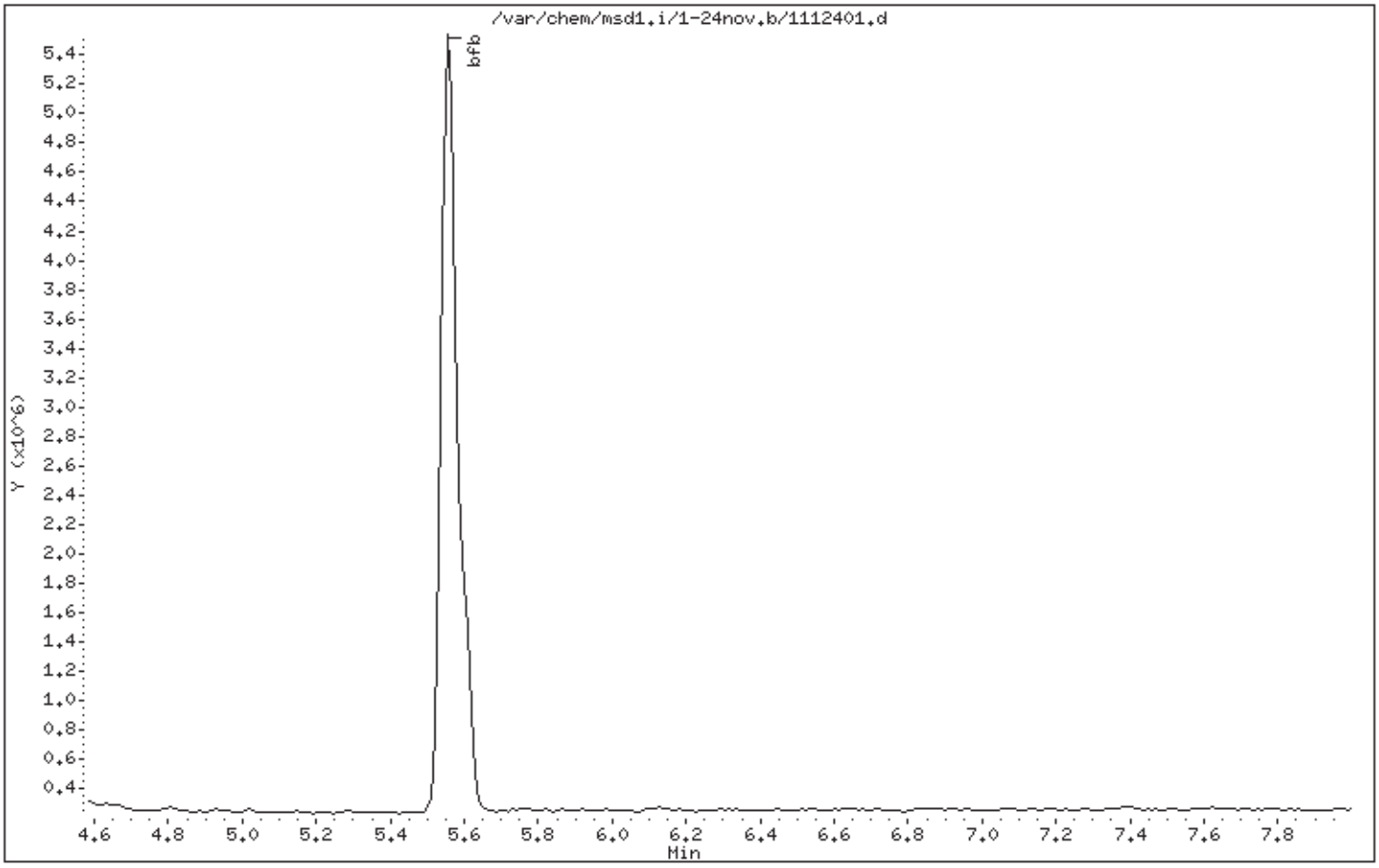
Date : 24-NOV-2007 17:14

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: dm

Column phase: Column diameter: 2.00



Data File: /var/chem/msd1.i/1-24nov.b/1112401.d

Date : 24-NOV-2007 17:14

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

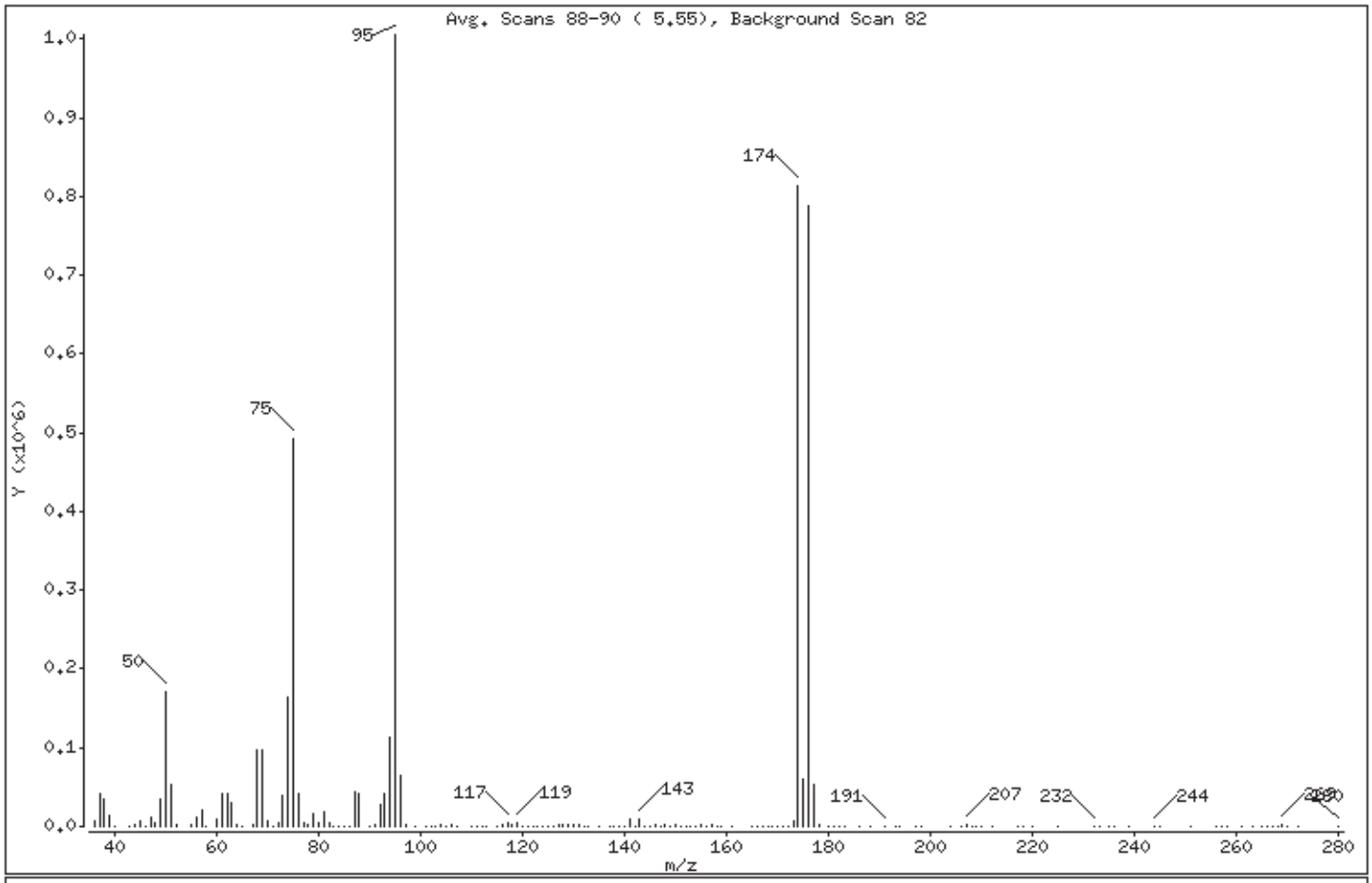
Volume Injected (uL): 1.0

Operator: dm

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.07
75	30.00 - 60.00% of mass 95	48.88
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	0.66 (0.81)
174	50.00 - 100.00% of mass 95	80.95
175	5.00 - 9.00% of mass 174	5.88 (7.26)
176	95.00 - 101.00% of mass 174	78.35 (96.80)
177	5.00 - 9.00% of mass 176	5.25 (6.71)

Data File: /var/chem/msd1.i/1-24nov.b/1112401.d

Date : 24-NOV-2007 17:14

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: dm

Column phase:

Column diameter: 2.00

Data File: 1112401.d
Spectrum: Avg. Scans 88-90 (5.55), Background Scan 82
Location of Maximum: 95.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6948	85.00	224	135.00	1114	186.00	92
37.00	40664	86.00	844	137.00	1070	188.00	323
38.00	35128	87.00	42872	138.00	388	191.00	514
39.00	13111	88.00	41488	139.00	539	193.00	503
40.00	236	90.00	251	140.00	652	194.00	95
43.00	561	91.00	2409	141.00	8297	197.00	336
44.00	3055	92.00	26864	142.00	1153	198.00	181
45.00	6792	93.00	41520	143.00	8402	204.00	170
46.00	434	94.00	112488	144.00	579	206.00	169
47.00	11222	95.00	1005568	145.00	909	207.00	2186
48.00	4530	96.00	65144	146.00	1280	208.00	117
49.00	34376	97.00	2187	147.00	1140	209.00	301
50.00	171584	99.00	192	148.00	2080	210.00	612
51.00	53496	101.00	84	149.00	891	212.00	50
52.00	2061	102.00	398	150.00	1306	217.00	414
55.00	1905	103.00	155	151.00	48	218.00	374
56.00	12100	104.00	2871	152.00	586	220.00	177
57.00	21256	105.00	449	153.00	732	225.00	90
58.00	818	106.00	3170	154.00	736	232.00	783
60.00	8793	107.00	422	155.00	2213	233.00	151
61.00	41192	110.00	262	156.00	549	235.00	258
62.00	42320	111.00	422	157.00	1425	236.00	116
63.00	31040	112.00	457	158.00	337	239.00	10
64.00	2966	113.00	581	159.00	866	244.00	145
65.00	417	115.00	1105	161.00	856	245.00	87
67.00	2006	116.00	2633	165.00	112	251.00	79
68.00	96040	117.00	4819	166.00	208	256.00	78
69.00	97376	118.00	2346	167.00	103	257.00	139
70.00	7068	119.00	4598	168.00	326	258.00	139
71.00	157	120.00	470	169.00	291	261.00	687
72.00	4444	121.00	526	170.00	341	263.00	101
73.00	40400	122.00	402	171.00	359	265.00	145
74.00	164032	123.00	244	172.00	475	266.00	93
75.00	491456	124.00	947	173.00	6614	267.00	493
76.00	42312	125.00	427	174.00	813952	268.00	50

Date : 24-NOV-2007 17:14

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: dm

Column phase: Column diameter: 2.00

Data File: 1112401.d
Spectrum: Avg. Scans 88-90 (5.55), Background Scan 82
Location of Maximum: 95.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	4962	126.00	214	175.00	59112	269.00	1931
78.00	3149	127.00	1228	176.00	787904	270.00	203
79.00	16616	128.00	2738	177.00	52832	272.00	197
80.00	5060	129.00	1349	178.00	1168	280.00	109
81.00	18952	130.00	2853	180.00	122		
82.00	4146	131.00	1481	181.00	33		
83.00	350	132.00	74	182.00	51		
84.00	47	133.00	908	183.00	157		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-25nov.b/1112501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 25-NOV-2007 09:14
Operator : xp Inst ID: msd1.i
Smp Info : 2.0ul #1476-58;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-25nov.b/bfb60.m
Meth Date : 25-Nov-2007 09:03 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.608	5.564	0.044	95	989170			100.00- 100.00	100.00
5.608	5.564	0.044	50	160449			15.00- 40.00	16.22
5.608	5.564	0.044	75	474840			30.00- 60.00	48.00
5.608	5.564	0.044	96	67762			5.00- 9.00	6.85
5.608	5.564	0.044	173	6779			0.00- 2.00	0.83
5.608	5.564	0.044	174	816533			50.00- 100.00	82.55
5.608	5.564	0.044	175	59842			5.00- 9.00	7.33
5.608	5.564	0.044	176	780864			95.00- 101.00	95.63
5.608	5.564	0.044	177	48749			5.00- 9.00	6.24

Data File: /var/chem/msd1.i/1-25nov.b/1112501.d

Page 1

Date : 25-NOV-2007 09:14

Client ID: BFB

Instrument: msd1.i

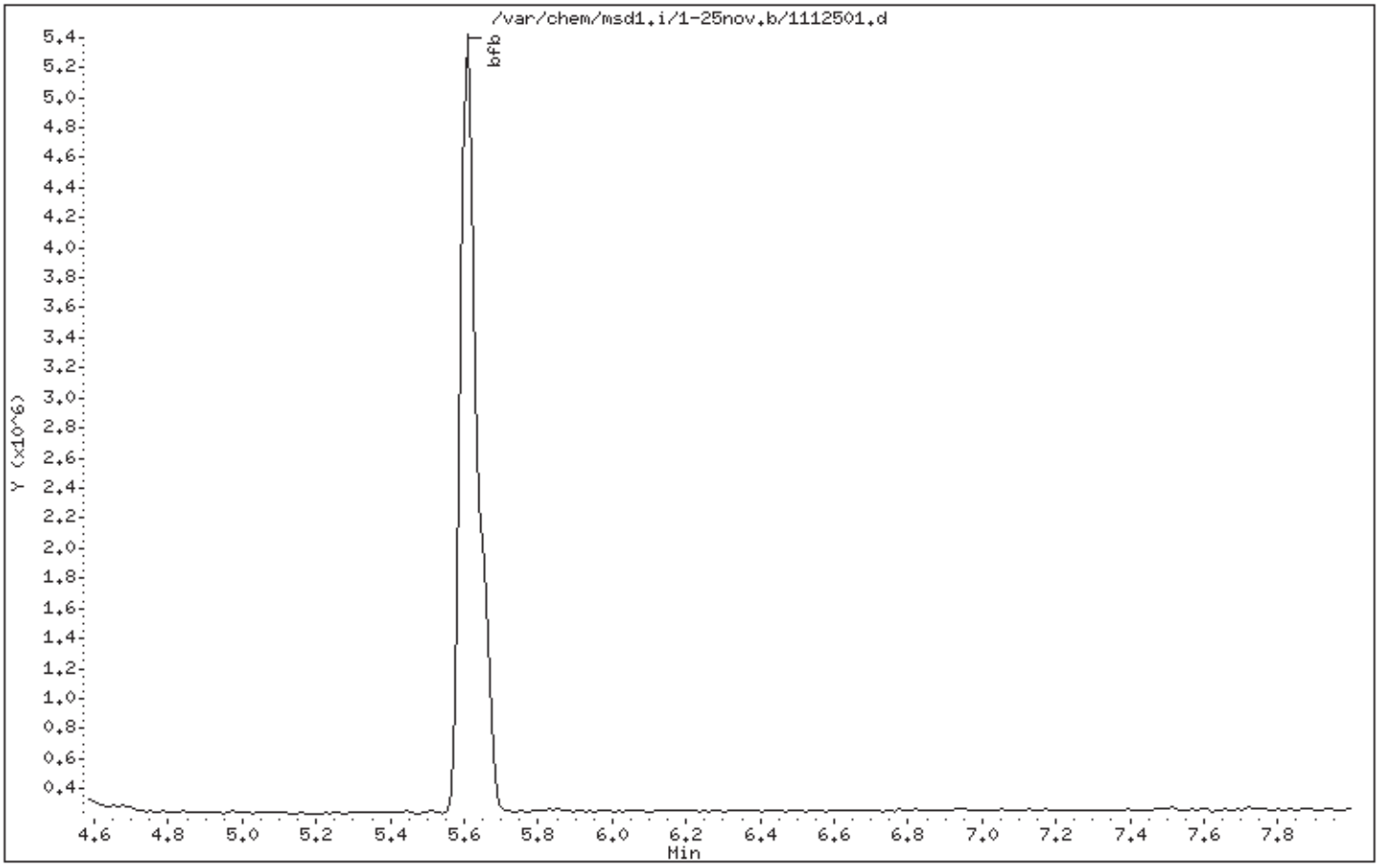
Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd1.i/1-25nov.b/1112501.d

Date : 25-NOV-2007 09:14

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

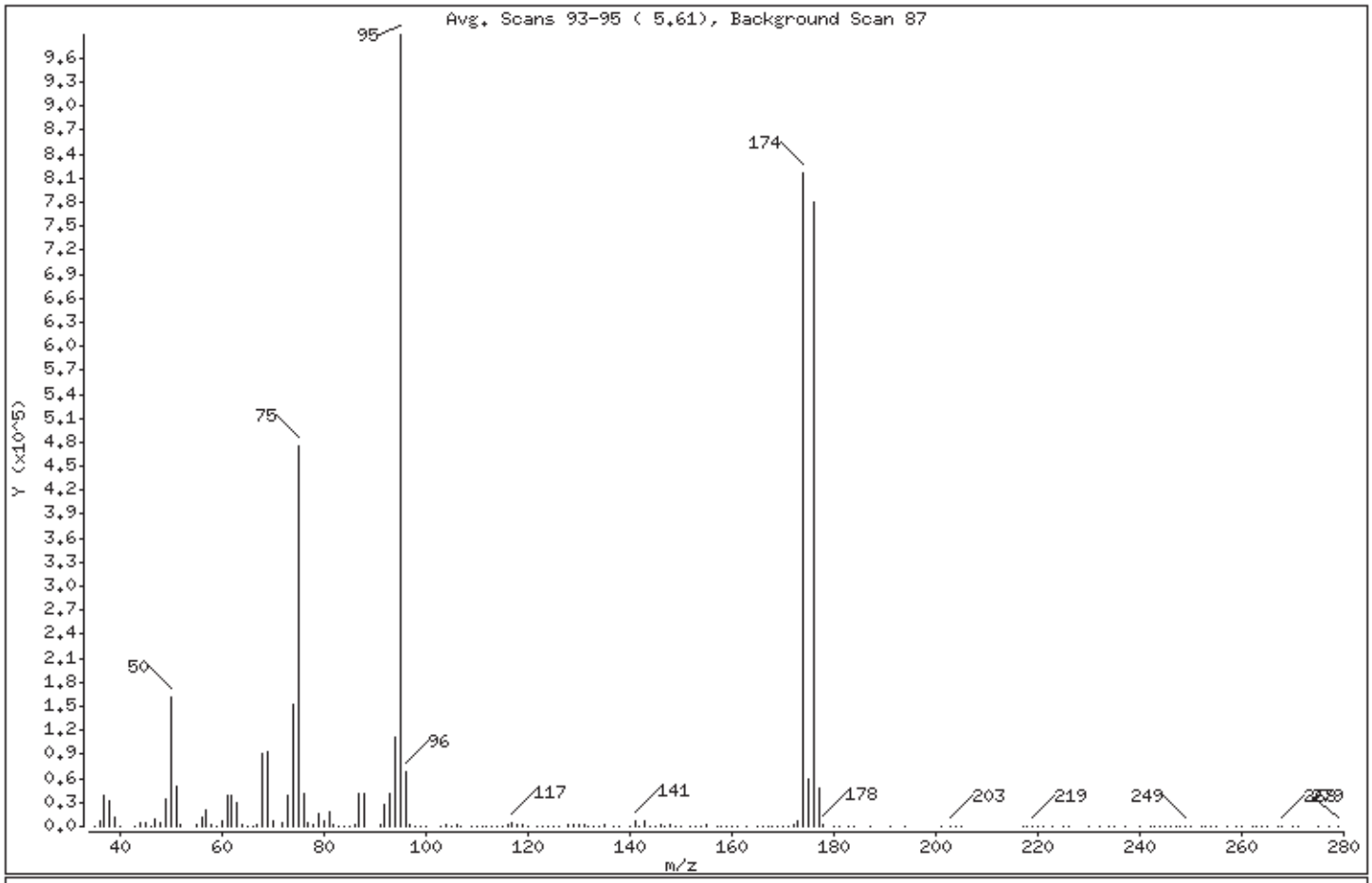
Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.22
75	30.00 - 60.00% of mass 95	48.00
96	5.00 - 9.00% of mass 95	6.85
173	Less than 2.00% of mass 174	0.69 (0.83)
174	50.00 - 100.00% of mass 95	82.55
175	5.00 - 9.00% of mass 174	6.05 (7.33)
176	95.00 - 101.00% of mass 174	78.94 (95.63)
177	5.00 - 9.00% of mass 176	4.93 (6.24)

Data File: /var/chem/msd1.i/1-25nov.b/1112501.d

Date : 25-NOV-2007 09:14

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: xp

Column phase:

Column diameter: 2.00

Data File: 1112501.d
Spectrum: Avg. Scans 93-95 (5.61), Background Scan 87
Location of Maximum: 95.00
Number of points: 178

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	74	85.00	85	138.00	327	204.00	244
36.00	6407	86.00	1211	140.00	1093	205.00	32
37.00	38272	87.00	40464	141.00	7163	217.00	55
38.00	32248	88.00	40000	142.00	870	218.00	324
39.00	12081	91.00	2684	143.00	7122	219.00	552
40.00	942	92.00	27464	144.00	372	220.00	223
43.00	215	93.00	41912	145.00	496	221.00	181
44.00	3758	94.00	111472	146.00	1462	223.00	84
45.00	5618	95.00	989120	147.00	25	225.00	198
46.00	696	96.00	67760	148.00	2271	226.00	177
47.00	10087	97.00	1445	149.00	993	230.00	64
48.00	4580	98.00	67	150.00	969	232.00	517
49.00	33032	99.00	16	152.00	649	234.00	136
50.00	160448	100.00	50	153.00	767	235.00	127
51.00	49280	103.00	805	154.00	359	237.00	35
52.00	2377	104.00	2802	155.00	2251	240.00	84
55.00	2026	105.00	947	157.00	1027	242.00	75
56.00	10716	106.00	2476	158.00	102	243.00	53
57.00	20992	107.00	1012	159.00	1003	244.00	150
58.00	1314	109.00	464	160.00	64	245.00	92
59.00	237	110.00	296	161.00	928	246.00	57
60.00	6859	111.00	181	163.00	780	247.00	77
61.00	39016	112.00	431	165.00	162	248.00	260
62.00	38400	113.00	361	166.00	146	249.00	632
63.00	28568	114.00	123	167.00	55	250.00	553
64.00	3296	115.00	947	168.00	76	252.00	172
65.00	222	116.00	2337	169.00	408	253.00	308
66.00	355	117.00	4746	170.00	573	254.00	527
67.00	1882	118.00	2389	171.00	936	255.00	107
68.00	91080	119.00	3042	172.00	1327	257.00	57
69.00	94240	120.00	8	173.00	6779	259.00	225
70.00	6617	122.00	356	174.00	816512	260.00	161
72.00	4868	123.00	184	175.00	59840	262.00	144
73.00	39136	124.00	686	176.00	780864	263.00	102
74.00	153472	125.00	835	177.00	48744	264.00	62

Date : 25-NOV-2007 09:14

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1476-58;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: xp

Column phase: Column diameter: 2.00

Data File: 1112501.d
Spectrum: Avg. Scans 93-95 (5.61), Background Scan 87
Location of Maximum: 95.00
Number of points: 178

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	474816	126.00	74	178.00	1522	265.00	264
76.00	39848	128.00	1888	180.00	215	267.00	106
77.00	5321	129.00	1219	181.00	29	268.00	294
78.00	3009	130.00	2719	183.00	127	270.00	98
79.00	16424	131.00	1248	184.00	112	271.00	138
80.00	6116	132.00	173	187.00	190	275.00	63
81.00	17072	133.00	408	191.00	1049	277.00	202
82.00	3402	134.00	450	194.00	390	279.00	75
83.00	457	135.00	1549	201.00	222		
84.00	229	137.00	851	203.00	252		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-12dec.b/1121201.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 12-DEC-2007 08:26
Operator : sjr Inst ID: msd1.i
Smp Info : 2.0ul #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-12dec.b/bfb60.m
Meth Date : 12-Dec-2007 08:15 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
5.575	5.564	0.011	95	834112			100.00- 100.00	100.00
5.575	5.564	0.011	50	143884			15.00- 40.00	17.25
5.575	5.564	0.011	75	416855			30.00- 60.00	49.98
5.575	5.564	0.011	96	54362			5.00- 9.00	6.52
5.575	5.564	0.011	173	5500			0.00- 2.00	0.81
5.575	5.564	0.011	174	676288			50.00- 100.00	81.08
5.575	5.564	0.011	175	49623			5.00- 9.00	7.34
5.575	5.564	0.011	176	655506			95.00- 101.00	96.93
5.575	5.564	0.011	177	43794			5.00- 9.00	6.68

Data File: /var/chem/msd1.i/1-12dec.b/1121201.d

Page 1

Date : 12-DEC-2007 08:26

Client ID: BFB

Instrument: msd1.i

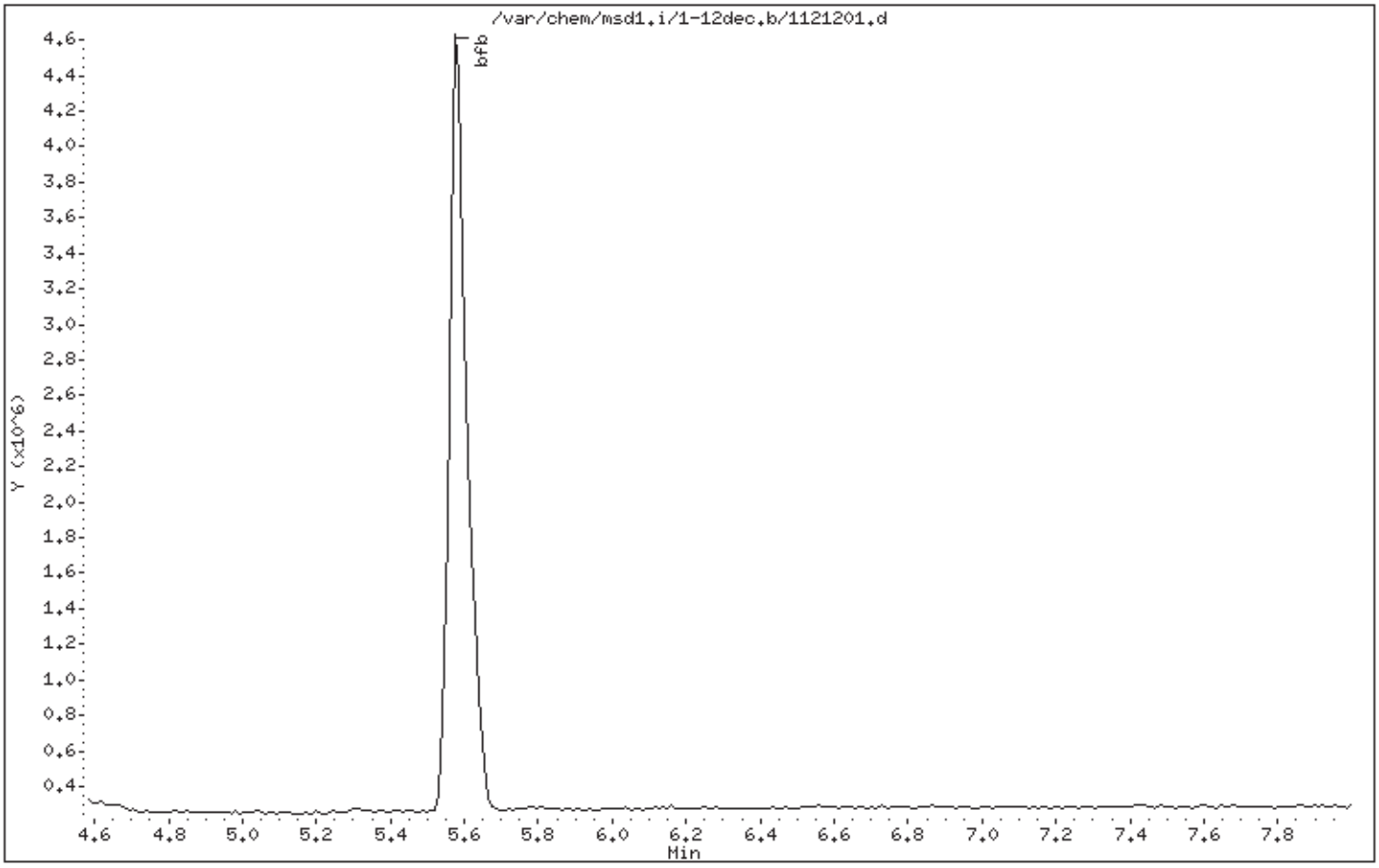
Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd1.i/1-12dec.b/1121201.d

Date : 12-DEC-2007 08:26

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

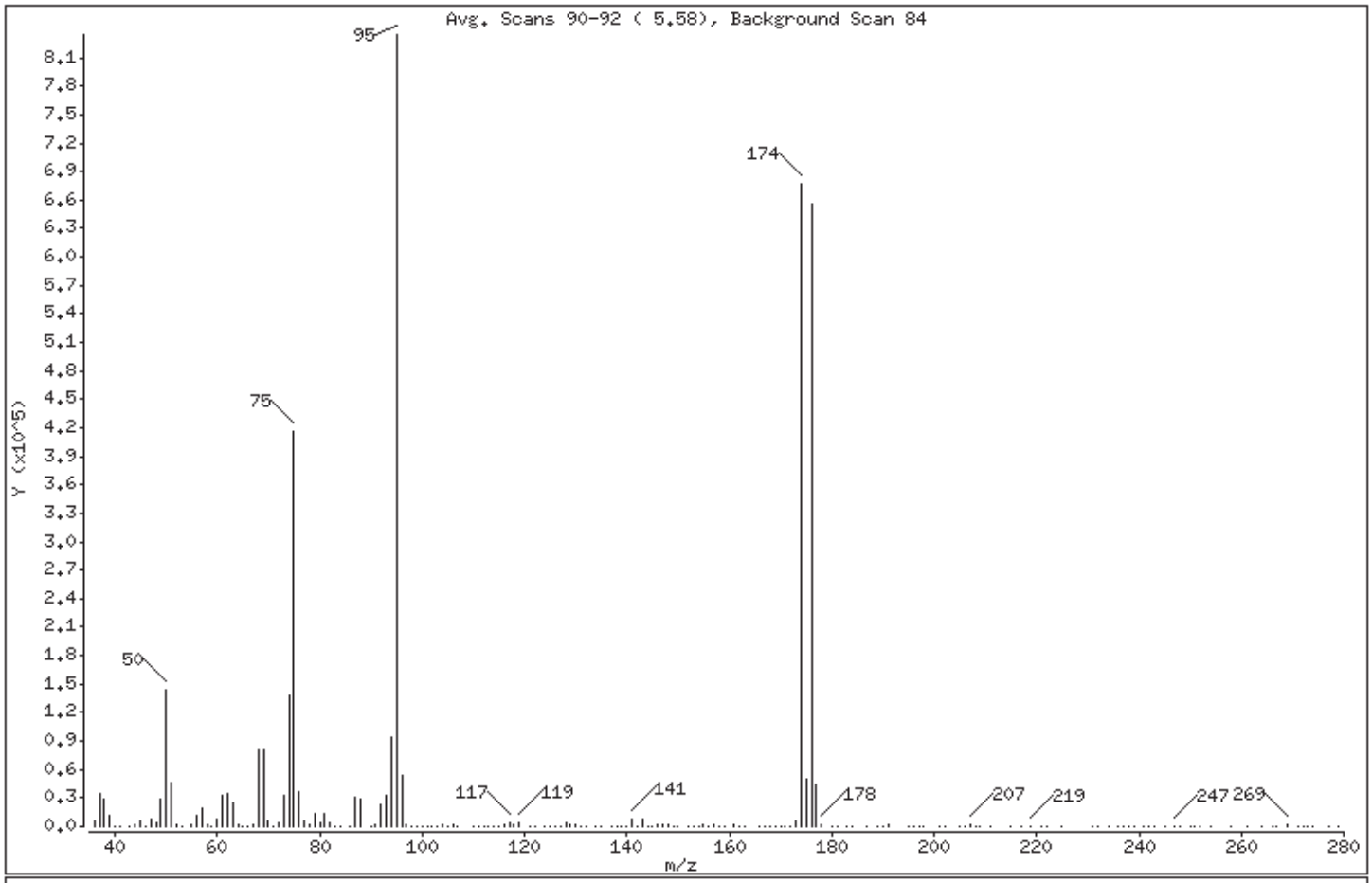
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.25
75	30.00 - 60.00% of mass 95	49.98
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.66 (0.81)
174	50.00 - 100.00% of mass 95	81.08
175	5.00 - 9.00% of mass 174	5.95 (7.34)
176	95.00 - 101.00% of mass 174	78.59 (96.93)
177	5.00 - 9.00% of mass 176	5.25 (6.68)

Data File: /var/chem/msd1.i/1-12dec.b/1121201.d

Date : 12-DEC-2007 08:26

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: 1121201.d
Spectrum: Avg. Scans 90-92 (5.58), Background Scan 84
Location of Maximum: 95.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5775	86.00	706	140.00	210	201.00	125
37.00	34704	87.00	30360	141.00	6874	202.00	264
38.00	29120	88.00	28432	142.00	594	205.00	476
39.00	10797	90.00	184	143.00	6812	206.00	62
40.00	482	91.00	2579	144.00	788	207.00	1730
41.00	346	92.00	22616	145.00	382	208.00	521
43.00	144	93.00	33224	146.00	1723	209.00	758
44.00	2434	94.00	94272	147.00	1055	211.00	71
45.00	4864	95.00	834112	148.00	1752	215.00	179
46.00	256	96.00	54360	149.00	53	217.00	481
47.00	7580	97.00	2033	150.00	881	219.00	551
48.00	4677	98.00	219	152.00	513	221.00	141
49.00	28864	99.00	185	153.00	857	222.00	257
50.00	143872	100.00	72	154.00	306	225.00	138
51.00	45112	101.00	102	155.00	2111	231.00	165
52.00	1431	102.00	401	156.00	198	232.00	507
53.00	48	103.00	147	157.00	1114	234.00	4
55.00	1987	104.00	2542	158.00	46	236.00	68
56.00	10721	105.00	613	159.00	799	237.00	158
57.00	18920	106.00	2530	161.00	1089	238.00	224
58.00	1087	107.00	704	162.00	185	239.00	155
59.00	178	110.00	244	163.00	489	241.00	114
60.00	7453	111.00	757	166.00	101	242.00	79
61.00	33360	112.00	104	167.00	129	243.00	58
62.00	34216	113.00	504	168.00	143	245.00	52
63.00	25000	114.00	73	169.00	490	247.00	234
64.00	2117	115.00	785	170.00	316	248.00	88
65.00	284	116.00	2500	171.00	420	250.00	139
66.00	51	117.00	3353	172.00	903	251.00	46
67.00	1827	118.00	1694	173.00	5500	252.00	60
68.00	81312	119.00	3341	174.00	676288	254.00	117
69.00	81392	121.00	74	175.00	49616	258.00	67
70.00	5705	122.00	18	176.00	655488	261.00	83
71.00	361	124.00	537	177.00	43792	264.00	51
72.00	4107	125.00	126	178.00	1398	266.00	270

Date : 12-DEC-2007 08:26

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: 1121201.d
Spectrum: Avg. Scans 90-92 (5.58), Background Scan 84
Location of Maximum: 95.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	33000	126.00	177	180.00	139	267.00	395
74.00	137856	127.00	878	181.00	24	269.00	1116
75.00	416832	128.00	2904	183.00	55	271.00	465
76.00	35720	129.00	1600	184.00	51	272.00	254
77.00	4854	130.00	2233	187.00	168	273.00	117
78.00	2868	131.00	792	189.00	3	274.00	92
79.00	13061	132.00	173	190.00	22	277.00	92
80.00	4469	134.00	163	191.00	1260	279.00	140
81.00	13825	135.00	840	195.00	493		
82.00	2901	137.00	761	196.00	8		
83.00	17	138.00	199	197.00	153		
84.00	81	139.00	7	198.00	51		

Air Toxics Ltd.

Data file : /var/chem/msd1.i/1-31dec.b/1123102.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 31-DEC-2007 07:51
Operator : lo Inst ID: msd1.i
Smp Info : 2.0ul #1467-64;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /var/chem/msd1.i/1-31dec.b/bfb60.m
Meth Date : 31-Dec-2007 07:24 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
5.586	5.564	0.022	95	777111			100.00- 100.00	100.00
5.586	5.564	0.022	50	127943			15.00- 40.00	16.46
5.586	5.564	0.022	75	368942			30.00- 60.00	47.48
5.586	5.564	0.022	96	49941			5.00- 9.00	6.43
5.586	5.564	0.022	173	4931			0.00- 2.00	0.73
5.586	5.564	0.022	174	671447			50.00- 100.00	86.40
5.586	5.564	0.022	175	49278			5.00- 9.00	7.34
5.586	5.564	0.022	176	645794			95.00- 101.00	96.18
5.586	5.564	0.022	177	41186			5.00- 9.00	6.38

Data File: /var/chem/msd1.i/1-31dec.b/1123102.d

Date : 31-DEC-2007 07:51

Client ID: BFB

Instrument: msd1.i

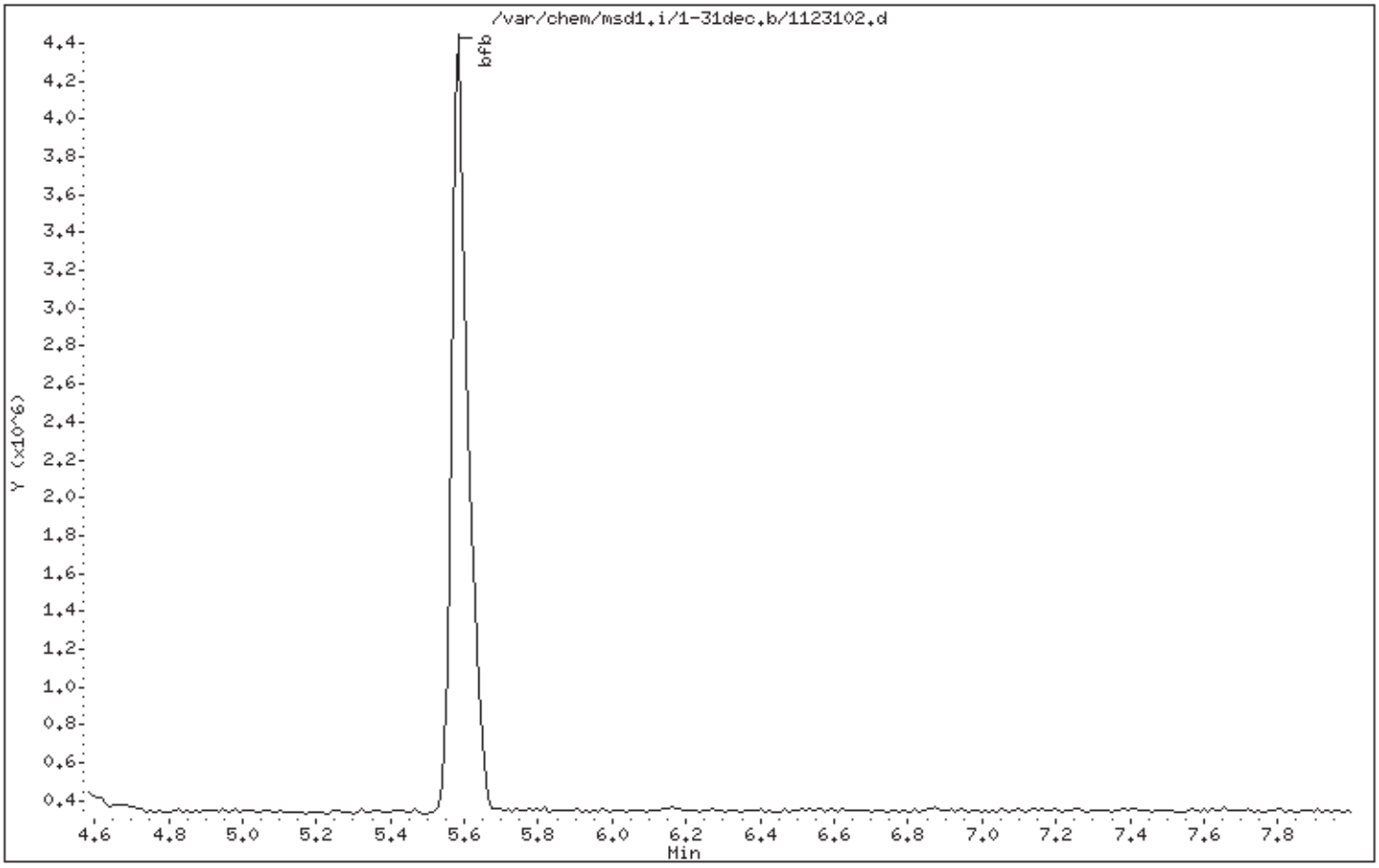
Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00



Data File: /var/chem/msd1.i/1-31dec.b/1123102.d

Date : 31-DEC-2007 07:51

Client ID: BFB

Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

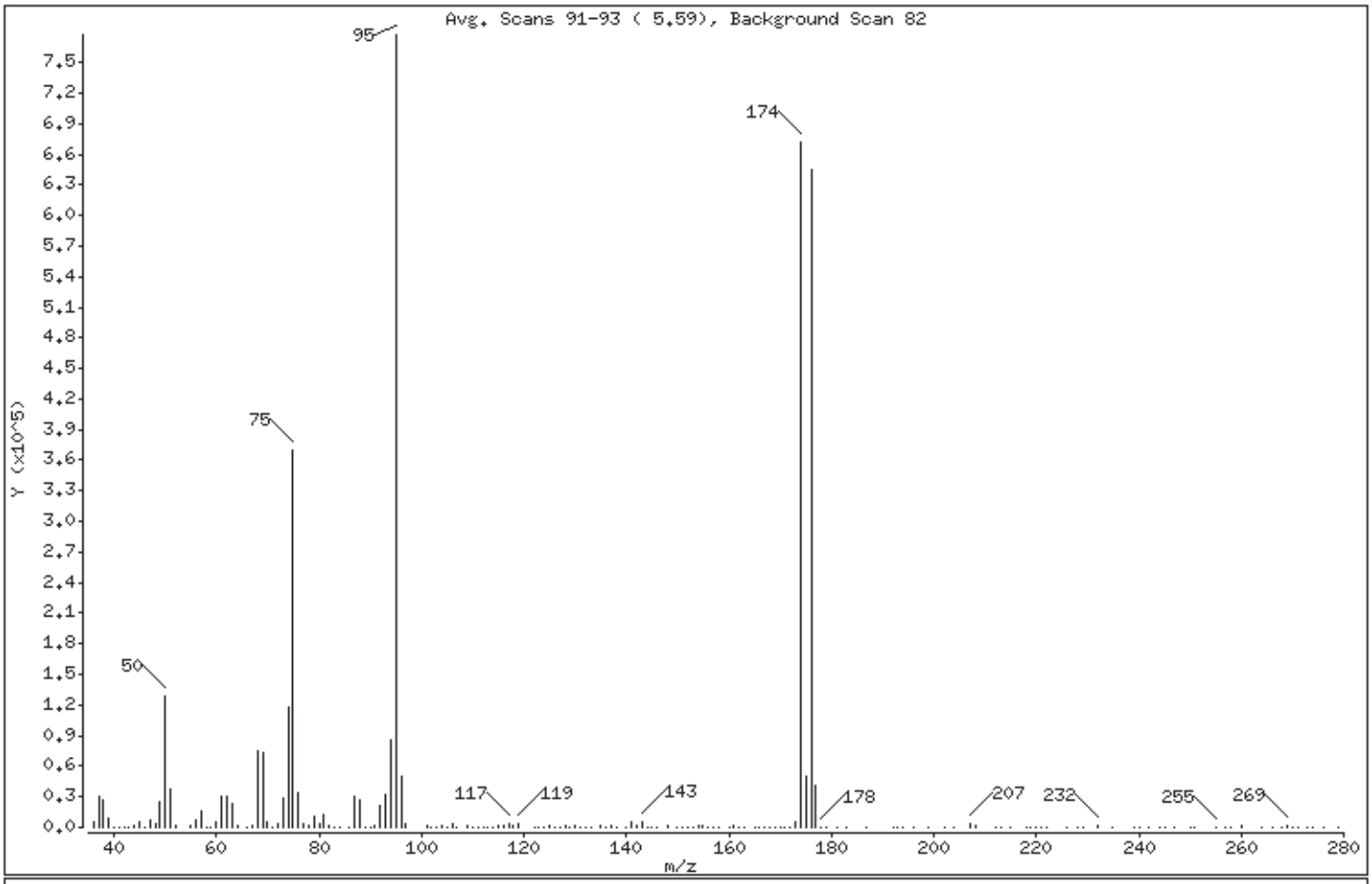
Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.46
75	30.00 - 60.00% of mass 95	47.48
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.63 (0.73)
174	50.00 - 100.00% of mass 95	86.40
175	5.00 - 9.00% of mass 174	6.34 (7.34)
176	95.00 - 101.00% of mass 174	83.10 (96.18)
177	5.00 - 9.00% of mass 176	5.30 (6.38)

Date : 31-DEC-2007 07:51

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: 1123102.d
Spectrum: Avg. Scans 91-93 (5.59), Background Scan 82
Location of Maximum: 95.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5395	83.00	394	135.00	1735	193.00	2
37.00	29904	84.00	23	136.00	318	194.00	191
38.00	27168	86.00	354	137.00	1045	196.00	84
39.00	9592	87.00	29640	138.00	310	199.00	119
40.00	577	88.00	26608	140.00	885	202.00	83
41.00	207	89.00	531	141.00	5323	204.00	48
42.00	142	90.00	93	142.00	1090	207.00	4066
43.00	322	91.00	2354	143.00	5897	208.00	1030
44.00	2493	92.00	21792	144.00	510	212.00	62
45.00	4843	93.00	31688	145.00	313	213.00	78
46.00	509	94.00	85792	146.00	455	215.00	134
47.00	7516	95.00	777088	148.00	1946	218.00	194
48.00	3784	96.00	49936	150.00	705	219.00	146
49.00	25040	97.00	2947	151.00	75	220.00	41
50.00	127936	101.00	935	152.00	639	221.00	155
51.00	38352	102.00	272	153.00	550	222.00	500
52.00	1559	103.00	519	154.00	1004	226.00	88
55.00	1146	104.00	1633	155.00	1499	228.00	123
56.00	7922	105.00	304	156.00	273	229.00	65
57.00	16624	106.00	2870	157.00	884	232.00	1241
58.00	789	107.00	737	158.00	471	235.00	159
59.00	436	109.00	1176	160.00	112	239.00	39
60.00	6134	110.00	108	161.00	998	240.00	53
61.00	31072	111.00	165	162.00	78	242.00	134
62.00	30480	112.00	462	163.00	320	244.00	128
63.00	22760	113.00	405	165.00	399	245.00	111
64.00	1529	114.00	61	166.00	240	247.00	113
66.00	283	115.00	1383	167.00	9	250.00	123
67.00	1750	116.00	1860	168.00	10	251.00	407
68.00	74672	117.00	3641	169.00	199	255.00	483
69.00	72736	118.00	1169	170.00	339	257.00	50
70.00	5198	119.00	2914	171.00	669	258.00	53
71.00	216	122.00	107	172.00	773	260.00	1154
72.00	3920	123.00	149	173.00	4931	264.00	281
73.00	28136	124.00	451	174.00	671424	266.00	269

Date : 31-DEC-2007 07:51

Client ID: BFB Instrument: msd1.i

Sample Info: 2.0ul #1467-64;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: 1123102.d
Spectrum: Avg. Scans 91-93 (5.59), Background Scan 82
Location of Maximum: 95.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	117224	125.00	904	175.00	49272	268.00	194
75.00	368896	126.00	215	176.00	645760	269.00	1232
76.00	33368	127.00	787	177.00	41184	270.00	511
77.00	4086	128.00	2130	178.00	661	271.00	343
78.00	2526	129.00	585	179.00	548	273.00	204
79.00	11471	130.00	2363	181.00	90	274.00	153
80.00	4246	131.00	547	183.00	145	276.00	85
81.00	12632	132.00	230	187.00	145	279.00	126
82.00	2662	133.00	159	192.00	377		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: Tetra Tech
ATTENTION: Ms. Jessica Vickers
FAX #:
FROM: Sample Receiving
Workorder #: 0712517
# of pages (Including Cover): 1

1/16/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

The credit application package for these samples has not yet been received. Please complete and return the forms so that the account may be activated and the data released.

Your prompt response is appreciated.

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

0247

Project Manager Jessica Vickers
Collected by: (Print and Sign) Brian Craft
Company Tetra Tech Email jessica.vickers@tetratech.com
Address 1955 Evergreen Blvd Ste 300 City Duluth State GA Zip 30097
Phone (678) 775-3104 Fax (678) 775-3138

Project Info:
P.O. #
Project #
Project Name Tetra Tech - Circle Environmental #1

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psig)
01A	A-01 (interior - west end)	22498	12-19-07	0752-1605	VOCs	(30)	(6)		
02A	A-02 (interior - east end)	33920	12-19-07	0751-1615	VOCs	(30)	(9)		
03A	A-03 (exterior)	33546	12-19-07	0801-1622	VOCs	(30)	(13)		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Brian Craft	12-20-07 1600	FED EX	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
		[signature]	12/22/07 1135
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		RM	good	Yes No None	0712517

Form 1998 rev 11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0712517

Client

Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

Sales Rep: ANS

Phone

678-775-3080

Fax

Date Promised: 01/10/08
Date Completed: 1/9/08
Date Received: 12/22/07
PO#:
Project#: Tetra Tech-Circle Environmental #1

Total $: $ 872.12
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	A-01 (interior-west end)	Modified TO-15	12/19/2007	6.0 "Hg	$180.00
01AA	A-01 (interior-west end) Lab Duplicate	Modified TO-15	12/19/2007	6.0 "Hg	$0.00
02A	A-02 (interior-east end)	Modified TO-15	12/19/2007	6.5 "Hg	$180.00
03A	A-03 (exterior)	Modified TO-15	12/19/2007	12.0 "Hg	$180.00
04A	Lab Blank	Modified TO-15	NA	NA	$0.00
05A	CCV	Modified TO-15	NA	NA	$0.00
06A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (3) @ $40.00 each., Shipment 56398	$120.00
	Blue Body Flow Controller (3) @ $25.00 each., Shipment 56398	$75.00
	Fuel Surcharge (3) @ $2.00 each.	$6.00
	eCVP (3) @ $10.00 each.	$30.00
	Shipping Charges (Fed-Ex Overnight on 12/14/07)	$101.12

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Circle Environmental #1/11182

BILL TO: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15

Sample Discrepancy Report

Identification

Initiated By: MG **Date:** 12/27/07 **Discrepancy Type:** (circle all that apply) (I.) II. III.

Workorder(s) affected: 0712517 **Sample(s) affected:** 01A-03A

I. Sample Receipt Discrepancies

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

Narration Not Required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure.
- ☐ No brass cap on canister.
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm.
- ☐ Sample date error/missing on COC but noted on sample tag (circle one).

Narration Required:

- ☐ COC improperly relinquished / received.
- ☐ Sample tags / can numbers do not match the COC.
- ☐ Samples received at wrong temperature (up to 10°C); ice / blue ice (circle one) was present. A temp. blank was / was not present (circle one).
- ☐ Custody Seal on the outside of the container was broken / improperly placed (circle one).
- ☐ Other (describe below).

☒ other

Describe the Discrepancy: - Location not noted on ID tags - won't narrate.

II. Sample Receipt/Screening Discrepancies requiring CSR notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out CSR must be notified within 24 hrs of initiation

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☐ Number of samples on the COC does not match the number of samples that were received.
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

Initials: _____ (if not the original initiator) **Date:** _____ ☐ **CSR Notified** (see section below)

Describe the Discrepancy: _____

Other Records

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Vacuum}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} - [(\text{Initial Pressure ("Hg)}) (14.7 \text{ psi} / 30 \text{ "Hg})]}$$

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Vacuum ("Hg)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.5	1.36	1.71	2.05
1.0	1.39	1.74	2.09
1.5	1.41	1.77	2.13
2.0	1.44	1.80	2.16
2.5	1.46	1.83	2.20
3.0	1.49	1.87	2.24
3.5	1.52	1.90	2.29
4.0	1.55	1.94	2.33
4.5	1.58	1.98	2.38
5.0	1.61	2.02	2.42
5.5	1.64	2.06	2.47
6.0	1.68	2.10	2.53
6.5	1.71	2.15	2.58
7.0	1.75	2.19	2.64
7.5	1.79	2.24	2.69
8.0	1.83	2.29	2.76
8.5	1.87	2.34	2.82
9.0	1.91	2.40	2.89
9.5	1.96	2.46	2.96
10.0	2.01	2.52	3.03
10.5	2.06	2.59	3.11
11.0	2.12	2.65	3.19
11.5	2.17	2.72	3.28
12.0	2.23	2.80	3.37
12.5	2.30	2.88	3.46
13.0	2.36	2.97	3.57
13.5	2.44	3.06	3.67
14.0	2.51	3.15	3.79
14.5	2.59	3.25	3.91
15.0	2.68	3.36	4.04
15.5	2.77	3.48	4.18
16.0	2.87	3.60	4.33
16.5	2.98	3.73	4.49
17.0	3.09	3.88	4.66
17.5	3.22	4.03	4.85
18.0	3.35	4.20	5.05
18.5	3.50	4.38	5.27
19.0	3.65	4.58	5.51
19.5	3.83	4.80	5.77
20.0	4.02	5.04	6.06
20.5	4.23	5.31	6.38
21.0	4.47	5.60	6.73
21.5	4.73	5.93	7.13
22.0	5.03	6.30	7.58
22.5	5.36	6.72	8.08
23.0	5.74	7.20	8.66
23.5	6.19	7.76	9.32
24.0	6.70	8.40	10.10
24.5	7.31	9.17	11.02
25.0	8.04	10.08	12.12
25.5	8.93	11.20	13.47
26.0	10.05	12.60	15.15
26.5	11.49	14.40	17.32
27.0	13.40	16.80	20.20
27.5	16.08	20.16	24.24
28.0	20.10	25.20	30.31
28.5	26.80	33.61	40.41
29.0	40.20	50.41	60.61

Initial Pressure (psi)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{\text{14.7 psi + Final Pressure (psi)}}{\text{14.7 psi + Initial Pressure (psi)}}$$

Initial Pressure (psi)	**5 psi** Final Press. Dil. Factor	**10 psi** Final Press. Dil. Factor	**15 psi** Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59
4.2	1.04	1.31	1.57
4.4	1.03	1.29	1.55
4.6	1.02	1.28	1.54
4.8	1.01	1.27	1.52
5.0	1.00	1.25	1.51
5.2	NA	1.24	1.49
5.4	NA	1.23	1.48
5.6	NA	1.22	1.46
5.8	NA	1.20	1.45
6.0	NA	1.19	1.43
6.2	NA	1.18	1.42
6.4	NA	1.17	1.41
6.6	NA	1.16	1.39
6.8	NA	1.15	1.38
7.0	NA	1.14	1.37
7.2	NA	1.13	1.36
7.4	NA	1.12	1.34
7.6	NA	1.11	1.33
7.8	NA	1.10	1.32
8.0	NA	1.09	1.31
8.2	NA	1.08	1.30
8.4	NA	1.07	1.29
8.6	NA	1.06	1.27
8.8	NA	1.05	1.26
9.0	NA	1.04	1.25
9.2	NA	1.03	1.24
9.4	NA	1.02	1.23
9.6	NA	1.02	1.22
9.8	NA	1.01	1.21
10.0	NA	1.00	1.20
10.2	NA	NA	1.19
10.4	NA	NA	1.18
10.6	NA	NA	1.17
10.8	NA	NA	1.16
11.0	NA	NA	1.16
11.2	NA	NA	1.15
11.4	NA	NA	1.14
11.6	NA	NA	1.13
11.8	NA	NA	1.12
12.0	NA	NA	1.11
12.2	NA	NA	1.10
12.4	NA	NA	1.10
12.6	NA	NA	1.09
12.8	NA	NA	1.08
13.0	NA	NA	1.07
13.2	NA	NA	1.06
13.4	NA	NA	1.06
13.6	NA	NA	1.05
13.8	NA	NA	1.04
14.0	NA	NA	1.03
14.2	NA	NA	1.03
14.4	NA	NA	1.02
14.6	NA	NA	1.01
14.8	NA	NA	1.01

Compound Listing

Modified TO-15

CAS Number	Compound	Detection Limit ppbv	Type
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
56-23-5	Carbon Tetrachloride	0.50	
540-84-1	2,2,4-Trimethylpentane	0.50	
71-43-2	Benzene	0.50	
107-06-2	1,2-Dichloroethane	0.50	
142-82-5	Heptane	0.50	
79-01-6	Trichloroethene	0.50	
78-87-5	1,2-Dichloropropane	0.50	
123-91-1	1,4-Dioxane	2.0	
75-27-4	Bromodichloromethane	0.50	
10061-01-5	cis-1,3-Dichloropropene	0.50	
108-10-1	4-Methyl-2-pentanone	0.50	
108-88-3	Toluene	0.50	
10061-02-6	trans-1,3-Dichloropropene	0.50	
79-00-5	1,1,2-Trichloroethane	0.50	
127-18-4	Tetrachloroethene	0.50	
591-78-6	2-Hexanone	2.0	
124-48-1	Dibromochloromethane	0.50	
106-93-4	1,2-Dibromoethane (EDB)	0.50	
108-90-7	Chlorobenzene	0.50	
100-41-4	Ethyl Benzene	0.50	
108-38-3	m,p-Xylene	0.50	
95-47-6	o-Xylene	0.50	
100-42-5	Styrene	0.50	
75-25-2	Bromoform	0.50	
98-82-8	Cumene	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	
103-65-1	Propylbenzene	0.50	
622-96-8	4-Ethyltoluene	0.50	
108-67-8	1,3,5-Trimethylbenzene	0.50	
95-63-6	1,2,4-Trimethylbenzene	0.50	
541-73-1	1,3-Dichlorobenzene	0.50	
106-46-7	1,4-Dichlorobenzene	0.50	
100-44-7	alpha-Chlorotoluene	0.50	
95-50-1	1,2-Dichlorobenzene	0.50	
120-82-1	1,2,4-Trichlorobenzene	2.0	
87-68-3	Hexachlorobutadiene	2.0	
2037-26-5	Toluene-d8		
17060-07-0	1,2-Dichloroethane-d4		
460-00-4	4-Bromofluorobenzene		
74-87-3	Chloromethane	2.0	
75-01-4	Vinyl Chloride	0.50	
106-99-0	1,3-Butadiene	0.50	
74-83-9	Bromomethane	0.50	
75-00-3	Chloroethane	0.50	

Compound Listing

Modified TO-15

CAS Number	Compound	Detection Limit ppbv	Type
75-69-4	Freon 11	0.50	
64-17-5	Ethanol	2.0	
76-13-1	Freon 113	0.50	
75-35-4	1,1-Dichloroethene	0.50	
67-64-1	Acetone	2.0	
67-63-0	2-Propanol	2.0	
75-15-0	Carbon Disulfide	0.50	
107-05-1	3-Chloropropene	2.0	
75-09-2	Methylene Chloride	0.50	
1634-04-4	Methyl tert-butyl ether	0.50	
156-60-5	trans-1,2-Dichloroethene	0.50	
110-54-3	Hexane	0.50	
75-34-3	1,1-Dichloroethane	0.50	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.50	
156-59-2	cis-1,2-Dichloroethene	0.50	
109-99-9	Tetrahydrofuran	0.50	
67-66-3	Chloroform	0.50	
71-55-6	1,1,1-Trichloroethane	0.50	
110-82-7	Cyclohexane	0.50	

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0712517

A	R	T	M	Q	
☑	☑	☐	☐	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
	☐	☐	☐	☐	The final report has the correct reporting list, special units, and header info.
	☐	☐	☐	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
NA	☐	☐	☐	☐	Corrective Action issued - #_____
NA	☐	☐	☐	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* ***CIRCLE (YES / NO)***

☑	☐	☐	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☑	☐	☐	☐	Hold time is met for all samples
	☐	☐	☐	Appropriate data qualifier flags are applied
	☐	☐	☐	Manual integrations for samples and QC are properly documented
☑	☐		☐	Samples analyzed within the project or method specific clock (24 hr)
	☐			Retention times have been verified
☑	☐		☐	Appropriate ICAL(s) included
	☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data

☑	☑	☐	☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☐	☐		Correct amount of sample analyzed (i.e. sample not over-diluted)
	☐	☐		Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	☐	☐		TICs resemble reference spectra
	☐	☐		TICs between duplicate samples are consistent
NA	☐	☐	☐	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☐		☐	Special units for all samples in the final report are correctly calculated
	☐	☐	☐	Manually entered results checked (i.e. special CCV compounds)
	☐	☐	☐	TPH/NMOC (verify calculations and correct reference compound used)
	☑			Chain of Custody scanned correctly
		☐		Verify sample id's vs. chain of custody
☑	☑			Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☑			Final pressure consistent with canister size (6L vs. 1L)
☑	☐			Verify receipt pressures against logbook and Target
☐	☑			Verify canister ID #'s
	☐	☐		Extra printed copies are provided per client profile
	☑	☐		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
	☐	☐	☐	Client LUMEN report reviewed for accuracy and completeness

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A/R: Bout CCV & LCS

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
1/7/08	R: KJA/AB/ 1-9-08	1/9/08	
	T:_____		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.

Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable