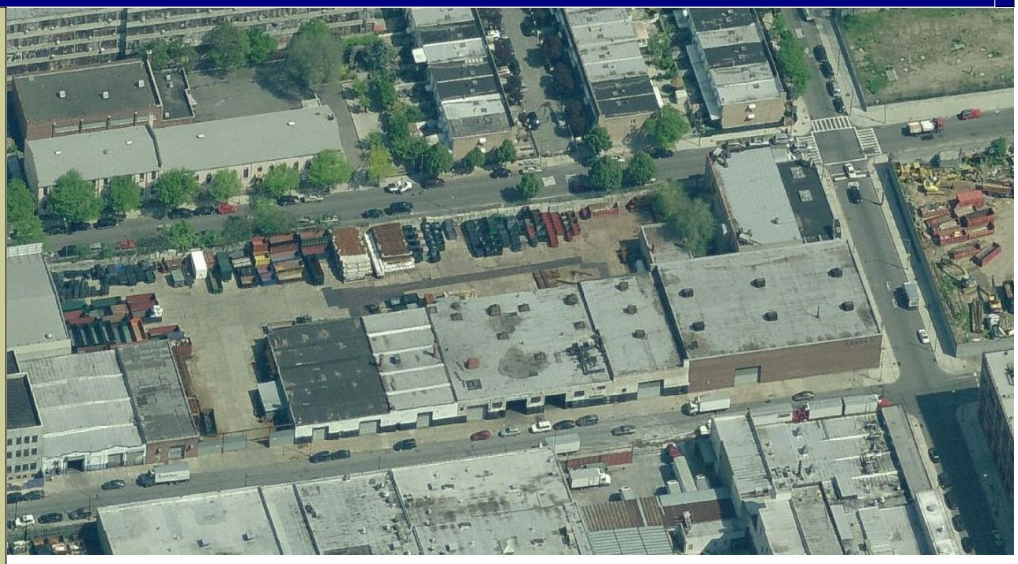
COOPER TANK AND WELDING CORPORATION



215 MOORE STREET
BROOKLYN, NEW YORK
LOT 47 FIELD INVESTIGATION REPORT
NYSDEC Spill Case #1100020
AUGUST 2011

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COOPER TANK AND WELDING CORPORATION

LOT 47 FIELD INVESTIGATION REPORT – AUGUST 2011

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EXECUTIVE SUMMARY

Gannett Fleming Engineers, P.C. (GF), on behalf of Cooper Tank and Welding Corporation (Cooper), has prepared this Field Investigation Report to detail findings from the subsurface site investigation conducted on Block 3100, Lot 47 at 215 Moore Street, Brooklyn New York, and the adjacent sidewalk area on White Street (the Site or the Study Area). The purpose of this investigation was to assess soil and groundwater quality in close proximity to a suspected former UST area at 215 Moore Street identified on historic Sanborn Maps, and the adjacent sidewalk area on the west side of White Street. The New York State Department of Environmental Conservation (NYSDEC) has assigned Spill Case #1100020 to this location. GF completed the investigation in accordance with the May 2011 Investigation Work Plan (Revised June 2011) prepared by GF and approved by NYSDEC.

During this investigation, GF completed the following site-specific objectives that were outlined in the Investigation Work Plan:

1. Determine if there is physical evidence of a current or former UST at 215 Moore Street, as identified on historic Sanborn Maps;
2. Evaluate soil and groundwater quality in close proximity to the former suspected UST area at 215 Moore Street;
3. Evaluate and delineate the extent of the contaminant-impacted soil and groundwater north of the northwestern corner of Moore Street and White Street to determine the extent of petroleum-and chlorinated solvent-related constituents of concern (COCs).

On site activities included:

- A geophysical investigation to determine whether a gasoline UST that was identified on historical Sanborn Maps is present, and identify the location of subsurface utilities and other potential subsurface obstructions or hazards in the study area;

- Advancement of three soil borings inside 215 Moore Street in the exact location and in close proximity to the suspected former UST location, and two soil borings on the sidewalk adjacent to 215 Moore Street on the west side of White Street to depths ranging from 20 feet to 24 feet BGS
- Continuous field screening through the soil column, and collection of two discrete soil samples for laboratory analysis from each soil boring location;
- Conversion of all five borings to groundwater monitoring wells;
- Monitoring well location and elevation survey and collection of groundwater level gauging data from all groundwater monitoring wells; and
- Collection of groundwater samples from all five groundwater monitoring wells for laboratory analysis.

On April 27, 2011 a geophysical survey was conducted to determine whether a gasoline UST identified on historic Sanborn Maps was present at the site.

On July 19, 2011 through July 25, 2011, five soil borings were advanced in the proposed study area. Soil was continuously field screened and lithologically logged from surface grade to terminal depths which ranged from approximately 20 feet to 24 feet BGS.

Two soil samples from each boring were submitted for laboratory analyses, as determined by the sample exhibiting the highest organic vapor concentration reading on a photoionization detector (PID), and the deepest sample exhibiting the lowest PID reading. All soil samples were analyzed for all volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) listed in the NYSDEC CP-51 Soil Cleanup Guidance (CP-51 SCG).

On August 8, 2011, groundwater levels were gauged and groundwater samples collected at all five groundwater monitoring wells. All groundwater samples were analyzed for all VOCs and SVOCs compounds listed in the NYSDEC CP-51 SCG. Groundwater sample results were compared to NYSDEC Class GA Ambient Water Quality Standards.

Findings and Conclusions

- Physical evidence of a current or former UST was not substantiated from the geophysical investigation or the subsurface investigation that was conducted at 215 Moore Street in the location of and in close proximity to the suspected former UST area.
- Chlorinated VOCs (CVOCs) were not detected in any of the soil samples collected during this investigation.
- The highest concentration of total VOCs was detected at the southernmost sidewalk location adjacent to White Street, in soils significantly above the water table (SB-SE-8S (4'-5')), approximately 45-50 feet east of the suspected UST location identified on historic Sanborn Maps. This sample was collected from a higher elevation than soils exhibiting evidence of contamination inside 215 Moore Street. This sample location, which is significantly above the water table, exhibited elevated PID readings, staining, and strong petroleum odors. Seven VOCs exceeded the Unrestricted Use SCOs.
- Inside 215 Moore Street, VOCs exceeding the Unrestricted Use SCOs were detected below the water table at SB-SE-7S (5'-7.5'), SB-SE-7D (20'-21.5'), and SB-SE-9D (18.5'-20'), at a lower elevation than the highest soil sample concentrations that were collected at the southeastern sidewalk location. Eight VOCs exceeded the Unrestricted Use SCOs but were significantly below the Restricted Use Industrial SCOs for which the Site is zoned and currently used.
- VOCs were not detected above Unrestricted Use SCOs in the northernmost sidewalk boring SB-SE-10 or the westernmost boring inside 215 Moore Street.
- Concentrations of six SVOCs, commonly associated with urban fill, slightly exceeded the Unrestricted Use SCOs at locations SB-SE-7S (5'-7.5'), and SB-SE-11S (2.5'-3.5') inside 215 Moore Street, but were significantly below the Restricted Use Industrial SCOs for which the Site is zoned and currently used.
- Only one SVOC, which also is commonly associated with urban fill, slightly exceeds both the Unrestricted and Restricted Industrial SCOs at locations SB-SE-7S (5'-7.5'), and SB-SE-11S (2.5'-3.5') inside 215 Moore Street.

- The groundwater samples collected from MW-SE-8 (south-easternmost sidewalk location), MW-SE-7 (southernmost location at 215 Moore Street), and MW-SE-9 (northernmost at 215 Moore Street), exhibited concentrations of VOCs that exceeded NYSDEC Class GA Ambient Water Quality Standards. Fourteen compounds were reported above NYSDEC Class GA Ambient Water Quality Standards.
- Chlorinated VOCs were not detected in any of the groundwater samples collected during this investigation.
- Predominant on-site groundwater flow direction was confirmed to be towards the north and north-northeast.

Based on data compiled from this investigation that provides multiple lines of evidence, GF concludes from this investigation that the soil and groundwater condition in the southeastern corner of 215 Moore Street and on the western side of White Street is related to an offsite soil and groundwater condition and not from an on-site source, and no further investigation or remedial action for these soils or groundwater is warranted of the owner of 215 Moore Street by NYSDEC. GF is requesting that no further action is required of the owner of 215 Moore Street for conditions associated with Spill # 1100020 and that the Spill case be closed.

1.0 INTRODUCTION

Gannett Fleming Engineers, P.C. (GF), on behalf of Cooper Tank and Welding Corporation (Cooper), has prepared this Field Investigation Report to detail findings from the subsurface site investigation conducted on Block 3100, Lot 47 at 215 Moore Street, Brooklyn New York, and the adjacent sidewalk area on White Street (the Site or the Study Area). The purpose of this investigation was to assess soil and groundwater quality in close proximity to a suspected former UST area at 215 Moore Street and the adjacent sidewalk area on the west side of White Street. NYSDEC has assigned Spill Case #1100020 to this location. GF completed the investigation in accordance with the May 2011 Investigation Work Plan (Revised June 2011) prepared by GF and approved by the New York State Department of Environmental Conservation (NYSDEC).

This report describes the site historical background, on-site investigation activities, analytical results, findings, and conclusions.

2.0 SITE HISTORY AND DESCRIPTION

2.1 Subject Property

The Site is located in a residential/commercial/industrial area at 215 Moore Street in Brooklyn, New York, at approximately latitude 40º 42' 16" North and longitude 73º 56' 09" West (Figure 1). The Site is currently an approximately 2.35-acre property zoned for industrial use, improved with a 44,000-square foot building and associated driveway and parking lot owned and operated by Cooper Tank and Welding Corporation (Cooper), which manufactures solid waste containers.

The Site is bordered to the north by Seigel Avenue, across which are industrial, commercial, and a few residential properties; White Street to the east, across which is an auto storage yard; to the south by Moore Street, across which are industrial and commercial properties; and to the west by industrial and commercial properties.

2.2 Historical Information and Previous Environmental Studies

July 15, 2010 Letter from NYSDEC Case Manager

A letter dated July 15, 2010 from the NYSDEC case manager stated that on January 3, 2000, NYSDEC was notified by the New York City Department of Design and Construction (NYC DDC) that petroleum contaminated soil was discovered during a water main installation at the intersection of Moore and White Streets, and heavy contamination was discovered near 236 Moore Street. A soil and groundwater investigation by Hydro Tech Environmental, Corp. on behalf of the owner of 236 Moore Street was conducted at 236 Moore Street and the adjacent sidewalk areas and, based on the associated groundwater flow data, NYSDEC suggested that the contamination found may be originating from Cooper Tank. NYSDEC required that Cooper perform a Phase I Environmental Site Assessment (ESA), delineate soil and groundwater contamination via the installation of monitoring wells in the area of the reported UST, and

delineate possible soil and groundwater contamination in the southeast corner of the subject property.

Phase I Environmental Site Assessment

Cooper Tank retained GF to perform a Phase I ESA of 215 Moore Street to satisfy Task 1 set forth by the NYSDEC in the above referenced letter. The Phase I ESA concluded that the subject property had an open NYSDEC Spill Number (Spill # 0312904) associated with a former diesel leaking underground storage tank (UST) which impacted soil and groundwater at the Site, and that a spill (Spill # 0751350) was discovered to the southeast of the subject property at the intersection of Moore and White Streets that the NYSDEC suspects may have been caused by a spill originating at the Site.

The area that may have formerly housed a UST as depicted in historical Sanborn maps from 1933-1979, is located inside Lot 47 towards the southeast corner of the building. According to Sanborn maps, the UST was located approximately ten feet north of the southern wall of the building adjacent to the Moore Street sidewalk, and approximately thirty feet west of the eastern building wall adjacent to the White Street sidewalk (Figure 2). Based on these conclusions, GF recommended the installation of soil borings and groundwater monitoring wells at the Site.

Field Investigation Report

GF submitted the revised *February 2011 Field Investigation Report* to the NYSDEC to document and detail the findings of a soil and groundwater investigation that was conducted at the Site from November 8, 2010 through January 19, 2011. The investigation included three soil borings at the northwest corner of the intersection of Moore Street and White Street. One boring (SB-SE-6) was converted to a permanent monitoring well. GF concluded that the specific contaminants of concern (COCs) and their concentration trends detected within the footprint of the Site did not correlate with the specific COCs and COC concentrations that were reported at the southeast corner, or in historical data associated with 236 Moore Street reported by NYSDEC in the spills database. As determined by groundwater level gauging data and a review of regional groundwater maps produced by the USGS, GF concluded that the predominant site-

specific groundwater flow direction is north-northeasterly and that the southeast corner is hydraulically crossgradient to the Site.

GF concluded from the investigation that the soil and groundwater condition in the southeastern corner is unrelated to Cooper, and no further investigation or remedial action for these soils or groundwater should be required by the owner of 215 Moore Street. GF requested that no further action be required of the owner of 215 Moore Street for conditions associated with Spill #0751350.

April 15, 2011 Letter from NYSDEC Case Manager

On April 15, 2011, a letter from the NYSDEC was sent to Cooper Tank stating that "on November 11, 1999, NYSDEC was notified that contaminated soil was discovered under the street along the west side of White Street adjacent to Block 3100, Lot 47, which is owned by 215 Moore Street". NYSDEC suggested that, based on a gasoline tank reported in historical Sanborn maps from 1933-1979, as referenced in the Phase I ESA prepared by GF dated September 2010, the contamination found may be originating from the Site (Appendix A). NYSDEC required a soil and groundwater investigation in the suspected area of the former gasoline tank via the installation of soil borings and monitoring wells.

2.3 Historical Survey Data

June, 1984 Architectural and Subsurface Utility Survey

An architectural survey was conducted in June 1984 for Cooper by Montrose Surveying Company, Inc. (Montrose), a licensed land surveyor in the State of New York. As demonstrated on a figure prepared by Montrose (Appendix B), a sewer line runs under the west-central area of White Street. This sewer line, according to the Borough of Brooklyn Sewer Department Records, slopes downward from south to north, along the eastern side of 215 Moore Street.

October 26, 1999 NYCDDC Survey

Observed historical groundwater elevations along White Street were presented on a figure dated 10/26/99, prepared by the City of New York Department of Design and Construction Division of Technical Support, Bureau of Site Engineering Subsurface Exploration (Appendix C). The groundwater elevation data shows a generally northward hydraulic gradient along White Street.

3.0 PHYSICAL CONDITIONS

3.1 Site Geology and Topography

Immediately underlying the study area is a continuous layer of historic urban fill material ranging from approximately 5 to 10 feet in thickness (consisting of varying fractions of bricks, historic concrete slabs, brick fragments, wood fragments, slag, coal ash, sand, silt, and gravel), consistent with fill components commonly associated with the uppermost layer of subsurface material of New York City.

According to regional maps and reports published by the USGS and others, the Site is underlain by native unconsolidated Cretaceous to Quaternary age sand and gravel deposits that comprise Long Island's groundwater system. These hydrogeologic units consist of alternating interbedded lenses of gravel, sand, silt, and clay, which form a layered sequence of aquifers and confining units. The Upper Glacial Aquifer in the region generally consists of approximately 150 feet of glacial deposits composed of clay, sand, gravel and boulders.

Underlying the historic urban fill layer, the native geological components that were documented in the study area include varying fractions of fine to coarse sand, fine silt, and fine to medium gravel interbedded with lenses of clay exhibiting varying degrees of saturation and hardness.

According to regional maps, the Site lies approximately 18 feet above mean sea level and depth to groundwater is approximately 10 to 15 feet below ground surface (BGS). During GF investigations, documented groundwater levels ranged from approximately 4.63 to 9.5 feet BGS (7.95 to 13.22 feet above mean sea level). Topographically, the surface elevation of White Street slopes from an elevation of approximately 21 feet above mean sea level south of Moore Street to a lower elevation of approximately 17 feet above mean sea level north of Moore Street and adjacent to the Site. The closest water bodies are English Kills located 0.39 miles to the northeast and the East River located approximately 1.5 miles to the west and northwest.

3.2 Hydrogeology

A predominant northern and north-northeastern groundwater flow direction is well-documented from previous GF investigations, and was confirmed with data collected during the most recent groundwater sampling event on August 8, 2011 (Figure 4). The determination of groundwater flow direction at this location by GF is supported by regional groundwater maps produced by the U.S. Geological Survey (USGS), data collected and documented by others, and the presence of the closest water body (English Kills) located approximately 0.39 miles to the north-northeast.

Site specific hydrogeological considerations that will influence preferential pathways in the shallow aquifer setting around the Site include the compressive forces of large building structures on the shallow aquifer, subsurface utility conduits present in the smear zone, the likely presence of perched groundwater, and clay layers of low hydraulic conductivity and specific yield that immediately underlie non-native fill that exhibits physical properties of higher hydraulic conductivity and specific yield. Other considerations include the heterogeneity of surface and subsurface water drainage and infiltration influenced by varying degrees of impervious and semi-pervious surface conditions.

4.0 SCOPE OF WORK

GF completed this investigation in accordance with the NYSDEC-approved May 2011 Investigation Work Plan (Revised June 2011) prepared by GF and in accordance with discussions and correspondence with the NYSDEC.

On-site activities included the following:

- A geophysical investigation to determine whether a gasoline UST that was identified on historical Sanborn Maps is present, and identify the location of subsurface utilities and other potential subsurface obstructions or hazards in the study area;
- Physical hand clearing and continuous field screening of five sampling locations to 5 feet below ground surface (BGS);
- Advancement of three soil borings inside 215 Moore Street at and in close proximity to the suspected former UST location, and two soil borings on the sidewalk adjacent to 215 Moore Street on the west side of White Street to depths ranging from 20 feet to 24 feet BGS
- Continuous field screening through the soil column, and collection of two discrete soil samples for laboratory analysis from each soil boring location;
- Conversion of all five borings to groundwater monitoring wells;
- Development of the five newly installed groundwater monitoring wells;
- Monitoring well location and elevation survey and collection of groundwater level gauging data from all groundwater monitoring wells; and
- Collection of groundwater samples from all five groundwater monitoring wells for laboratory analysis.

A photo log of Site activities is included in Appendix D.

4.1 Geophysical Investigation and Utilities Clearance

Naeva Geophysics Inc., under contract to GF, conducted a geophysical investigation in the southeast area of 215 Moore Street on April 27, 2011 to determine whether the gasoline UST that was identified on historical Sanborn Maps was present and to identify any subsurface obstructions or hazards in the study area. The geophysical investigation spanned an extended area including the suspected UST location identified on historical Sanborn Maps. The survey area was approximately 50 feet from north to south by 75 feet from east to west in the southeast corner of the building. Geophysical methods used during the investigation successfully located electrical and sanitary system utility conduits, a steel foundation plate for former machinery, and identified a 4-inch diameter steel pipe as a former roof-drain cleanout (Appendix E). The geophysical investigation did not identify any evidence of a current or former UST in the study area.

The drilling contractor, Fenley & Nicol Environmental, Inc. (F&N) contacted the New York One-Call Center to perform public property utility mark-outs prior to the initiation of drilling activities. All boring locations were hand-cleared to 5 feet BGS prior to drilling activities.

4.2 Drilling Activities

4.2.1 Soil Boring Activities

Soil boring activities were conducted from July 19, through July 25, 2011. The investigation included the advancement of five borings as presented on Figure 3. Three borings were advanced inside 215 Moore Street at the location of and in close proximity to the area of the suspected former UST as presented on historical Sanborn maps, and two were advanced on the western side of White Street, adjacent to 215 Moore Street. All five borings were developed and converted to groundwater monitoring wells and developed. Each soil boring was advanced using Geoprobe® direct-push methods. Each boring was advanced below the groundwater interface to terminal depths that ranged from approximately 20 feet to 24 feet BGS. The drilling contractor obtained all required NYC permits for sidewalk drilling and sidewalk restoration activities.

Soil was continuously collected and field screened at each boring location. GF documented soil lithology, visual and olfactory characteristics of the collected soil (staining, discoloration, odors, etc.), and field screened soil for evidence of VOCs by measuring organic vapor concentrations using a photoionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. Boring Logs are included in Appendix F.

Two soil samples were collected for laboratory analysis from each boring. In accordance with the NYSDEC-approved Work Plan, one sample was collected from the boring depth that exhibited the highest PID reading and one sample was collected from the deepest clean depth as determined by PID readings below 10 ppm. The following table describes the sample collection:

BORING IDENTIFICATION	BORING LOCATION	SAMPLE ID	SAMPLE DESCRIPTION AND DEPTH OF SAMPLE INTERVAL
SB-SE-7	Location of suspected former UST inside building, as presented on historic Sanborn maps.	SB-SE-7S SB- SE-7S	(5-7.5') PID = 1361 ppm-highest PID reading (20-21.5') PID = 7.5 ppm-deepest clean sample as determined by PID reading
SB-SE-9	Approximately 30 feet North-northeast of suspected former UST area inside building	SB-SE-9S SB-SE-9D	(13-15') PID = 1055 ppm- highest PID reading (18.5-20') PID = 5.4 ppm- deepest clean sample as determined by PID reading
SB-SE-11	Approximately 35 feet West of suspected former UST area inside building	SB-SE-11S SB-SE-11D	(2.5-3.5') PID = 22.7 ppm-highest PID reading (22.5-25') PID = 0.3 ppm- deepest clean sample as determined by PID reading
SB-SE-8	Approximately 35 feet North of the Northwest corner of Moore St and White St intersection and 45 feet East of suspected former UST area inside building	SB-SE-8S SB-SE-8D	(4-5') PID = 1820 ppm- highest PID reading (22-24') PID = 0.4 ppm- deepest clean sample as determined by PID reading
SB-SE-10	Approximately 80 feet North of the Northwest corner of Moore St and White St intersection and 90 feet East-Northeast of suspected former UST area inside building	SB-SE-10S SB-SE-10D	(7-8.75') PID = 743 ppm-highest PID reading (22-24') PID = 0.4 ppm- deepest clean sample as determined by PID reading

Soil samples were placed into laboratory-supplied glassware and immediately placed in a cooler and packed with ice to maintain a temperature of approximately 4° Celsius. Each soil sample was sent by courier to Test America Laboratories (Test America), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-accredited laboratory and analyzed for all volatile organic compounds (VOCs) listed in New York Codes, Rules and Regulations (6NYCRR) Table 375-6.8(a), including those in NYSDEC CP-51 Soil Cleanup Guidance (CP-51 SCG), and semi-volatile organic compounds (SVOCs) listed in the CP-51 SCG, by United States Environmental Protection Agency (USEPA) Methods 8260 and 8270 respectively. Laboratory data reports were provided in the NYSDEC Full ASP Category B Deliverables reporting format. The laboratory data reports are provided in Appendix G in CD format.

4.2.2 Monitoring Well Installations

GF's drilling subcontractor, F&N, completed five soil borings as groundwater monitoring wells: MW-SE-7, MW-SE-8, MW-SE-9, MW-SE-10, and MW-SE-11 (Figure 3). MW-SE-7, MW-SE-9, and MW-SE-11 were installed inside the building in close proximity to the location of the suspected former UST as presented on historical Sanborn maps. MW-SE-8 and MW-SE-10 were advanced on the western side of White Street, adjacent to 215 Moore Street.

All wells were constructed of 2-inch diameter schedule 40 PVC pipe fitted with 2-inch diameter, 0.020-inch (20 slot) PVC well screen. In accordance with protocols required by NYSDEC for this investigation, the screen was placed so that it intersected the water table in each well and extended approximately five feet below any zone that exhibited the highest potential contamination below the water table, as determined by PID readings. Solvent glue was not used in assembling the well screen or riser casing. Number 2 Morie sand pack was placed around each well screen from the bottom of each well to two feet above the well screen. A bentonite seal was placed on top of the sand pack and the remainder of the annulus was filled with a cement grout-slurry to grade. A flush mounted manhole cover and locking "J" type cap finished each well. Well Construction Logs are included in Appendix H.

4.2.3 Monitoring Well Development

The newly installed monitoring wells were developed using a whale pump to ensure the removal of any fines and to restore the hydraulic properties of the surrounding water bearing material. The flow rate of the pump was controlled to create draw-down in the well but not dry the well. The monitoring wells were developed until ten well volumes were removed and/or the water was visibly clear, to provide sediment-free water for sampling.

Well development logs are provided in Appendix I.

4.3 Monitoring Well Survey

On August 8, 2011, the locations of all borings and monitoring wells and the elevations (top of manway and top of casing) of all monitoring wells were surveyed by Naik Consulting Group, P.C. of New York, New York, a New York State licensed surveyor. The top of manhole and top of casing elevations were surveyed and referenced to North American Vertical Datum 1988 (NAVD88).

Monitoring well survey data is provided in Appendix J. Groundwater elevation data is presented in Table 1. A groundwater contour map is provided as Figure 4.

4.4 Groundwater Sampling

The five newly installed monitoring wells were sampled on August 8, 2011, approximately two weeks after monitoring well development. The depth to water in each well was measured to the nearest hundredth of a foot using an electronic water-level indicator and recorded on the sampling log. Monitoring wells were sampled in accordance with USEPA SOP # SST-7 Groundwater Sampling Procedure: Low Stress (Low Flow) Purging and Sampling. To minimize sample turbidity, the peristaltic pump was set to purge rates ranging from approximately 0.1 to 0.5 liters per minute, consistent with low flow sampling procedures. Measurements of pH, conductivity, dissolved oxygen (DO) content, oxidation reduction potential (ORP), and turbidity

were recorded throughout the purging process. Groundwater was drawn from the wells until acceptable parameter stabilization was observed, followed by sample collection in laboratory-supplied glassware.

All discrete groundwater samples were visibly clear, and turbidity measurements ranged from approximately 0 to 43 nephelometric turbidity units (NTU). Groundwater samples did not exhibit sheen. Disposable gloves were worn during sample collection and replaced between sampling locations. The VOC containers were filled first, followed by SVOC containers. Special care was taken in filling and capping the VOC vials to prevent headspace or air bubble accumulation in sample vials. Overflowing of sample bottles was avoided to prevent the loss of floating substances or preservatives which may have already been added to the bottle. Sample bottles were placed in a cooler and packed with ice to maintain a temperature of approximately 4^{o} Celsius. One trip blank (for VOCs only) and one field blank (for VOCs and SVOCs) were collected for quality assurance/quality control (QA/QC) purposes.

Five groundwater samples and two QA/QC samples were sent by courier during the sampling event to Test America, and analyzed for all VOCs listed in 6NYCRR Table 375-6.8(a), including those in CP-51 SCG, and SVOCs listed in the CP-51 SCG, by USEPA Methods 8260 and 8270 respectively. Laboratory data reports were provided in the NYSDEC Full ASP Category B Deliverables reporting format. The laboratory data reports are provided in Appendix F in CD format.

Groundwater sampling logs are presented in Appendix K.

4.5 Waste Disposal

Drill cuttings from soil boring and monitoring well drilling activities and groundwater generated from development and sampling of monitoring wells were placed into the appropriate U.S. Department of Transportation (DOT) approved 55-gallon drums, labeled, and stored in a staging area designated by Cooper. Each drum was identified by the Site location and date filled. Based on soil and groundwater analytical results, all waste drums were transported offsite by F&N on

8/22/11 to Fenley & Nicol Environmental Inc., 445 Brook Avenue, Deer Park, NY 11729 (USEPA ID#NYD980592570) for proper disposal.

The waste disposal manifest is provided as Appendix L.

5.0 ANALYTICAL RESULTS

Soil sample results were evaluated in accordance with CP-51 SCG dated 10/21/2010, as it applies to the Petroleum Spill Response Program. Accordingly, soil analytical results were compared to Soil Cleanup Objectives (SCOs) listed in Table 1 (Supplemental Soil Cleanup Objectives), Table 2 (Soil Cleanup Levels for Gasoline Contaminated Soils), and Table 3 (Soil Cleanup Levels for Fuel Oil Contaminated Soils) described in CP-51 SCG; and 6NYCRR Table 375-6.8(a) Unrestricted Use SCOs (USCOs)) and 6NYCRR Table 375-6.8(b) Restricted Use Industrial SCOs (RUISCOs), as referenced in CP-51 SCG and as applicable to the Site. The current and future intended use of the Site is industrial in nature.

Groundwater sample analytical results were compared to NYSDEC Class GA Ambient Water Quality Standards as set forth in Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

A summary of the laboratory results for each soil sample are included in Table 2. A summary of laboratory results for each groundwater sample are included on Table 3. Laboratory analytical data sheets are included on CD in Appendix E.

5.1 Soil Sample Results

5.1.1 VOCs

The following table details the specific VOCs in the soil boring samples that were reported above applicable SCOs.

SAMPLE ID:	NYSDEC SOIL CLEANUP OBJECTIVES(CP-51 SCG and Part 375-6.8(a) UNRESTRICTED USE)	NYSDEC SOIL CLEANUP OBJECTIVES(Part 375-6.8(b) INDUSTRIAL USE)	SB-SE-8S 4'-5'		SB-SE 7D 20'-21.5'		SB-SE 7S 5'-7.5'		SB SE-9-D 18.5'-20'	
SAMPLE TYPE:			Soil		Soil		Soil		Soil	
SAMPLE DATE:			07/19/2011		07/21/2011		07/21/2011		07/22/2011	
GC/MS VOC (µg/Kg) - 8260B										
1,2,4-Trimethylbenzene	3600	380000	**110000**		NE		**23000**		NE	
1,3,5-Trimethylbenzene	8400	380000	**17000**		NE		NE		NE	
Acetone	50	1000000	**2900**	**JBC**	NE		**1600**	**JBC**	NE	
Benzene	60	89000	NE		**470**	**J**	**770**	**J**	**61**	
Ethyl Benzene	1000	780000	**9800**		NE		**6400**		NE	
Methylene Chloride	50	1000000	**1900**	**JBC**	**400**	**JBC**	**1900**	**JBC**	NE	
Naphthalene	12000	1000000	**19000**		NE		**15000**		NE	
n-Butylbenzene	12000	1000000	**15000**		NE		**30000**		NE	
n-Propylbenzene	3900	1000000	**29000**		NE		**66000**		NE	
Toluene	700	1000000	NE		**1900**		NE		NE	
Xylenes, Total	260	1000000	**4700**	**J**	**2900**		**6900**		NE	
Total VOCs (exceedances)			209300		5670		151570		61	

NOTES:

µg/Kg Micrograms per Kilogram

BGS Below ground surface

Sample concentrations shown in bold type face exceeded Part 375-6.8(a) Unrestricted Use SCO and CP 51-SCC

Sample concentrations shaded exceeded Part 375-6.8(b) Industrial Use SCO and CP 51-SCC

Highlighted standards shown in bold type face were the specific NYSDEC Soil Cleanup Objective that was exceeded

NE No Exceedance

D Sample diluted in laboratory to meet instrument calibration range

J Estimated value

B The analyte was found in an associated blank, as well as in the sample.

C Common Laboratory Contaminant

5.1.2 SVOC's

The following table details the specific SVOCs in the soil boring samples that were reported above applicable SCOs.

SAMPLE ID:	NYSDEC SOIL CLEANUP OBJECTIVES(CP-51 SCG and Part 375-6.8(a) UNRESTRICTED USE)	NYSDEC SOIL CLEANUP OBJECTIVES(Part 375-6.8(b) Industrial Use)	SB-SE 7S 5'-7.5'		SB SE-11S 2.5'-3.5'	
SAMPLE TYPE:			Soil		Soil	
SAMPLE DATE:			07/21/2011		07/25/2011	
GC/MS SVOC (µg/Kg) - 8270C						
Benzo[a]anthracene	1000	11000	**1200**		**1600**	**B**
Benzo[a]pyrene	1000	1100	1400		2000	
Benzo[b]fluoranthene	1000	11000	**1300**		**2400**	
Benzo[k]fluoranthene	800	110000	**1000**		**1100**	
Chrysene	1000	110000	**1500**		**1900**	
Dibenz(a,h)anthracene	330	1100	NE		**610**	**J**
Indeno[1,2,3-cd]pyrene	500	11000	**940**		**2500**	

NOTES:

µg/Kg	Micrograms per Kilogram
BGS	Below ground surface

Sample concentrations shown in bold type face exceeded Part 375-6.8(a) Unrestricted Use SCO and CP 51-SCC

Sample concentrations shaded exceeded Part 375-6.8(b) Industrial Use SCO and CP 51-SCC

Highlighted standards shown in bold type face were the specific NYSDEC Soil Cleanup Objective that was exceeded

NE	No Exceedance
D	Sample diluted in laboratory to meet instrument calibration range
J	Estimated value
B	The analyte was found in an associated blank, as well as in the sample.

5.2 Groundwater Sample Results

The following table details the specific COCs in groundwater samples that were reported above applicable NYSDEC Class GA Ambient Water Quality Standards.

SAMPLE ID:	NYSDEC CLASS GA Ambient Water Quality Standards	MW-SE-7		MW-SE-8		MW-SE-9	
SAMPLE TYPE:		Water		Water		Water	
SAMPLE DATE:		08/08/2011		08/08/2011		08/08/2011	
GC/MS VOC (µg/L) - 8260B							
1,2,4-Trimethylbenzene	**5**	**1700**		**420**		**51**	
1,3,5-Trimethylbenzene	**5**	**430**		**82**		**17**	
Benzene	**0.7**	**4700**		**100**		**150**	
Ethyl Benzene	**5**	**2000**		**130**		**30**	
Isopropylbenzene	**5**	**140**		**79**		**91**	
m+p Xylene	**5**	**6300**		**69**		**26**	
Naphthalene	**10**	**560**		**93**		NE	
n-Butylbenzene	**5**	NE		**22**		**41**	
n-Propylbenzene	**5**	**230**		**120**		**220**	
o Xylene	**5**	**720**		NE		NE	
p-Isopropyltoluene	**5**	**13**	**J**	**15**		NE	
sec- Butylbenzene	**5**	**12**	**J**	**9.8**		**27**	
Toluene	**5**	**590**		**10**		**7.3**	
Xylenes, Total	**5**	**7000**		**73**		**30**	

Notes:

Concentrations shown in bold type face exceed current NYSDEC CLASS GA Ambient Water Quality Standards

J	Indicates an estimated value.
µg/L	Micrograms per Liter
NE	No Exceedance

5.3 QA/QC Results

The field blank laboratory results related to the soil sampling effort reported detections of acetone, a common laboratory contaminant. The trip blank laboratory results related to the soil sampling effort reported detections of methylene chloride, a common laboratory contaminant. Both analytes were reported in soil samples collected during this investigation. Based on these results, the detections of methylene chloride and acetone in groundwater samples during this sampling event and in QA/QC samples can be attributed to laboratory cross-contamination. No qualification of the soil laboratory results based on this QA/QC sample is warranted.

The field blank laboratory results related to this groundwater sampling effort reported non-detect concentrations of analytes. The trip blank laboratory results related this groundwater sampling effort reported detections of methylene chloride, a common laboratory contaminant. This analyte was not detected in groundwater samples collected during this investigation. No qualification of the groundwater laboratory results based on this QA/QC sample is warranted.

6.0 FINDINGS

The objectives of this investigation were to:

1. Determine if there is physical evidence of a current or former UST at 215 Moore Street, as identified on historic Sanborn Maps;
2. Evaluate soil and groundwater quality in close proximity to the suspected UST area, and;
3. Evaluate and delineate the extent of the impacted soil and groundwater North of the northwestern corner of Moore Street and White Street to determine the extent of petroleum-and chlorinated solvent-related COCs.

6.1 Soil

Soil data collected during this investigation indicates the following:

- Physical evidence of a current or former UST was not substantiated from the geophysical investigation or the subsurface investigation that was conducted at 215 Moore Street in the location of and in close proximity to the suspected former UST area.
- Chlorinated VOCs (CVOCs) were not detected in any of the soil samples collected during this investigation.
- The highest concentration of total VOCs was detected at the southernmost sidewalk location adjacent to White Street offsite, in soils significantly above the water table (SB-SE-8S (4'-5')), approximately 45-50 feet east of the suspected UST location identified on historic Sanborn Maps. This sample was collected from a higher elevation than soils exhibiting evidence of contamination inside 215 Moore Street. This sample location which is significantly above the water table exhibited elevated PID readings, staining, and strong petroleum odors. Seven VOCs exceeded the Unrestricted Use SCOs.
- Inside 215 Moore Street, VOCs exceeding the Unrestricted Use SCOs were detected below the water table at SB-SE-7S (5'-7.5'), SB-SE-7D (20'-21.5'), and SB-SE-9D

(18.5'-20'), at a lower elevation than the highest soil sample concentrations that were collected at the southeastern sidewalk location offsite. Eight VOCs exceeded the Unrestricted Use SCOs but were significantly below the Restricted Use Industrial SCOs for which the Site is zoned and currently used.

- VOCs were not detected above Unrestricted Use SCOs in the northernmost sidewalk boring SB-SE-10 or the westernmost boring inside 215 Moore Street.
- Concentrations of six SVOCs, commonly associated with urban fill, slightly exceeded the Unrestricted Use SCOs at locations SB-SE-7S (5'-7.5'), and SB-SE-11S (2.5'-3.5') inside 215 Moore Street, but were significantly below the Restricted Use Industrial SCOs for which the Site is zoned and currently used.
- Only one SVOC, which also is commonly associated with urban fill, slightly exceeds both the Unrestricted and Restricted Industrial SCOs at locations SB-SE-7S (5'-7.5'), and SB-SE-11S (2.5'-3.5') inside 215 Moore Street.

6.2 Groundwater

Groundwater data collected during this investigation indicates the following.

- The groundwater samples collected from MW-SE-8 (south-easternmost sidewalk location), MW-SE-7 (southernmost location at 215 Moore Street), and MW-SE-9 (northernmost location on 215 Moore Street), exhibited concentrations of VOCs that exceeded NYSDEC Class GA Ambient Water Quality Standards. Fourteen compounds were reported above NYSDEC Class GA Ambient Water Quality Standards.
- Chlorinated VOCs were not detected in any of the groundwater samples collected during this investigation.
- Predominant on-site groundwater flow direction was confirmed to be towards the north and north-northeast.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of this investigation, there is no evidence of a UST or a release of petroleum or chlorinated solvents from 215 Moore Street. The offsite soils adjacent to White Street above the water table that exhibited the highest concentration of VOCs, staining, and petroleum odor at a higher elevation than contaminant-impacted soils at 215 Moore Street below the groundwater table indicate that the soil and groundwater below the water table in the southeast corner of 215 Moore Street have been impacted by an offsite up-gradient condition.

The low concentrations of SVOC compounds exhibited in soil samples in the upper soil horizon are indicative of the historic urban fill. These results are consistent with the documented presence of a historic urban fill layer documented throughout the Site during this investigation and previous investigations. Soils at this location are effectively covered with an impervious layer of concrete and asphalt that greatly reduces the probability of human contact (dermal contact/inhalation/ingestion) with subsurface soils and groundwater. Groundwater is not used as potable water in Brooklyn (Kings County) and did not exhibit detections of the historic fill-related COCs that were detected in the historic urban fill layer.

Based on data compiled from this investigation that provides multiple lines of evidence, GF concludes from this investigation that the soil and groundwater condition in the southeastern corner of 215 Moore Street and on the western side of White Street is related to an offsite soil and groundwater condition and not from an on-site source, and no further investigation or remedial action for these soils or groundwater is warranted of the owner of 215 Moore Street by NYSDEC. GF is requesting that no further action is required of the owner of 215 Moore Street for conditions associated with Spill # 1100020 and that the Spill case be closed.

FIGURES

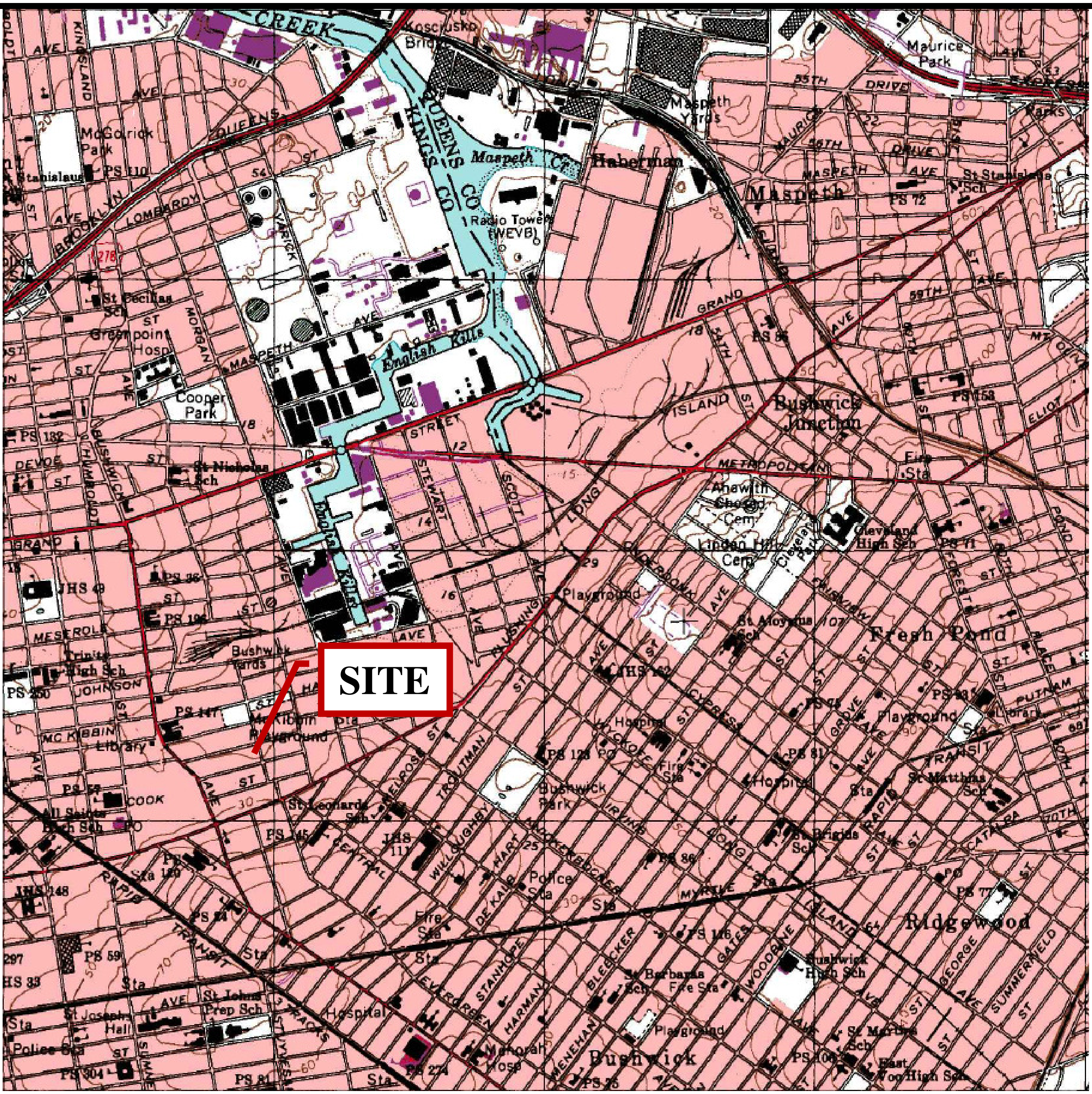


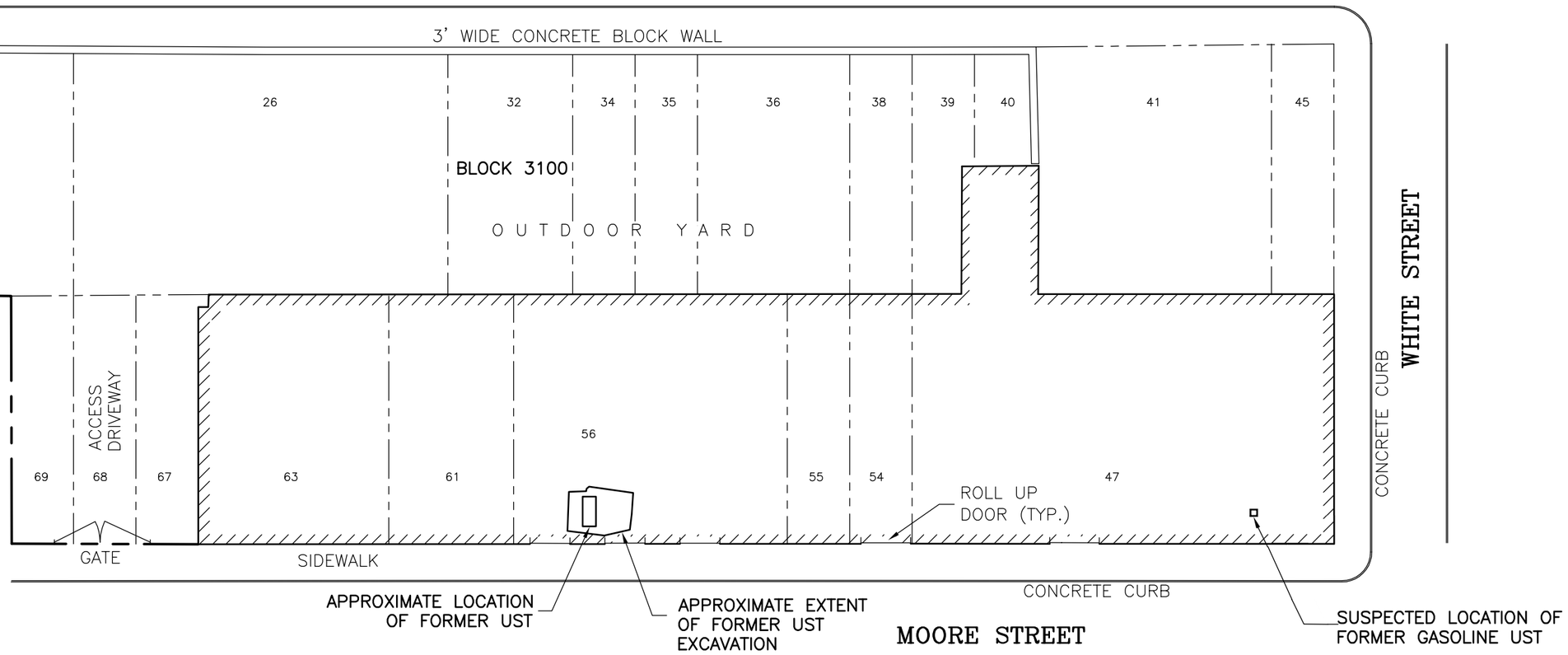
FIGURE 1 – SITE LOCATION MAP

215 MOORE STREET

BROOKLYN, NY 11206

USGS Topographic Map Brooklyn, New York Quadrangle, 1995

SIEGEL STREET

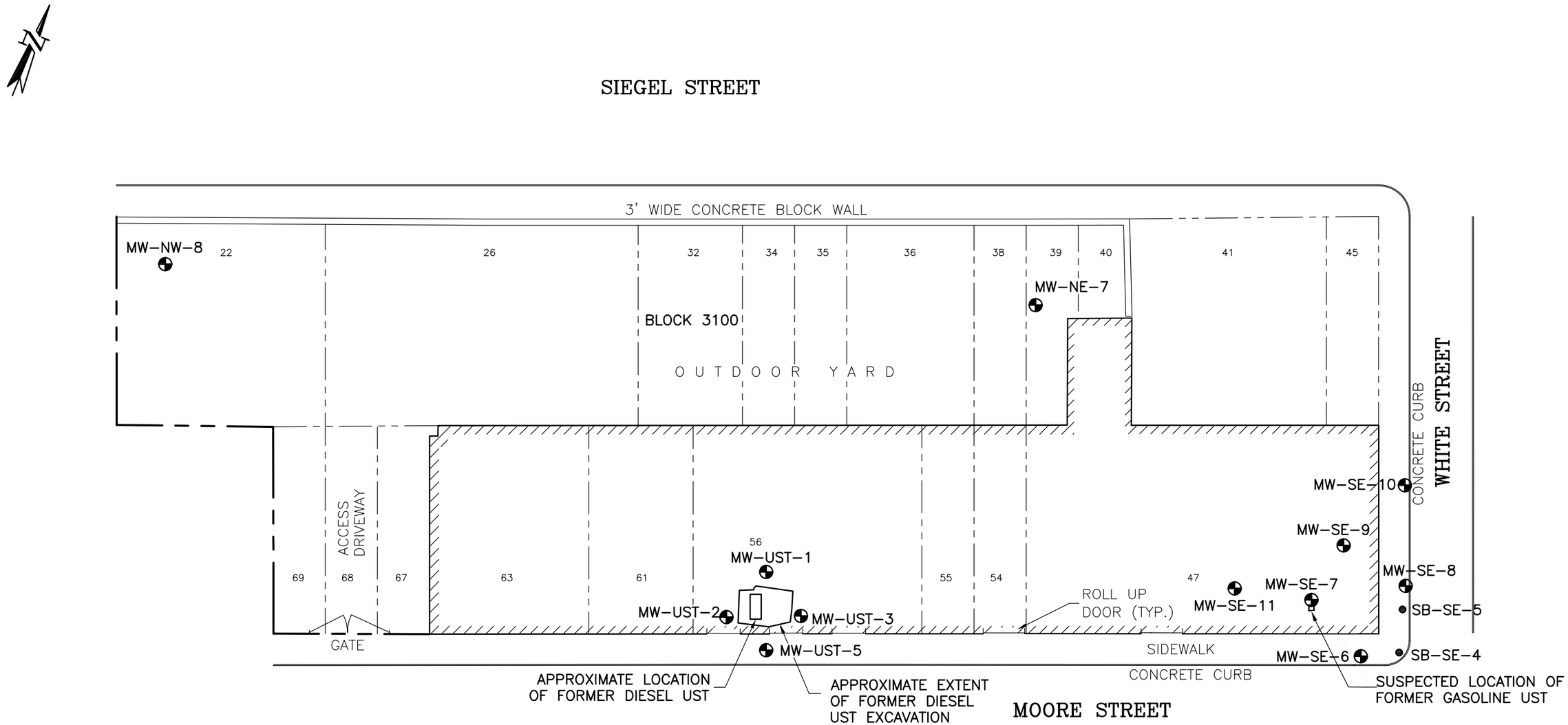


0 50
Scale In Feet

SITE PLAN

COOPER TANK RECYCLING
215 MOORE STREET, BROOKLYN, NY

12/09/10 11:25am FILE= K:\PROJECTS\53000\53319\003\F2-CT-MOORE STR-SITE.dwg by MDOHERTY XREF FILE = NONE



LEGEND:

- SOIL BORING/GROUNDWATER MONITORING WELL LOCATIONS
- SOIL BORING LOCATIONS

0 50
Scale In Feet

SOIL BORING AND MONITORING WELL LOCATIONS

COOPER TANK WELDING CORP.
215 MOORE STREET, BROOKLYN, NY

SIEGEL STREET

3' WIDE CONCRETE BLOCK WALL

22 26 32 34 35 36 38 39 40 41 45

10.38
MW-NW-8

10.00

10.50

9.00

9.50

MW-NE-7
9.40

BLOCK 3100

OUTDOOR YARD

CONCRETE CURB

WHITE STREET

MW-SE-10
9.29

MW-SE-9
9.82

9.50

9.00

MW-SE-11
8.70

MW-SE-7
9.16

MW-SE-8
7.95

MW-SE-6
9.12

9.00

ACCESS DRIVEWAY

69 68 67 63 61 56 55 54 47

MV-UST-1
9.09

MV-UST-2
N/A

MW-UST-3
10.87

11.00

GATE

CONCRETE CURB

MW-UST-5
11.02

APPROXIMATE LOCATION OF FORMER UST

APPROXIMATE EXTENT OF FORMER UST EXCAVATION

11.00

10.50

10.00

9.50

SIDEWALK

MOORE STREET

LEGEND:

- SOIL BORING/GROUNDWATER MONITORING WELL LOCATIONS
- 10.57 GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

NOTES:

SB-UST-1 WAS NOT USED TO PRODUCE GROUNDWATER CONTOURS.

0 50
Scale In Feet

GROUNDWATER CONTOUR MAP
AUGUST 2011

COOPER TANK RECYCLING
215 MOORE STREET, BROOKLYN, NY

8/31/11 3:40pm FILE= K:\PROJECTS\53000\53319\006\F4-CT-MOORE GW-8-8-2011.dwg by LKAMORNIK XREF FILE = NONE

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA
COOPER TANK AND WELDING
215 MOORE STREET
BROOKLYN, NY

MONITORING WELL ID	DATE	MP ELEVATION (feet)	DEPTH TO WATER (feet)	GROUNDWATER ELEVATION (feet)
MW-NW-8	08/08/11	19.81	9.43	10.38
MW-NE-7	08/08/11	15.68	6.28	9.40
MW-UST-1	08/08/11	16.54	7.45	9.09
MW-UST-2	08/08/11	16.63	5.80	N/A
MW-UST-3	08/08/11	16.55	5.68	10.87
MW-UST-5	08/08/11	16.53	5.51	11.02
MW-SE-6	08/08/11	14.85	5.73	9.12
MW-SE-7	08/08/11	16.72	7.56	9.16
MW-SE-8	08/08/11	14.26	6.31	7.95
MW-SE-9	08/08/11	16.14	6.32	9.82
MW-SE-10	08/08/11	13.92	4.63	9.29
MW-SE-11	08/08/11	16.30	7.60	8.70

Notes:
MP Measuring Point (Top of PVC Casing)
MW Monitoring Well
N/A Not Available

TABLE 2
SUMMARY OF SOIL RESULTS
VOLATILE ORGANIC COMPOUNDS
AND
SEMI-VOLATILE ORGANIC COMPOUNDS

COOPER TANK
215 MOORE STREET
BROOKLYN, NEW YORK

SAMPLE ID:	CP-51 TABLE 1, SUPPLEMENTAL SOIL CLEANUP OBJECTIVES	NYSDEC SOIL CLEANUP OBJECTIVES(CP-51 SCG and Part 375-6.8(a) UNRESTRICTED USE)	NYSDEC SOIL CLEANUP OBJECTIVES(Part 375-6.8(b) Industrial Use)	SB-SE-8D 22'-24'		SB-SE-8S 4'-5'		SB-SE 10D 22'-24'		SB-SE-10S 7'-8.75'		SB-SE 7D 20'-21.5'		SB-SE 7S 5'-7.5'		SB SE-9-D 18.5'-20'		SB SE-9-S 13'-15'		SB SE 11D 22.5'-25'		SB SE-11S 2.5'-3.5'	
SAMPLE TYPE:				Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SAMPLE DATE:				07/19/2011		07/19/2011		07/20/2011		07/20/2011		07/21/2011		07/21/2011		07/22/2011		07/22/2011		07/25/2011		07/25/2011	
GC/MS VOC (µg/Kg) - 8260B																							
1,1,1,2-Tetrachloroethane	NA	NS	NS	0.65	U	1000	U	0.58	U	0.60	U	100	U	450	U	0.62	U	0.65	U	0.58	U	0.60	U
1,1,1-Trichloroethane	NA	680	1000000	0.66	U	750	U	0.59	U	0.62	U	74	U	320	U	0.64	U	0.66	U	0.59	U	0.61	U
1,1,2-Trichloroethane	NA	NS	NS	0.46	U	830	U	0.41	U	0.43	U	82	U	350	U	0.44	U	0.46	U	0.41	U	0.42	U
1,1-Dichloroethane	NA	270	480000	0.37	U	880	U	0.34	U	0.35	U	86	U	370	U	0.36	U	0.37	U	0.33	U	0.34	U
1,1-Dichloroethene	NA	330	1000000	0.72	U	910	U	0.65	U	0.67	U	90	U	390	U	0.70	U	0.72	U	0.65	U	0.66	U
1,2,4-Trimethylbenzene	NA	**3600**	380000	0.94	U	**110000**		0.85	U	170		730		**23000**		130		240		0.85	U	0.87	U
1,2-Dichloroethane	NA	20	60000	0.72	U	720	U	0.65	U	0.67	U	71	U	310	U	0.70	U	0.72	U	0.65	U	0.66	U
1,2-Dichloropropane	700000 (Ecological Resources)	NS	NS	0.83	U	630	U	0.75	U	0.78	U	62	U	270	U	0.80	U	0.83	U	0.75	U	0.77	U
1,3,5-Trimethylbenzene	NA	**8400**	380000	0.62	U	**17000**		0.56	U	42		200	J	2000	J	32		58		0.56	U	0.57	U
2-Butanone (MEK)	NA	120	1000000	2.0	U	1300	U	1.8	U	1.8	U	130	U	570	U	1.9	U	13		1.8	U	1.8	U
2-Hexanone	NA	NS	NS	1.5	U	1600	U	1.3	U	1.4	U	160	U	680	U	1.4	U	1.5	U	1.3	U	1.4	U
Acetone	NA	**50**	1000000	20	J	**2900**	**J**	9.7	J B	50		290	U	**1600**	**J**	2.7	U	26		7.1	J	34	
Benzene	NA	**60**	89000	25		800	U	0.64	U	0.66	U	**470**	**J**	**770**	**J**	**61**		32		0.64	U	0.65	U
Bromodichloromethane	NA	NS	NS	0.37	U	840	U	0.34	U	0.35	U	83	U	360	U	0.36	U	0.37	U	0.33	U	0.34	U
Bromoform	NA	NS	NS	0.76	U	970	U	0.68	U	0.71	U	96	U	420	U	0.73	U	0.76	U	0.68	U	0.70	U
Bromomethane	NA	NS	NS	2.6	U	1100	U *	2.3	U *	2.4	U	110	U	480	U	2.5	U	2.6	U	2.3	U	2.4	U
Carbon Disulfide	100000 (Residential)	NS	NS	0.51	U	800	U	0.46	U	0.48	U	79	U	340	U	0.49	U	0.51	U	0.46	U	2.9	J
Carbon Tetrachloride	NA	760	44000	1.2	U	940	U	1.1	U	1.1	U	92	U	400	U	1.1	U	1.2	U	1.1	U	1.1	U
Chlorobenzene	NA	1100	1000000	0.73	U	750	U	0.66	U	0.69	U	74	U	320	U	0.71	U	0.73	U	0.66	U	0.68	U
Chloroethane	1900 (Groundwater)	NS	NS	1.2	U	970	U	1.1	U	1.1	U	96	U	420	U	1.2	U	1.2	U	1.1	U	1.1	U
Chloroform	NA	370	700000	0.42	U	750	U	0.38	U	0.40	U	74	U	320	U	0.41	U	0.42	U	0.38	U	0.39	U
Chloromethane	NA	NS	NS	0.97	U	780	U	0.87	U	0.91	U	77	U	330	U	0.94	U	0.97	U	0.87	U	0.89	U
cis-1,2 Dichloroethene	NA	250	1000000	0.46	U	730	U	0.41	U	0.43	U	72	U	310	U	0.44	U	0.46	U	0.41	U	0.42	U
cis-1,3 Dichloropropene	NA	NS	NS	0.70	U	740	U	0.63	U	0.65	U	73	U	320	U	0.67	U	0.70	U	0.62	U	0.64	U
Dibromomethane	NA	NS	NS	0.80	U	860	U	0.72	U	0.74	U	85	U	370	U	0.77	U	0.80	U	0.71	U	0.73	U
Ethyl Benzene	NA	**1000**	780000	6.2		**9800**		0.78	U	9.0		440	J	**6400**		49		91		0.78	U	0.80	U
Isopropylbenzene	100000 (Residential)	NS	NS	0.24	U	14000		0.21	U	3.7	J	85	U	22000		7.7		13		0.21	U	0.22	U
m+p Xylene	NA	NS	NS	8.9		4700	J	0.39	U	48		2100		5700		180		170		0.39	U	0.85	J
Methyl Isobutyl Ketone	1000 (Groundwater)	NS	NS	0.68	U	1000	U	0.62	U	0.64	U	98	U	430	U	0.66	U	0.68	U	0.61	U	0.63	U
Methyl tert-butyl Ether	NA	930	1000000	0.26	U	610	U	0.24	U	0.24	U	60	U	260	U	0.25	U	0.26	U	0.34	J	0.24	U
Methylene Chloride	NA	**50**	1000000	9.3	J B	**1900**	**J B**	6.5	J B	7.9	J B	**400**	**J B**	**1900**	**J B**	13	J B	11	J B	12	J B	10	J B
Naphthalene	NA	**12000**	1000000	0.36	U	**19000**		0.32	U	200		310	J	**15000**		24		73		0.32	U	1.7	J
n-Butylbenzene	NA	**12000**	1000000	1.4	U	**15000**		1.3	U	1.3	U	100	U	**30000**		1.4	U	1.4	U	1.3	U	1.3	U
n-Propylbenzene	NA	**3900**	1000000	0.76	U	**29000**		0.68	U	14		96	J	**66000**		16		29		0.68	U	0.70	U
o Xylene	NA	NS	NS	4.8	J	1000	U	0.21	U	20		830		1200	J	32		11		0.21	U	0.38	J
p-Isopropyltoluene	10000 (Groundwater)	NS	NS	0.66	U	8100		0.59	U	8.2		73	U	320	U	0.64	U	1.6	J	0.59	U	0.61	U
sec- Butylbenzene	NA	11000	1000000	0.66	U	5400	J	0.59	U	3.3	J	91	U	9700		1.2	J	2.7	J	0.59	U	0.61	U
Styrene	300000 (Ecological Resources)	NS	NS	0.19	U	970	U	0.17	U	0.17	U	96	U	420	U	0.18	U	0.19	U	0.17	U	0.17	U
tert- Butylbenzene	NA	5900	1000000	0.36	U	850	U	0.32	U	0.34	U	84	U	630	J	0.35	U	0.36	U	0.32	U	0.33	U
Tetrachloroethene	NA	1300	300000	1.0	U	1000	U	0.91	U	0.94	U	98	U	430	U	0.97	U	1.0	U	0.90	U	0.93	U
Toluene	NA	**700**	1000000	14		880	U	0.083	U	0.79	J	**1900**		370	U	7.4		3.6	J	0.083	U	0.74	J
trans-1,2-Dichloroethene	NA	190	1000000	0.48	U	640	U	0.44	U	0.45	U	64	U	280	U	0.47	U	0.49	U	0.44	U	0.45	U
trans-1,3 Dichloropropene	NA	NS	NS	0.34	U	750	U	0.30	U	0.31	U	74	U	320	U	0.32	U	0.34	U	0.30	U	0.31	U
Trichloroethene	NA	470	400000	1.0	U	790	U	0.91	U	0.94	U	78	U	340	U	0.97	U	1.0	U	0.90	U	0.93	U
Vinyl Chloride	NA	20	27000	0.29	U	810	U	0.26	U	0.27	U	80	U	350	U	0.28	U	0.29	U	0.26	U	0.26	U
Xylenes, Total*	NA	**260**	1000000	14		**4700**	**J**	0.54	U	68		**2900**		**6900**		210		180		0.54	U	1.2	J

Notes:
Highlighted standards shown in bold type face were the specific NYSDEC Soil Cleanup Objective that was exceeded
Sample concentrations shown in bold type face exceeded Part 375-6.8(a) Unrestricted Use SCO and CP 51-SCC
Sample concentrations shaded exceeded Part 375-6.8(b) Industrial Use SCO and CP 51-SCC

*	LCS or LCSD exceeds the control limits
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.
NS	No Standard
NA	Not Applicable
*	Standard is the sum of o-Xylenes+ m/p-Xylenes (260 ug/L for Unrestricted SCOs and 1000000 for Restricted Industrial SCOs)

TABLE 2
SUMMARY OF SOIL RESULTS
VOLATILE ORGANIC COMPOUNDS
AND
SEMI-VOLATILE ORGANIC COMPOUNDS

COOPER TANK
215 MOORE STREET
BROOKLYN, NEW YORK

SAMPLE ID:	NYSDEC SOIL CLEANUP OBJECTIVES(CP-51 SCG and Part 375-6.8(a) UNRESTRICTED USE)	NYSDEC SOIL CLEANUP OBJECTIVES(Part 375-6.8(b) Industrial Use)	SB-SE-8D 22'-24'		SB-SE-8S 4'-5'		SB-SE 10D 22'-24'		SB-SE-10S 7'-8.75'		SB-SE 7D 20'-21.5'		SB-SE 7S 5'-7.5'		SB SE-9-D 18.5'-20'		SB SE-9-S 13'-15'		SB SE 11D 22.5'-25'		SB SE-11S 2.5'-3.5'	
SAMPLE TYPE:			Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SAMPLE DATE:			07/19/2011		07/19/2011		07/20/2011		07/20/2011		07/21/2011		07/21/2011		07/22/2011		07/22/2011		07/25/2011		07/25/2011	
GC/MS Semi SVOC (µg/Kg) - 8270C																						
Acenaphthene	20000	1000000	20	U	170	J	18	U	19	U	19	U	240	J	19	U	20	U	18	U	220	J
Acenaphthylene	100000	1000000	16	U	32	U	15	U	15	U	16	U	34	U	16	U	16	U	15	U	140	J
Anthracene	100000	1000000	13	U	350	J	12	U	12	U	13	U	690	J	13	U	13	U	12	U	480	J
Benzo[a]anthracene	**1000**	11000	12	U	610	J	11	U	11	U	12	U	**1200**		11	U	12	U	11	U	**1600**	**B**
Benzo[a]pyrene	**1000**	**1100**	9.0	U	670		8.2	U	8.5	U	8.8	U	1400		8.7	U	9.1	U	8.1	U	2000	
Benzo[b]fluoranthene	**1000**	11000	8.9	U	760		8.0	U	8.4	U	8.6	U	**1300**		8.6	U	8.9	U	8.0	U	**2400**	
Benzo[g,h,i]perylene	100000	1000000	22	U	360	J	20	U	20	U	21	U	780		21	U	22	U	20	U	2900	
Benzo[k]fluoranthene	**800**	110000	30	U	320	J	27	U	28	U	29	U	**1000**		29	U	30	U	27	U	**1100**	
Chrysene	**1000**	110000	25	U	600	J	22	U	23	U	24	U	**1500**		24	U *	25	U *	22	U	**1900**	
Dibenz(a,h)anthracene	**330**	1100	26	U	51	U	24	U	25	U	25	U	230	J	25	U	26	U	24	U	**610**	**J**
Fluoranthene	100000	1000000	17	U	1100		15	U	16	U	16	U	1600		16	U	17	U	15	U	3200	
Fluorene	30000	1000000	20	U	300	J	18	U	19	U	19	U	500	J	19	U	20	U	18	U	290	J
Indeno[1,2,3-cd]pyrene	**500**	11000	22	U	410	J	20	U	20	U	21	U	**940**		21	U	22	U	20	U	**2500**	
Naphthalene (SV)	12000	1000000	17	U	12000		16	U	170	J	120	J	8000		170	J	510		16	U	360	J
Phenanthrene	100000	1000000	16	U	1100		15	U	15	U	16	U	2100		16	U	16	U	15	U	2000	
Pyrene	100000	1000000	16	U	1100		14	U	15	U	15	U	2000		15	U	16	U	14	U	4200	

Notes:
Highlighted standards shown in bold type face were the specific NYSDEC Soil Cleanup Objective that was exceeded
Sample concentrations shown in bold type face exceeded Part 375-6.8(a) Unrestricted Use SCO and CP 51-SCC
Sample concentrations shaded exceeded Part 375-6.8(b) Industrial Use SCO and CP 51-SCC

J	Indicates an estimated value.
U	Analyzed for but not detected.
NS	No Standard
NA	Not Applicable

TABLE 3
SUMMARY OF GROUNDWATER RESULTS
VOLATILE ORGANIC COMPOUNDS
AND
SEMI-VOLATILE ORGANIC COMPOUNDS

COOPER TANK
215 MOORE STREET
BROOKLYN, NEW YORK

SAMPLE ID:	NYSDEC GW CLASS GA AMBIENT WATER QUALITY STANDARDS	MW-SE-10		MW-SE-11		MW-SE-7		MW-SE-8		MW-SE-9	
SAMPLE TYPE:		Water		Water		Water		Water		Water	
SAMPLE DATE:		08/08/2011		08/08/2011		08/08/2011		08/08/2011		08/08/2011	
GC/MS VOC (µg/L) - 8260B											
1,1,1-Trichloroethane	5	0.25	U	0.25	U	6.3	U	0.25	U	0.25	U
1,1,2,2-Tetrachloroethane	5	0.090	U	0.090	U	2.3	U	0.090	U	0.090	U
1,1,2-Trichloroethane	1	0.10	U	0.10	U	2.5	U	0.10	U	0.10	U
1,1-Dichloroethane	5	0.10	U	0.10	U	2.5	U	0.10	U	0.10	U
1,1-Dichloroethene	5	0.14	U	0.14	U	3.5	U	0.14	U	0.14	U
1,2,4-Trimethylbenzene	**5**	2.1		0.20	U	**1700**		**420**		**51**	
1,2-Dichloroethane	0.6	0.24	U	0.24	U	6.0	U	0.24	U	0.31	J
1,2-Dichloropropane	1	0.090	U	0.090	U	2.3	U	0.090	U	0.090	U
1,3,5-Trimethylbenzene	**5**	0.92	J	0.19	U	**430**		**82**		**17**	
2-Butanone (MEK)	50	0.82	U	0.82	U	21	U	0.82	U	0.82	U
2-Hexanone	50	0.55	U	0.55	U	14	U	0.55	U	0.55	U
Acetone	50	2.5	U	2.5	U	62	U	7.5	J	2.5	U
Benzene	**0.7**	0.20	J	0.29	J	**4700**		**100**		**150**	
Bromodichloromethane	50	0.093	U	0.093	U	2.3	U	0.093	U	0.093	U
Bromoform	50	0.10	U	0.10	U	2.5	U	0.10	U	0.10	U
Bromomethane	5	0.31	U	0.31	U	7.8	U	0.31	U	0.31	U
Carbon Disulfide	60	0.15	U	0.15	U	3.8	U	0.17	J	0.15	U
Carbon Tetrachloride	5	0.19	U	0.19	U	4.8	U	0.19	U	0.19	U
Chlorobenzene	5	0.16	U	0.16	U	4.0	U	0.16	U	0.16	U
Chloroethane	5	0.45	U	0.45	U	11	U	0.45	U	0.45	U
Chloroform	7	1.7		0.15	U	3.8	U	6.5		0.15	U
Chloromethane	5	0.21	U	0.21	U	5.3	U	0.21	U	0.21	U
cis-1,2 Dichloroethene	5	0.20	U	0.20	U	5.0	U	0.20	U	0.20	U
cis-1,3 Dichloropropene	0.4	0.11	U	0.11	U	2.8	U	0.11	U	0.11	U
Dibromomethane	NS	0.19	U	0.19	U	4.8	U	0.19	U	0.19	U
Ethyl Benzene	**5**	0.50	J	0.25	U	**2000**		**130**		**30**	
Isopropylbenzene	**5**	0.27	J	0.21	U	**140**		**79**		**91**	
m+p Xylene	**5**	0.95	J	0.52	J	**6300**		**69**		**26**	
Methyl Isobutyl Ketone	NS	0.68	U	0.68	U	17	U	0.68	U	0.68	U
Methyl tert-butyl Ether	10	0.18	U	0.18	U	4.5	U	0.18	U	0.18	J
Methylene Chloride	5	0.19	U	0.19	U	4.8	U	0.19	U	0.19	U
Naphthalene	**10**	0.64	J	0.60	U	**560**		**93**		10	
n-Butylbenzene	**5**	0.49	J	0.30	U	7.5	U	**22**		**41**	
n-Propylbenzene	**5**	0.40	J	0.28	J	**230**		**120**		**220**	
o Xylene	**5**	0.54	J	0.21	J	**720**		4.4		3.6	
p-Isopropyltoluene	**5**	0.19	U	0.19	U	**13**	**J**	**15**		1.9	
sec- Butylbenzene	**5**	0.20	U	0.20	U	**12**	**J**	**9.8**		**27**	
Styrene	5	0.13	U	0.13	U	3.3	U	0.13	U	0.13	U
tert- Butylbenzene	5	0.18	U	0.18	U	4.5	U	1.6		1.5	
Tetrachloroethene	5	0.20	U	0.20	U	5.0	U	0.20	U	0.20	U
Toluene	**5**	0.20	J	0.19	J	**590**		**10**		**7.3**	
trans-1,2-Dichloroethene	5	0.14	U	0.14	U	3.5	U	0.14	U	0.14	U
trans-1,3 Dichloropropene	0.4	0.12	U	0.12	U	3.0	U	0.12	U	0.12	U
Trichloroethene	5	0.18	U	0.18	U	4.5	U	0.18	U	0.18	U
Vinyl Chloride	2	0.13	U	0.13	U	3.3	U	0.13	U	0.13	U
Xylenes, Total	**5**	1.5	J	0.73	J	**7000**		**73**		**30**	

Notes:

Highlighted concentrations shown in bold type face were the specific NYSDEC CLASS GA Ambient Water Quality Standards that were exceeded

Sample concentrations shown in bold type face exceeded NYSDEC CLASS GA Ambient Water Quality Standards (TOGS 1.1.1)

J	Indicates an estimated value.
U	Analyzed for but not detected.
NS	No Standard
NA	Not Applicable
µg/L	micrograms per liter

TABLE 3
SUMMARY OF GROUNDWATER RESULTS
VOLATILE ORGANIC COMPOUNDS
AND
SEMI-VOLATILE ORGANIC COMPOUNDS

COOPER TANK
215 MOORE STREET
BROOKLYN, NEW YORK

SAMPLE ID:	NYSDEC GW CLASS GA AMBIENT WATER QUALITY STANDARDS	MW-SE-10		MW-SE-11		MW-SE-7		MW-SE-8		MW-SE-9	
SAMPLE TYPE:		Water		Water		Water		Water		Water	
SAMPLE DATE:		08/08/2011		08/08/2011		08/08/2011		08/08/2011		08/08/2011	
GC/MS Semi SVOC (µg/L) - 8270C											
Acenaphthene	20	3.8	U	3.8	U	7.5	U	3.8	U	3.8	U
Acenaphthylene	NS	4.0	U	4.0	U	8.1	U	4.0	U	4.0	U
Anthracene	50	3.6	U	3.6	U	7.1	U	3.6	U	3.6	U
Benzo[a]anthracene	0.002	0.27	U	0.27	U	0.54	U	0.27	U	0.27	U
Benzo[a]pyrene	0.002	0.18	U	0.18	U	0.36	U	0.18	U	0.18	U
Benzo[b]fluoranthene	0.002	0.21	U	0.21	U	0.42	U	0.21	U	0.21	U
Benzo[g,h,i]perylene	0.002	2.7	U	2.7	U	5.4	U	2.7	U	2.7	U
Benzo[k]fluoranthene	0.002	0.30	U	0.30	U	0.60	U	0.30	U	0.30	U
Chrysene	0.002	3.8	U	3.8	U	7.5	U	3.8	U	3.8	U
Dibenz(a,h)anthracene	50	0.16	U	0.16	U	0.32	U	0.16	U	0.16	U
Fluoranthene	50	2.6	U	2.6	U	5.3	U	2.6	U	2.6	U
Fluorene	50	3.3	U	3.3	U	6.5	U	3.3	U	3.3	U
Indeno[1,2,3-cd]pyrene	0.002	0.12	U	0.12	U	0.24	U	0.12	U	0.12	U
Naphthalene (SV)	**10**	3.7	U	3.7	U	**400**		**62**		3.7	U
Phenanthrene	50	3.6	U	3.6	U	7.1	U	3.6	U	3.6	U
Pyrene	50	4.3	U	4.3	U	8.5	U	4.3	U	4.3	U

Notes:

Highlighted concentrations shown in bold type face were the specific NYSDEC CLASS GA Ambient Water Quality Standards that were exceeded

Sample concentrations shown in bold type face exceeded NYSDEC CLASS GA Ambient Water Quality Standards (TOGS 1.1.1)

U	Analyzed for but not detected.
NS	No Standard
NA	Not Applicable
µg/L	micrograms per liter

APPENDIX A
APRIL 15, 2011 NYSDEC LETTER

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
One Hunters Point Plaza
47-40 21st Street, Long Island City, 11101
Phone: (718) 482-6364 • **Fax:** (718) 482-4098 • **Website:** www.dec.ny.gov

Joe Martens
Commissioner

April 15, 2011

215 Moore Street Inc.
215 Moore Street
Brooklyn, NY 11206
Attn.: David Hillcoat

Re.: Spill at 215 Moore Street, Brooklyn, NY
Spill Case #: 1100020

Dear Mr. Hillcoat,

On 11/11/1999, the New York State Department of Environmental Conservation (the Department) was notified that contaminated soil and groundwater was discovered under the street along the west side of White Street (Spill #: 9911504). This soil contamination was found adjacent to Block 3100, Lot 47 ('Lot 47') which is owned by 215 Moore Street, Inc. Also, as per the Phase I Environmental Site Assessment dated September 2010, submitted by Gannett Fleming Engineers, P.C., for the above referenced site, there was a gasoline tank located on the same lot from 1933-1979. Based on available information, the contamination found under the street could be result of a leak from the historical gasoline tank system. This is a violation of Article 12 of the New York State Navigation Law (NL) Section 173 and according to Section 176, the respondent is required to contain and "promptly clean up and remove the discharge."

As discussed during a meeting on 03/31/2011, the Department requires soil and groundwater investigation on and around Lot 47. Within 60 days of the date of this letter, the Respondent shall submit for Department approval an Investigation Work Plan detailing the scope of work proposed to investigate the full extent of the contamination, both on- and off-site (the "IWP"). The Department requires the following to be submitted in the IWP:

1. *Delineation of Soil and Groundwater Contamination on and around Lot 47:*
To determine the source of contamination, the Department requires soil and groundwater investigation in an area of the former gasoline tank(s) via installation of monitoring wells. As per DER-10 (Technical Guidance for Site Investigation and Remediation, available at http://www.dec.ny.gov/regulations/2393.html) 3.7.2 (b) 4.i: "A minimum of three groundwater monitoring wells or piezometers are required in each affected aquifer or water bearing zone to determine the groundwater flow direction in that zone. The monitoring wells or piezometers must be installed properly and surveyed relative to a permanent surface structure to provide for adequate triangulation." The Department also requires complete delineation of soil and groundwater contamination via installation of soil borings on sidewalks around the Lot 47. During installation of soil borings and monitoring wells, soil must be sampled continuously with a photoionization detector (PID) to a minimum depth of twenty (20) feet below grade. The deepest clean soil sample and the sample with the highest PID reading must be sent to a NYSDOH certified laboratory for

analyses. If no elevated PID readings are found then the two deepest dry soil samples must be submitted for analyses. A water sample from all soil borings and monitoring wells must be submitted for analyses. All soil and groundwater samples must be analyzed for Full List of VOCs via EPA Method 8260 and Spills Technology and Remediation Series (STARs) list of SVOCs via EPA Method 8270. Prior to installation, all utilities must be located and marked out.

The IWP must include an implementation schedule for performing the investigation and submitting a Remedial Investigation Report summarizing the information gathered during the investigation (the "RIR"). Additional borings/monitoring wells may be necessary based upon review of the RIR.

The Department holds the responsible party liable for addressing any on- or off-site contamination associated with this spill case. Under the New York State Environmental Conservation Law (ECL) and/or the New York State Navigation Law (NL), any person who discharges petroleum and fails to promptly clean up such prohibited discharge may be subject to a penalty of up to $37,500 per day per violation.

If you have any questions, please call me at (718) 482-6364.

Sincerely,

Hiralkumar Patel
Environmental Engineer 1
Spill Prevention & Response Programs

cc: Vincent Frisina, Gannett Fleming Engineers, P.C.

APPENDIX B

JUNE 1984 ARCHITECTURAL AND SUBSURFACE UTILITY SURVEY

TITLE NO.

SURVEY NO. 44751

SEIGEL STREET

WHITE ST.

100R STREET

DEBRIS

484'-11½" L.S.
485.96'

529.90'
529'-5½" L.S.

119'-6" L.S.
119.60'

100' L.S.
100.08'

75' L.S.
75.06'

EL. 30' ±

ONE STORY BRICK BLDG.
FL. EL. 18.17

ONE STORY BRICK BLDG.
FL. EL. 17.27

ONE STORY AND MEZZANINE BRICK BLDG.

ONE STORY CONC. BLOCK BLDG.
FL. EL. 14.45

ONE STORY BRICK & CONC. BLOCK BLDG.

ONE STORY BRICK BLDG.

ASPHALT PAVEMENT

BLUESTONE CURB

CONC. WALK

METAL FENCE

CHAIN LINK FENCE ON 8" CONC. CURB

STEEL FRAME GUARD RAIL

INCLUDED

NOT

GENERAL NOTES:

1. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO THE BOROUGH OF BROOKLYN HIGHWAY DEPARTMENT DATUM WHICH IS 2.56 FEET ABOVE MEAN SEA LEVEL DATUM.
2. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB. IF ESTABLISHED GRADES VARY SUBSTANTIALLY FROM EXISTING ELEVATIONS CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING IMPROVEMENTS.
3. ELECTRIC INFORMATION OBTAINED FROM THE CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
4. GAS INFORMATION OBTAINED FROM THE BROOKLYN UNION GAS COMPANY.
5. SIZES & LOCATIONS OF WATER MAINS SHOWN HEREON AS SUPPLIED BY THE DEPARTMENT OF WATER SUPPLY, BOROUGH OF BROOKLYN. LOCATIONS OF WATER SUPPLY FACILITIES, HYDRANTS & WATER VALVES AS OBTAINED FROM FIELD MEASUREMENTS.
6. SIZES & TYPES OF SEWERS SHOWN HEREON AS OBTAINED FROM THE BOROUGH OF BROOKLYN SEWER DEPARTMENT RECORDS. SEWER MANHOLE RIM & INVERT ELEVATIONS SHOWN HEREON OBTAINED BY FIELD SURVEY UNLESS INDICATED THUS: ( ) WHICH DENOTES "INVERT INACCESSIBLE" OR MANHOLE NOT FOUND IN FIELD. INFORMATION SHOWN IN THIS MANNER IS AS OBTAINED FROM THE BOROUGH OF BROOKLYN SEWER DEPARTMENT RECORDS.
7. ALL SEWERS SHOWN HEREON ARE CITY COMBINED SEWERS UNLESS OTHERWISE INDICATED.
8. LOCATIONS OF ALL UTILITIES & STRUCTURES ARE APPROXIMATE ONLY. THE INFORMATION SHOWN ON THIS SURVEY PERTAINING TO UTILITIES & SUBSTRUCTURES IS FOR COMPILED AS TO ACCURACY OR COMPLETENESS. CONSULT WITH THE APPROPRIATE UTILITY OR AGENCY BEFORE DESIGNING IMPROVEMENTS.
9. NO EXCAVATIONS, FILLINGS, CHANGES, PATCHES, OR OTHER DISTURBANCES OF OR CROSSINGS OVER ANY PUBLIC STREET SHALL BE MADE WITHOUT A PERMIT FROM THE PROPER AUTHORITY.

LEGEND:

- E — ELECTRIC CONDUIT
- 18"O — CONCRETE OIL FILLED LINE
- 3"(PIPE) — CONCRETE OIL FILLED HIGH POWER LINE ENCASED IN STEEL PRESSURE PIPE
- OVERHEAD WIRES
- ELECTRIC MANHOLE
- 4"G — GAS MAIN AND SIZE
- 6"W — WATER MAIN AND SIZE
- WATER MANHOLE
- HYDRANT
- SEWER, SIZE AND DIRECTION OF FLOW
- CATCH BASIN
- TRAFFIC SIGNAL
- UTILITY POLE
- WATER VALVE

CERTIFIED TO:
COOPER TANK & WELDING CORP.

REV.	DATE	DESCRIPTION	ck	dm
	6-7-84	ARCHITECTURAL SURVEY	DO	km

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID COPIES.

CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

MONTROSE SURVEYING CO., INC. — CITY & LAND SURVEYORS
116 JOHNSON AVE. & BROADWAY (RT. 11A) HOLBROOK, N.Y. 11741 (516) 588-6868

PRESIDENT

LICENSED LAND SURVEYOR — DAVID E. MONTROSE — No. 049788 — STATE OF NEW YORK

COUNTY KINGS
TAX BLOCK 3100
SCALE 1" = 30'
STANDARD U.S. EXCEPT WHERE NOTED L.S. WHICH DENOTES LOCAL STANDARD

DRAWN BY

MONTROSE SURVEYING CO., INC. • ESTABLISHED 1876 • INCORPORATED 1931 • SUCCESSOR TO: B.B. MEINKHEIM C.S. • I.C.L. SMITH C.S. • C.U. POWELL C.E., C.S. • NATHAN CAMPBELL C.E., C.S. • A.U. WHITSON C.E., C.S. • C. STIOUFFER R.A., L.S. • WHITSON & POWELL INC. P.E., L.S., C.S. • E. WEBER L.S., C.S. • WILLIAM L. SAVACOOL C.E., L.S., C.S. • KELLER & POWELL P.E., L.S., C.S. • FRED J. POWELL P.E., L.S., C.S. • LOUIS MONTROSE C.E., L.S., C.S.

APPENDIX C

OCTOBER 26, 1999 NYCDDC SURVEY

IMPORTANT NOTE

The Boring Logs shown on this sheet are the result of inferences drawn by the Subsurface Exploration Section engineers or essential personnel during boring operations at the site, and from certain evidence, viz: (1) samples of subsurface materials recovered during boring operations; (2) the logs kept by the drill operator and the inspector, which contain, among other things, expression of their opinions as to the nature of subsurface materials encountered during boring operations; and (3) other records concerning the site deemed pertinent by the engineers. The driller's log, the inspector's log, the samples and the records , together with the engineer's reports, are made available for inspection and study by the bidders so that they may draw their own inferences from all of the available evidence.

Bidders are warned that in the subsurface, other than that actually penetrated by the borings, obstructions, both natural and man-made, and which are not indicated on the Boring Logs, may be encountered, and that the Boring Logs make no representations or warranties either as to the presence or absence of such obstructions, or as to their nature and extent. Where possible, borings are located to avoid all obstructions and previous construction which can be found by inspection of the surface, and the bidder is required to estimate the influence of such features from his own inspection of the site.

In addition, bidders are warned that in the subsurface other than that actually penetrated by the borings, soil or rock may vary widely, with regard to elevation, composition, texture, structure, perviousness, soundness, and other characteristics, from the descriptions given on the Boring Logs and all reports.

The "water reading", shows the elevation of water in the boring holes at the times indicated. They may or may not indicate the elevations of perched water or true ground water table during boring operations or subsequently.

EXPLANATION OF TERMS

SOIL SIZES

Description Term	Pass Sieve No.	Retained Sieve No.	Size Range
Clay	200	Atterberg Limits, Hydrometer Analysis	0.005 mm.
Silt	200	200	.005 to .074 mm.
Fine Sand	40 (#60)	200	.074 to .420 mm.
Medium Sand	10	40	.420 to 2.00 mm.
Coarse Sand	4	10	2.00 to 4.76 mm.
Gravel (fine)	—	—	4.76 mm. to 3/4"
Gravel (coarse)	—	—	3/4" to 3"
Cobble	—	—	3" to 8"
Boulder	—	—	8"+

Note: "Special F-Sand (sp) designated in the N.Y. City Building Code.

UNIFIED SYSTEMS

Group Symbols	Typical Names
GW	Well-graded gravels, gravel - sand mixtures, little fines.
GP	Poorly-graded gravels, gravel - sand mixtures, little fines.
GM	Silty gravels, gravel - sand - silt mixtures, more than 12% fines.
GC	Clayey gravels, gravel-sand-clay mixtures, more than 12% fines.
SW	Well-graded sands, gravelly sands, little fines.
SP	Poorly-graded sands, gravelly sands, little fines.
SM	Silty sands, sand - silt mixtures, more than 12% fines.
SC	Clayey sands, sand - clay mixtures, more than 12% fines.
ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
OL	Organic silts and organic silty clays of low plasticity.
MH	Inorganic silt, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
CH	Inorganic clays of high plasticity. Fat clays.
OH	Organic clays of medium to high plasticity, organic silts.
Pt	Peat and other highly organic soils.

QUANTITATIVE ESTIMATE

Secondary Components	Percentage Range
AND	35 - 50
SOME	20 - 35
LITTLE	10 - 20
TRACE	< 10

GRAIN SIZE ABBREVIATIONS

F = FINE, U = NORMAL, C = COARSE
F + F = FREQUENCY (FRACTION) e.g. F of F

The descriptive size terms in the Boring Logs were arrived at by estimate only, using standard samples for visual comparison.

These tables have been used as an approximate guide, with latitude for interpretation and subjective judgement.

EQUIPMENT

Unless otherwise noted,
Weight of Casing Hammer ____ lbs.
Weight of Sprun Hammer 140 lbs.
Size of Casing ____ Inches
Size of Sample spoon 2 Inches
Size of Core Bit ____
Type of Core Barrel ____

BORING LEGEND

a = Elevation, top of sample.
b = Elevation, bottom of sample.
c = Surface elevation.
d = Primary strata boundary and elevation.
e = Approximate or secondary strata boundary and elevation.
f = Number of blows required to drive casing through one foot of strata with casing hammer falling 5ft.
g = Numerical Classification. Refer to the N.Y. City Building Code, Sect. C 26-1102.4, Table 11-2.

Unless otherwise specified, sample spoon was driven 1.5 feet.
b = Number of Blows required to drive sample spoon for each 6" increment of penetration, with spoon hammer falling 2'0"
s = Sample Number, or -S = Missed sample.
U = Undisturbed sample.
V = Vane Sample.
P = Pushed by weight of hammer.
I = Insufficient recovery of undisturbed sample, sample cut in jar.
= Spoon Blows and or Rock Recovery for this material are below minimum Load Rating. C 26-1105.5.

R = Run number
a = Elevation, at start of core drilling
y = Elevation, at completion of Run.
w = Percentage of rock core recovered.
x = Core bit used if other than that shown.

DATUM NOTE: All Elevations refer to the Borough of BROOKLYN HIGHWAY Datum, which is 2.560 Feet above Mean Sea Level at Sandy Hook as established by the U.S. Coast & Geodetic Survey.

LOCATION PLAN
SCALE: 1"=30'

PAVEMENT CORE DATA

P.C. NO	1	2	3	4	5	6	7
ASPHALT	12"	4"	1"	5"	10"	9"	3"
CONCRETE	-	4.5"	5"	6"	4.5"	3"	4"

GROUND WATER OBSERVATIONS FOR WELLPOINT #1A

DATE	TIME	ELEVATION
12/13/99	9:00 AM	3.3

GROUND WATER OBSERVATIONS FOR WELLPOINT #9

DATE	TIME	ELEVATION
5/13/99	11:00 AM	5.6
5/14/99	9:00 AM	4.1
5/23/99	9:00 AM	4.1
5/24/99	9:00 AM	4.1
6/23/99	9:00 AM	4.1
10/13/99	9:00 AM	3.1

LEGEND
- TEST BORING
- TEST BORING (FAILED ATTEMPT)
- PREVIOUSLY DONE TEST BORING (see list on map)
- TEST BORING WITH OBSERVATION WELL
- PAVEMENT CORE
- SWAMP

NOTES:
1. BORING # 6 ABANDONED AT 39.6 FEET DUE TO GASOLINE CONTAMINATION IN THE BORING
2. NO GROUND WATER ENCOUNTERED IN BORINGS # 2 AND 3 AND 1. DURING DRILLING OPERATION. WELLPOINT #1A INSTALLED AT LATER DATE. SEE WELLPOINT READING FOR #1A

"Unauthorized alteration or addition to an engineering drawing bearing a licensed professional engineer's seal is a violation of Article 145, Section 7209, Paragraph 2 of the New York State Education Law."

(FOR REFERENCE ONLY)

CITY OF NEW YORK
DEPARTMENT OF DESIGN & CONSTRUCTION
DIVISION OF TECHNICAL SUPPORT

PREPARED BY:
BUREAU OF SITE ENGINEERING
SUBSURFACE EXPLORATION SECTION

TRUNK WATER MAIN CONNECTION TO SHAFT 20B
WASTE STREET BETWEEN SIEGEL STREET AND COOK STREET
BOROUGH OF BROOKLYN

RECORD OF BORINGS

BED-765
3091

DATE	SCALE	SHEET
2/3/00	AS SHOWN	1 OF 1

NO.	DATE	DESCRIPTIONS	APPR'D
		REVISIONS	

DRAFTSMAN WARREN BOYD
CHECKER L. MILLER, P.E.
P. PATZIE
SOIL AND ROCK ANALYSIS BY

CHIEF
SUBSURFACE EXPLORATION SECTION 10/25/99

ALFRED D. BARCENILLA P.E. & L.S.
DIRECTOR
SITE ENGINEERING

JOHN L. EICHLER P.E.
DEPUTY ASSISTANT COMMISSIONER
DIVISION OF TECHNICAL SUPPORT

MARK A. GABU
ASSISTANT COMMISSIONER
DIVISION OF TECHNICAL SUPPORT

3091

APPENDIX D
PHOTO LOG

COOPER TANK AND WELDING CORPORATION
FIELD INVESTIGATION REPORT
215 MOORE STREET
BROOKLYN, NEW YORK

Photo 1- General investigation area- Northwest corner of Moore Street and White Street adjacent to Cooper Tank and Welding Corp.

Photo 2- Location of SB-SE-8. View facing South on the West side of White Street.

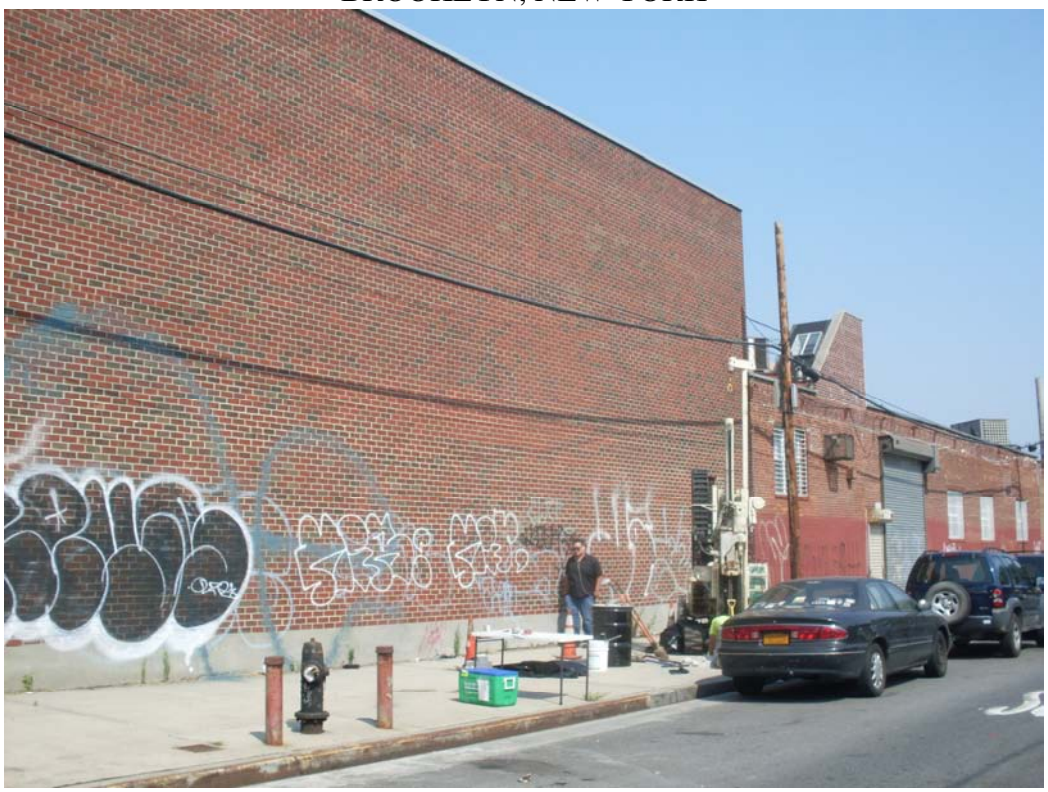


Photo 3- SB-SE-10 was the northernmost boring location on the West side of White Street.

Photo 4- Example of historic urban fill that was consistently documented directly under the sidewalk areas while hand clearing to five feet below ground surface (bgs).

Photo 5- Example of coal ash that was documented in the fill material associated with the sidewalk locations on White Street. Coal ash is a common component of historic urban fill.

Photo 6- Location of SB-SE-7 towards the southeastern corner inside Lot 47.

Photo 7- View of uppermost soil column at SB-SE-7 location. Note the reinforced concrete slab and the fraction of crushed red brick in the uppermost fill material.

Photo 8- Varying degrees of saturation were noted below the groundwater table due to the fractions of clay present in the soil column. Note the stiff clay present in the 15-20' soil core.

COOPER TANK AND WELDING CORPORATION
FIELD INVESTIGATION REPORT
215 MOORE STREET
BROOKLYN, NEW YORK

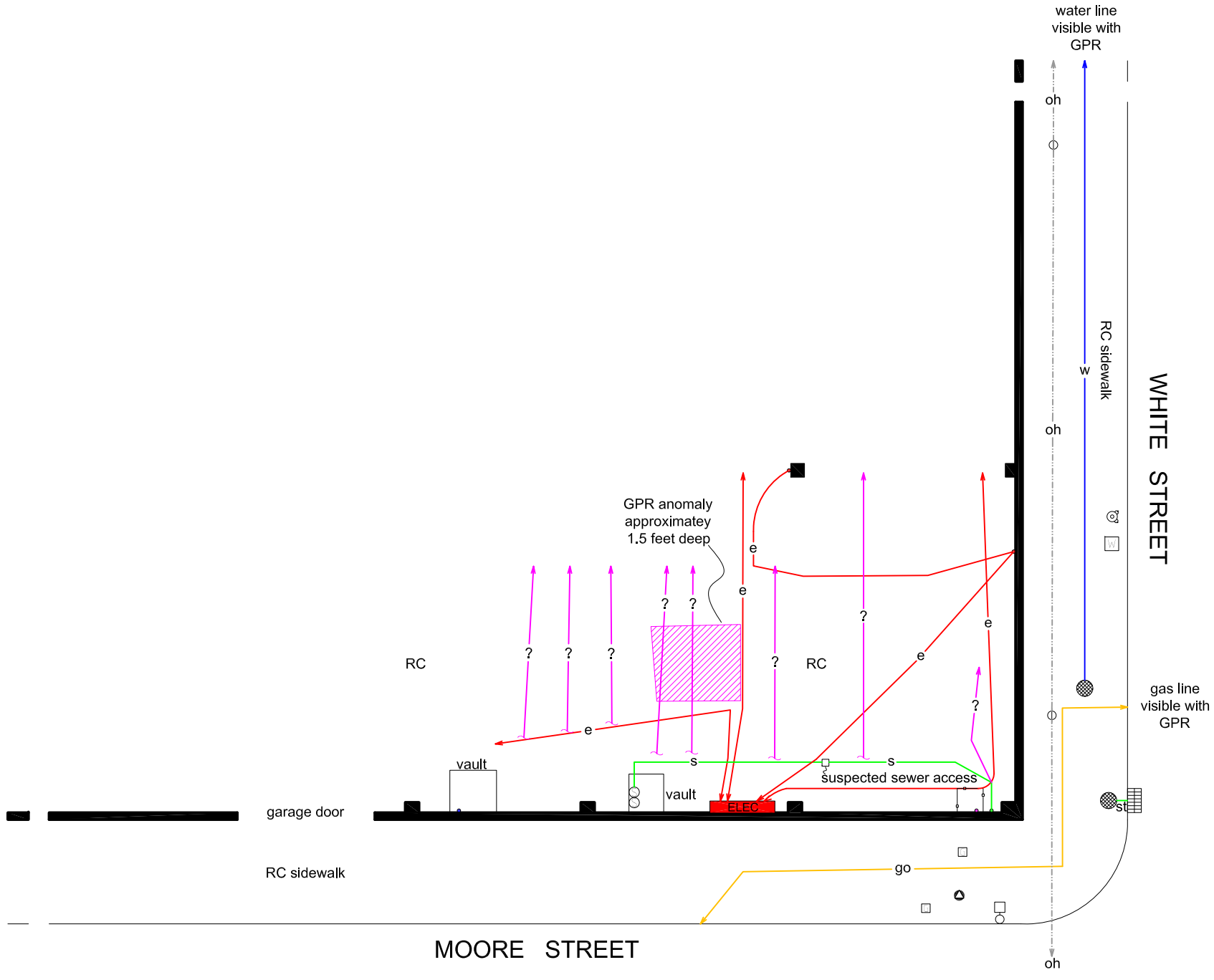
Photo 9- Hand clearing location of SB-SE-9- the northern-most location inside Lot 47.

Photo 10- Preparing to break ground at location of SB-SE-11- the western-most location inside Lot 47.

Photo 11- Example of equipment used for low flow groundwater sampling.

Photo 12- Drums of investigation derived waste (IDW) stored at the property and awaiting disposal, pending laboratory analytical results.

APPENDIX E
GEOPHYSICAL MAP



LEGEND

- e — electric line
- w — water line
- go — natural gas line marked by others
- st — storm sewer
- s — sewer line
- oh — overhead line
- ? — suspected utility
- metal barrier
- GPR anomaly
- catch basin
- manhole cover
- monitoring well
- sewer cleanout
- water line
- roof drain
- electrical conduit
- unknown pipe
- gas valve
- utility pole
- street light
- fire hydrant
- water valve
- RC — reinforced concrete

approximately

20 10 0 10 20 ft

Scale: One inch equals approximately twenty feet

NAEVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

225 N. Route 303, Suite 102
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 1- Results of a Geophysical Investigation conducted at
Cooper Tank & Welding
215 Moore Street in Brooklyn, New York

Client	Gannett Fleming, Inc.	Date of Work	April 27, 2011
Project No.	C1104271A	Map By	Frank J. Amorosana

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

APPENDIX F
BORING LOGS

SOIL BORING LOG

Client: Cooper Tank & Welding Corporation		Boring No.: SB-SE-7	Gannett Fleming Engineers, P.C. 100 Crossways Park Dr. W. Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 53319.006		Sheet 1 of 1	
Site Location: 215 Moore Street, Brooklyn NY		Date: 7/21/2011	
Drilling Co: Fenley and Nicol (FN)		Location of boring:	
Method: Direct Push Geoprobe		Southeastern-most boring inside Lot 47	
Personnel: S. Narod (GF); M. Smith (FN)			
Total Depth: 21.5'	Depth to Water: 7.56'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	N/A		0-12"	Dry	N/A	Concrete reinforced with rebar	No odor, no stain
1	31.2	N/A		1-2'	Dry	N/A	Brown F-C Sand And F-M GRAVEL, some crushed red brick, trace paper debris	No odor, no stain
2	110.0	N/A		2-3'	Dry	N/A	Dark Brown F-C Sand And F-M GRAVEL, some crushed red brick, trace F Cobbles	No odor, no stain
3	486.0	N/A		3-4'	Light Moisture	N/A	Dark Brown F-C Sand And F-M GRAVEL, some crushed red brick, trace F Cobbles	Petroleum odor, no stain
4	878.0	N/A		4-5'	Light Moisture	N/A	Dark Brown F-C Sand And F-M GRAVEL, some crushed red brick, trace F Cobbles	Petroleum odor, no stain **Hand Cleared to 5'**
5	1361.0	N/A	SB-SE-7S 5-7.75'	5-10'	Moist	48/60"	Brown/Dark Brown F-C SANDAnd F-M SILT And CLAY, little F-C Gravel	Petroleum odor, possible stain
6								
7								
8	1223.0				Moist		Black F-C Sand And SILT, trace F Gravel	Petroleum odor, possible stain
9	1181.0						Black/Gray CLAY, trace F Silt	Petroleum odor, possible stain
10					Moist		Dark Gray CLAY, trace F Sand and Silt	Petroleum odor, no stain
11	940.0	N/A		10-15'	Very Moist	48/60"	Gray/Dark Gray CLAY, trace F-M Sand and Silt	Petroleum odor, no stain
12								
13	1006				Saturated		Gray/Orange/Brown F-C SAND, little F Silt and Clay, trace F Gravel	Petroleum odor, no stain
14								
15	263.0				Moist		Brown CLAY, trace F Sand and Silt	No odor, no stain
16	107.0	N/A		15-20'	Moist	44/60"	Light Brown CLAY, trace F Sand and F Silt	No odor, no stain
17	26.8							
18								
19	8.1							
20								
21	7.5	N/A	SB-SE-7D 20-21.5'	20-21.5'		18/18"	Light Brown/Gray CLAY, some F-M Sand and Silt	No odor, no stain Refusal at 21.5' BGS
22								***End of boring at 21.5' BGS*** **Monitoring well set at 19' BGS**
23								
24								
25								

SOIL BORING LOG

Client: Cooper Tank & Welding Corporation		Boring No.: SB-SE-8	Gannett Fleming Engineers, P.C. 100 Crossways Park Dr. W. Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 53319.006		Sheet 1 of 1	
Site Location: 215 Moore Street, Brooklyn NY		Date: 7/19/2011	
Drilling Co: Fenley and Nicol (FN)		Location of boring:	
Method: Direct Push Geoprobe		Sidewalk area east of Lot 47	
Personnel: S. Narod (GF); M. Smith (FN)			
Total Depth: 24'	Depth to Water: 6.31'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	N/A		0-7"	Dry	N/A	Concrete	No odor, no stain
	0.0	N/A		7"-1'	Dry	N/A	Brown/Gray F-M SAND, little F-M Gravel, trace crushed red brick	No odor, no stain
1	125.0	N/A		1-2'	Slightly Moist	N/A	Dark Brown M-C SAND, little Clay, trace F-M Gravel, trace crushed red brick	Petroleum odor, no stain
2	181.0	N/A		2-3'	Slightly Moist	N/A	Dark Brown/Brown M-C SAND, little Clay, trace F-M Gravel	Petroleum odor, no stain
3	1380.0	N/A		3-4'	Moist	N/A	Brown/Orange F-C SAND, little F-gravel, trace crushed red brick, trace Clay	Petroleum odor, stain
4	1820.0	N/A	SB-SE-8S 4-5'	4-5'	Very Moist	N/A	Dark Brown/Brown F-C SAND, trace Clay, trace crushed red brick	Petroleum odor, stain **Hand Cleared to 5'**
5	1524.0	N/A		5-10'	Very Moist Saturated	60/60"	Dark Brown F-C SAND, trace F Silt, trace Slag	Petroleum odor, possible stain Groundwater at ~6'
6	674.0				Moist		Dark Brown CLAY, trace F-C Sand, trace F-Silt	Petroleum odor, possible stain
7								
8	996.0				Moist		Gray CLAY, trace F-C Sand	Petroleum odor, no stain
9								
10	1471.0	N/A		10-15'	Saturated	60/60"	Dark Brown/Gray F-C SAND, trace Clay, trace F-Silt	Petroleum odor, no stain
11	254.0				Moist		Gray CLAY, trace F Sand	No odor, no stain
12								
13	24.2				Saturated		Gray F-C SAND, trace Clay	No odor, no stain
14								
15	14.5	N/A		15-20'		48/60"	Brown/Orange CLAY, trace F Sand	No odor, no stain
16	22.6							
17								
18	21.3							
19								
20	38.8	N/A		20-24'		48/48"	Light Brown/Gray/Orange CLAY, trace F Sand	No odor, no stain
21								
22	0.4		SB-SE-8D 22-24'					
23								
24								***End of boring at 24' BGS*** **Monitoring well set at 18' BGS**
25								

SOIL BORING LOG

Client: Cooper Tank & Welding Corporation		Boring No.: SB-SE-9	Gannett Fleming Engineers, P.C. 100 Crossways Park Dr. W. Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 53319.006		Sheet 1 of 1	
Site Location: 215 Moore Street, Brooklyn NY		Date: 7/22/2011	
Drilling Co: Fenley and Nicol (FN)		Location of boring:	
Method: Direct Push Geoprobe		Northeastern-most boring inside Lot 47	
Personnel: S. Narod (GF); M. Smith (FN)			
Total Depth: 20'	Depth to Water: ~7-8'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	N/A		0-12"	Dry	N/A	Concrete reinforced with rebar	No odor, no stain
1	0.5	N/A		1-2'	Dry	N/A	Brown F-M Sand And F SILT, some F-M Gravel and crushed Concrete	No odor, no stain
2	0.9	N/A		2-3'	Dry	N/A	Dark Brown F-M SAND, some crushed red brick, little F-C Gravel, trace F-M Silt	No odor, no stain
3	19.6	N/A		3-4'	Dry	N/A	Dark Brown/Black F-M SAND, some crushed red brick, little F-C Gravel, trace F-M Silt	No odor, no stain
4	12.9	N/A		4-5'	Dry	N/A	Dark Brown/Black/Gray F-M SAND, some crushed red brick, little F-C Gravel, trace F-M Silt	No odor, no stain **Hand Cleared to 5'**
5	14.7	N/A		5-10'	Light moisture	39/60"	Dark/Light Brown/Gray F-M SAND And SILT, some F-M Gravel	No odor, no stain
6								
7	374.0				Very Moist		Brown/Dark Brown/Gray F-C Sand, some F-M Gravel, trace clay, F-Silt, and crushed red brick	No odor, no stain
8	602.0				Moist		Gray/Black CLAY, little F-M Sand, trace F Silt, trace peat	Petroleum odor, no stain
9	971.0				Light moisture		Dark Gray/Gray CLAY, some F-M Sand	No odor, no stain
10	941.0	N/A		10-15'	Saturated	60/60"	Gray/Dark Gray SAND, some Clay, trace F-M Gravel	Petroleum odor, no stain
11								
12	85.4				Light moisture		Light Brown CLAY, trace F Silt and Sand	Petroleum odor, no stain
13	1055.0		SB-SE-9S 13-15'					
14								
15	97.2	N/A		15-20'	Light moisture	51/60"	Light Gray CLAY, trace F Sand and F Silt	No odor, no stain
16								
17	36.4							
18								
19	5.4		SB-SE-9D 18.5-20'					
20								Refusal at 20' BGS ***End of boring at 20' BGS*** **Monitoring well set at 19' BGS**
21								
22								
23								
24								
25								

SOIL BORING LOG

Client: Cooper Tank & Welding Corporation		Boring No.: SB-SE-10	Gannett Fleming Engineers, P.C. 100 Crossways Park Dr. W. Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 53319.006		Sheet 1 of 1	
Site Location: 215 Moore Street, Brooklyn NY		Date: 7/20/2011	
Drilling Co: Fenley and Nicol (FN)		Location of boring:	
Method: Direct Push Geoprobe		Sidewalk area east of Lot 47, north of SB-SE-8	
Personnel: S. Narod (GF); M. Smith (FN)			
Total Depth: 24'	Depth to Water: ~6'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	N/A		0-8"	Dry	N/A	Concrete	No odor, no stain
	0.0	N/A		8"-1'	Dry	N/A	Dark Brown M-C SAND, And F GRAVEL, Some M Silt, little Asphalt/Coal ash	No odor, no stain
1	0.2	N/A		1-2'	Dry	N/A	Brown/Orange F-C SAND AND F-C GRAVEL, trace F-Cobbles	No odor, no stain
2	0.2	N/A		2-3'	Dry	N/A	Brown/Orange F-C SAND AND F-C GRAVEL, trace F-Cobbles, trace Coal ash	No odor, no stain
3	0.2	N/A		3-4'	Light Moisture	N/A	Brown/Dark Brown F-C SAND, some F-gravel, trace F Silt, Clay, and Coal ash	No odor, no stain
4	1.1	N/A		4-5'	Very Moist	N/A	Brown/Dark Brown F-C SAND, some F-gravel, trace F Silt, Clay, and Coal ash	No odor, no stain **Hand Cleared to 5'**
5	35.7	N/A		5-10'	Saturated	48/60"	Brown/Dark Brown F-C SAND, some F-gravel, trace F Silt, Clay, and Coal ash	No odor, no stain Groundwater at ~5'
6	98.8				Moist		Dark Brown/Gray CLAY, trace F Sand and Silt	Petroleum odor, no stain
7	743.0		SB-SE-10S 7-8.75'		Moist		Light Gray/Brown CLAY, trace F Sand and Silt	Petroleum odor, no stain
8								
9	662.0				Saturated		Gray F SAND, trace F Silt and Clay	Petroleum odor, no stain
10	265.0	N/A		10-15'	Saturated	60/60"	Gray/Brown F-C SAND, little F Gravel, trace Clay	No odor, no stain
11								
12	397				Saturated		Gray/Brown F-M SAND, trace F Silt and Clay	Petroleum odor, no stain
13	49.2				Moist		Gray/Brown F-C Sand AND CLAY, trace F Silt	Petroleum odor, no stain
14	31.8				Very Moist		Gray CLAY, trace F Sand and Silt	No odor, no stain
15	9.0	N/A		15-20'	Saturated	44/60"	Gray CLAY, trace F Sand, F Silt, and C Gravel	No odor, no stain
16								
17								
18	1.5				Saturated		Gray/Brown F-C SAND, some Clay, little F-M Gravel, trace F Silt	No odor, no stain
19								
20	1.2	N/A		20-24'		30/60"	Gray/Brown F-C SAND, some Clay, little F-M Gravel, trace F Silt, trace crushed F Cobble	No odor, no stain
21								
22	0.4		SB-SE-10D 22-24'				Brown/Orange F-C SAND, some F-M Gravel, trace F Silt	No odor, no stain
23								
24								***End of boring at 24' BGS***
25								**Monitoring well set at 18' BGS**

SOIL BORING LOG

Client: Cooper Tank & Welding Corporation		Boring No.: SB-SE-11	Gannett Fleming Engineers, P.C. 100 Crossways Park Dr. W. Ste 300 Woodbury, NY 11797 (516) 364-4140
Project # : 53319.006		Sheet 1 of 1	
Site Location: 215 Moore Street, Brooklyn NY		Date: 7/25/2011	
Drilling Co: Fenley and Nicol (FN)		Location of boring:	
Method: Direct Push Geoprobe		Northwestern-most boring inside Lot 47	
Personnel: S. Narod (GF); M. Smith (FN)			
Total Depth: 25'	Depth to Water: ~7-8'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery	Soil Classification	Remarks
	0.0	N/A		0-12"	Dry	N/A	Concrete reinforced with rebar	No odor, no stain
1	3.3	N/A		1-2'	Dry	N/A	Gray/Black/Brown F-M SAND And F-M SILT, some crushed concrete, little crushed red brick	No odor, no stain
2		N/A		2-3'	Dry	N/A		
3	22.7	N/A	SB-SE-11S 2.5-3.5'	3-4'	Dry	N/A	Gray/Black F-M SAND And SILT, little F-M gravel, trace F Cobbles and crushed red brick	No odor, no stain
4	14.5	N/A		4-5'	Dry	N/A		**Hand Cleared to 5'**
5	12.3	N/A		5-10'	Light moisture	48/60"	Dark/Light Brown F-C SAND And SILT, some Clay, little F-C Gravel, trace crushed concrete	No odor, no stain
6					Moist			
7	10.1				Moist		Dark Brown/Gray CLAY, trace F Sand And Silt, trace Peat	No odor, no stain
8								
9	2.1							
10	10.8	N/A		10-15'	Very moist	60/60"	Dark Brown/Black F-C SAND And SILT And Clay	No odor, no stain
11	0.3				Saturated		Gray F-M SAND, trace F Silt	No odor, no stain
12					Very moist		Gray CLAY, trace F Sand	No odor, no stain
					Saturated		Gray F-M SAND, trace F Silt	
13	0.0				Saturated		Gray F-M SAND, little Clay, trace F Silt	No odor, no stain
14					Very moist		Brown CLAY, trace F Sand And Silt	No odor, no stain
15	0.3	N/A		15-20'	Very moist	60/60"	Brown/Gray CLAY, trace F-M Sand And Silt	No odor, no stain
16								
17	0.3				Saturated		Brown F-M SAND, little Clay, trace F Silt	No odor, no stain
18								
19								
20	0.4			20-25'	Saturated	32/60"	Brown/Orange F-C SAND, some F-C Gravel, little Clay, trace F Silt	No odor, no stain
21								
22	0.3		SB-SE-11D 22.5-25'					
23								
24								
25								***End of boring at 20' BGS*** **Monitoring well set at 18' BGS**

APPENDIX G
LABORATORY RESULTS (ON CD)

(stored separately)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-16087-1

Job Description: Cooper Tank

For:
Gannett Fleming
100 Crossways Park West
Suite 300
Woodbury, NY 11797

Attention: Mr. Scott Narod

Approved for release.
Cheryl Cascella
Project Manager I
8/8/2011 1:57 PM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
08/08/2011

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

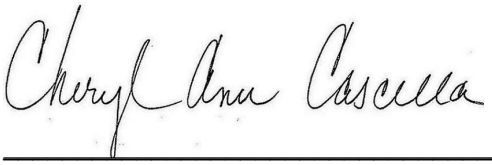
TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Number: 220-16087-1

Job Description: Cooper Tank

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Cheryl Cascella
Project Manager I
8/8/2011 1:57 PM

Designee for
Jackie Trudell

Table of Contents

Table of Contents

Comments
No additional comments.

Receipt
8oz soil jar received without the sample ID listed on the container label. The sample ID was observed on the container lid. Client instructed the lab to proceed with analysis.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

(Ax)(IS)(DF)
(AIS)(RRF)(V)(% solids) = C

(AX)(IS)(VT)(1000)(DF)
(AIS)(RRF)(VA)(V)(% solids) = C (for medium level soils)

SemiVolatiles

(AX)(IS)(VE)(DF)(GPC factor is 2 if needed)
(AIS)(RRF)(volume injected)(V)(% solids) = C

Pesticides

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

PCBs for compound/retention time

(AX)(VE)(DF)
(RRF of compound at the stated retention time)(V)(% solids)(volume injected) = C

DRO/CTETPH

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

AX = area of the target Ion
AIS = Area of Internal standard
C = concentration as ug/L or ug/Kg
DF = dilution
IS = Internal standard concentration (ng)
RRF = average RF (from initial cal except CLP methods from continuing cal)
V = sample volume for liquids in mls or sample weight for solids in grams
VA = volume of aliquot for medium level soils
VE = volume of concentrated extract
VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Gannett Fleming

Job Number: 220-16087-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-16087-1	SB SE-9-S 13'-15'	Solid	07/22/2011 1015	07/22/2011 1715
220-16087-2	SB SE-9-D 18.5'-20'	Solid	07/22/2011 1100	07/22/2011 1715

EXECUTIVE SUMMARY - Detections

Client: Gannett Fleming

Job Number: 220-16087-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-16087-1	**SB SE-9-S 13'-15'**					
Methylene Chloride		11	J B	25	ug/Kg	8260B
Acetone		26		25	ug/Kg	8260B
2-Butanone (MEK)		13		12	ug/Kg	8260B
Benzene		32		6.2	ug/Kg	8260B
Toluene		3.6	J	6.2	ug/Kg	8260B
Ethylbenzene		91		6.2	ug/Kg	8260B
Isopropylbenzene		13		6.2	ug/Kg	8260B
N-Propylbenzene		29		6.2	ug/Kg	8260B
1,3,5-Trimethylbenzene		58		6.2	ug/Kg	8260B
1,2,4-Trimethylbenzene		240		6.2	ug/Kg	8260B
sec-Butylbenzene		2.7	J	6.2	ug/Kg	8260B
p-Isopropyltoluene		1.6	J	6.2	ug/Kg	8260B
Naphthalene		73		6.2	ug/Kg	8260B
Xylenes, Total		180		6.2	ug/Kg	8260B
m&p-Xylene		170		6.2	ug/Kg	8260B
o-Xylene		11		6.2	ug/Kg	8260B
Naphthalene		510		330	ug/Kg	8270C
Percent Moisture		19.7		0.10	%	Moisture
Percent Solids		80.3		0.10	%	Moisture
220-16087-2	**SB SE-9-D 18.5'-20'**					
Methylene Chloride		13	J B	24	ug/Kg	8260B
Benzene		61		6.0	ug/Kg	8260B
Toluene		7.4		6.0	ug/Kg	8260B
Ethylbenzene		49		6.0	ug/Kg	8260B
Isopropylbenzene		7.7		6.0	ug/Kg	8260B
N-Propylbenzene		16		6.0	ug/Kg	8260B
1,3,5-Trimethylbenzene		32		6.0	ug/Kg	8260B
1,2,4-Trimethylbenzene		130		6.0	ug/Kg	8260B
sec-Butylbenzene		1.2	J	6.0	ug/Kg	8260B
Naphthalene		24		6.0	ug/Kg	8260B
Xylenes, Total		210		6.0	ug/Kg	8260B
m&p-Xylene		180		6.0	ug/Kg	8260B
o-Xylene		32		6.0	ug/Kg	8260B
Naphthalene		170	J	320	ug/Kg	8270C
Percent Moisture		16.6		0.10	%	Moisture
Percent Solids		83.4		0.10	%	Moisture

METHOD SUMMARY

Client: Gannett Fleming

Job Number: 220-16087-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Gannett Fleming

Job Number: 220-16087-1

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Bouthot, Agnieszka	AB

Client: Gannett Fleming

Job Number: 220-16087-1

Client Sample ID: **SB SE-9-S 13'-15'**

Lab Sample ID: 220-16087-1
Client Matrix: Solid
% Moisture: 19.7

Date Sampled: 07/22/2011 1015
Date Received: 07/22/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B
Prep Method: 5030B
Dilution: 1.0
Analysis Date: 07/27/2011 2024
Prep Date: 07/27/2011 2024

Analysis Batch: 220-53434
Prep Batch: N/A

Instrument ID: MSN
Lab File ID: N4017.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		6.2	U	0.97	6.2
Vinyl chloride		6.2	U	0.29	6.2
Bromomethane		6.2	U	2.6	6.2
Chloroethane		6.2	U	1.2	6.2
1,1-Dichloroethene		6.2	U	0.72	6.2
Carbon disulfide		6.2	U	0.51	6.2
Methylene Chloride		11	J B	1.4	25
Acetone		26		2.8	25
trans-1,2-Dichloroethene		6.2	U	0.49	6.2
1,1-Dichloroethane		6.2	U	0.37	6.2
cis-1,2-Dichloroethene		6.2	U	0.46	6.2
Chloroform		6.2	U	0.42	6.2
1,1,1-Trichloroethane		6.2	U	0.66	6.2
Carbon tetrachloride		6.2	U	1.2	6.2
2-Butanone (MEK)		13		2.0	12
Benzene		32		0.71	6.2
1,2-Dichloroethane		6.2	U	0.72	6.2
Trichloroethene		6.2	U	1.0	6.2
Dibromomethane		6.2	U	0.80	6.2
1,2-Dichloropropane		6.2	U	0.83	6.2
Bromodichloromethane		6.2	U	0.37	6.2
cis-1,3-Dichloropropene		6.2	U	0.70	6.2
trans-1,3-Dichloropropene		6.2	U	0.34	6.2
1,1,2-Trichloroethane		6.2	U	0.46	6.2
Toluene		3.6	J	0.092	6.2
methyl isobutyl ketone		6.2	U	0.68	6.2
Tetrachloroethene		6.2	U	1.0	6.2
2-Hexanone		12	U	1.5	12
Chlorobenzene		6.2	U	0.73	6.2
1,1,1,2-Tetrachloroethane		6.2	U	0.65	6.2
Ethylbenzene		91		0.87	6.2
Styrene		6.2	U	0.19	6.2
Bromoform		6.2	U	0.76	6.2
Isopropylbenzene		13		0.24	6.2
N-Propylbenzene		29		0.76	6.2
1,3,5-Trimethylbenzene		58		0.62	6.2
tert-Butylbenzene		6.2	U	0.36	6.2
1,2,4-Trimethylbenzene		240		0.95	6.2
sec-Butylbenzene		2.7	J	0.66	6.2
p-Isopropyltoluene		1.6	J	0.66	6.2
n-Butylbenzene		6.2	U	1.4	6.2
Naphthalene		73		0.36	6.2
Xylenes, Total		180		0.61	6.2
m&p-Xylene		170		0.44	6.2
o-Xylene		11		0.24	6.2
Methyl tert-butyl ether		6.2	U	0.26	6.2

Client: Gannett Fleming | Job Number: 220-16087-1

Client Sample ID: **SB SE-9-S 13'-15'**

Lab Sample ID: 220-16087-1 | Date Sampled: 07/22/2011 1015
Client Matrix: Solid | % Moisture: 19.7 | Date Received: 07/22/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4017.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 2024			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 2024				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		59 - 132
4-Bromofluorobenzene	99		34 - 124
Dibromofluoromethane	84		59 - 123
Toluene-d8 (Surr)	89		50 - 118

Client: Gannett Fleming | Job Number: 220-16087-1

Client Sample ID: **SB SE-9-D 18.5'-20'**

Lab Sample ID: 220-16087-2 | Date Sampled: 07/22/2011 1100
Client Matrix: Solid | % Moisture: 16.6 | Date Received: 07/22/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4018.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 2050			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 2050				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		6.0	U	0.94	6.0
Vinyl chloride		6.0	U	0.28	6.0
Bromomethane		6.0	U	2.5	6.0
Chloroethane		6.0	U	1.2	6.0
1,1-Dichloroethene		6.0	U	0.70	6.0
Carbon disulfide		6.0	U	0.49	6.0
Methylene Chloride		13	J B	1.3	24
Acetone		24	U	2.7	24
trans-1,2-Dichloroethene		6.0	U	0.47	6.0
1,1-Dichloroethane		6.0	U	0.36	6.0
cis-1,2-Dichloroethene		6.0	U	0.44	6.0
Chloroform		6.0	U	0.41	6.0
1,1,1-Trichloroethane		6.0	U	0.64	6.0
Carbon tetrachloride		6.0	U	1.1	6.0
2-Butanone (MEK)		12	U	1.9	12
Benzene		61		0.68	6.0
1,2-Dichloroethane		6.0	U	0.70	6.0
Trichloroethene		6.0	U	0.97	6.0
Dibromomethane		6.0	U	0.77	6.0
1,2-Dichloropropane		6.0	U	0.80	6.0
Bromodichloromethane		6.0	U	0.36	6.0
cis-1,3-Dichloropropene		6.0	U	0.67	6.0
trans-1,3-Dichloropropene		6.0	U	0.32	6.0
1,1,2-Trichloroethane		6.0	U	0.44	6.0
Toluene		7.4		0.089	6.0
methyl isobutyl ketone		6.0	U	0.66	6.0
Tetrachloroethene		6.0	U	0.97	6.0
2-Hexanone		12	U	1.4	12
Chlorobenzene		6.0	U	0.71	6.0
1,1,1,2-Tetrachloroethane		6.0	U	0.62	6.0
Ethylbenzene		49		0.84	6.0
Styrene		6.0	U	0.18	6.0
Bromoform		6.0	U	0.73	6.0
Isopropylbenzene		7.7		0.23	6.0
N-Propylbenzene		16		0.73	6.0
1,3,5-Trimethylbenzene		32		0.60	6.0
tert-Butylbenzene		6.0	U	0.35	6.0
1,2,4-Trimethylbenzene		130		0.91	6.0
sec-Butylbenzene		1.2	J	0.64	6.0
p-Isopropyltoluene		6.0	U	0.64	6.0
n-Butylbenzene		6.0	U	1.4	6.0
Naphthalene		24		0.35	6.0
Xylenes, Total		210		0.58	6.0
m&p-Xylene		180		0.42	6.0
o-Xylene		32		0.23	6.0
Methyl tert-butyl ether		6.0	U	0.25	6.0

Client: Gannett Fleming

Job Number: 220-16087-1

Client Sample ID: **SB SE-9-D 18.5'-20'**

Lab Sample ID: 220-16087-2
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 07/22/2011 1100
Date Received: 07/22/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4018.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 2050			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 2050				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		59 - 132
4-Bromofluorobenzene	100		34 - 124
Dibromofluoromethane	88		59 - 123
Toluene-d8 (Surr)	93		50 - 118

Client: Gannett Fleming | Job Number: 220-16087-1

Client Sample ID: **SB SE-9-S 13'-15'**

Lab Sample ID: 220-16087-1 | Date Sampled: 07/22/2011 1015
Client Matrix: Solid | % Moisture: 19.7 | Date Received: 07/22/2011 1715

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	220-53551	Instrument ID:	MSU
Prep Method:	3541	Prep Batch:	220-53507	Lab File ID:	U6127.D
Dilution:	1.0			Initial Weight/Volume:	15.06 g
Analysis Date:	08/02/2011 2122			Final Weight/Volume:	1 mL
Prep Date:	08/01/2011 1436			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		510		17	330
Acenaphthene		330	U	20	330
Fluorene		330	U	20	330
Phenanthrene		330	U	16	330
Anthracene		330	U	13	330
Pyrene		330	U	16	330
Benzo[a]anthracene		330	U	12	330
Chrysene		330	U *	25	330
Benzo[b]fluoranthene		330	U	8.9	330
Benzo[k]fluoranthene		330	U	30	330
Benzo[a]pyrene		330	U	9.1	330
Indeno[1,2,3-cd]pyrene		330	U	22	330
Dibenz(a,h)anthracene		330	U	26	330
Benzo[g,h,i]perylene		330	U	22	330
Fluoranthene		330	U	17	330
Acenaphthylene		330	U	16	330

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	87		38 - 120
2-Fluorobiphenyl	60		41 - 120
Terphenyl-d14	54		32 - 125

Client: Gannett Fleming | Job Number: 220-16087-1

Client Sample ID: **SB SE-9-D 18.5'-20'**

Lab Sample ID: 220-16087-2 | Date Sampled: 07/22/2011 1100
Client Matrix: Solid | % Moisture: 16.6 | Date Received: 07/22/2011 1715

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	220-53551	Instrument ID:	MSU
Prep Method:	3541	Prep Batch:	220-53507	Lab File ID:	U6128.D
Dilution:	1.0			Initial Weight/Volume:	15.07 g
Analysis Date:	08/02/2011 2150			Final Weight/Volume:	1 mL
Prep Date:	08/01/2011 1436			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		170	J	17	320
Acenaphthene		320	U	19	320
Fluorene		320	U	19	320
Phenanthrene		320	U	16	320
Anthracene		320	U	13	320
Pyrene		320	U	15	320
Benzo[a]anthracene		320	U	11	320
Chrysene		320	U *	24	320
Benzo[b]fluoranthene		320	U	8.6	320
Benzo[k]fluoranthene		320	U	29	320
Benzo[a]pyrene		320	U	8.7	320
Indeno[1,2,3-cd]pyrene		320	U	21	320
Dibenz(a,h)anthracene		320	U	25	320
Benzo[g,h,i]perylene		320	U	21	320
Fluoranthene		320	U	16	320
Acenaphthylene		320	U	16	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	62		38 - 120
2-Fluorobiphenyl	59		41 - 120
Terphenyl-d14	45		32 - 125

General Chemistry

Client Sample ID: **SB SE-9-S 13'-15'**

Lab Sample ID: 220-16087-1 Date Sampled: 07/22/2011 1015
Client Matrix: Solid Date Received: 07/22/2011 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53239	Analysis Date: 07/25/2011 1037						DryWt Corrected: N
Percent Solids	80.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53239	Analysis Date: 07/25/2011 1037						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB SE-9-D 18.5'-20'**

Lab Sample ID: 220-16087-2 Date Sampled: 07/22/2011 1100
Client Matrix: Solid Date Received: 07/22/2011 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53239	Analysis Date: 07/25/2011 1037						DryWt Corrected: N
Percent Solids	83.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53239	Analysis Date: 07/25/2011 1037						DryWt Corrected: N

Client: Gannett Fleming

Job Number: 220-16087-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
220-16087-1	SB SE-9-S 13'-15'	84	86	89	99
220-16087-2	SB SE-9-D 18.5'-20'	88	89	93	100
MB 220-53434/3		83	83	89	97
LCS 220-53434/2		91	88	94	102

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	59-123
DCA = 1,2-Dichloroethane-d4 (Surr)	59-132
TOL = Toluene-d8 (Surr)	50-118
BFB = 4-Bromofluorobenzene	34-124

Client: Gannett Fleming

Job Number: 220-16087-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
220-16087-1	SB SE-9-S 13'-15'	87	60	54
220-16087-2	SB SE-9-D 18.5'-20'	62	59	45
MB 220-53507/1-A		73	61	81
LCS 220-53507/2-A		63	62	96

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-120
FBP = 2-Fluorobiphenyl	41-120
TPH = Terphenyl-d14	32-125

Client: Gannett Fleming

Job Number: 220-16087-1

Method Blank - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53434/3	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N4001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1224	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1224				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	5.0	U	0.78	5.0
Vinyl chloride	5.0	U	0.23	5.0
Bromomethane	5.0	U	2.1	5.0
Chloroethane	5.0	U	0.98	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
Carbon disulfide	5.0	U	0.41	5.0
Methylene Chloride	5.03	J	1.1	20
Acetone	20	U	2.2	20
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
Chloroform	5.0	U	0.34	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
Carbon tetrachloride	5.0	U	0.95	5.0
2-Butanone (MEK)	10	U	1.6	10
Benzene	5.0	U	0.57	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
Trichloroethene	5.0	U	0.81	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
Bromodichloromethane	5.0	U	0.30	5.0
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Toluene	5.0	U	0.074	5.0
methyl isobutyl ketone	5.0	U	0.55	5.0
Tetrachloroethene	5.0	U	0.81	5.0
2-Hexanone	10	U	1.2	10
Chlorobenzene	5.0	U	0.59	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
Ethylbenzene	5.0	U	0.70	5.0
Styrene	5.0	U	0.15	5.0
Bromoform	5.0	U	0.61	5.0
Isopropylbenzene	5.0	U	0.19	5.0
N-Propylbenzene	5.0	U	0.61	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
p-Isopropyltoluene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
Naphthalene	5.0	U	0.29	5.0
Xylenes, Total	5.0	U	0.49	5.0
m&p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U	0.19	5.0

Client: Gannett Fleming

Job Number: 220-16087-1

Method Blank - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53434/3	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N4001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1224	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1224				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	5.0	U	0.21	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	59 - 132
4-Bromofluorobenzene	97	34 - 124
Dibromofluoromethane	83	59 - 123
Toluene-d8 (Surr)	89	50 - 118

Client: Gannett Fleming

Job Number: 220-16087-1

Lab Control Sample - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53434/2	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N3998.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	16.5	82	69 - 143	
Vinyl chloride	20.0	17.8	89	70 - 137	
Bromomethane	20.0	27.1	136	83 - 150	
Chloroethane	20.0	21.2	106	54 - 150	
1,1-Dichloroethene	20.0	18.9	94	80 - 144	
Carbon disulfide	20.0	16.6	83	80 - 142	
Methylene Chloride	20.0	20.4	102	68 - 147	
Acetone	20.0	23.7	119	80 - 150	
trans-1,2-Dichloroethene	20.0	19.7	99	50 - 149	
1,1-Dichloroethane	20.0	18.8	94	78 - 130	
cis-1,2-Dichloroethene	20.0	19.4	97	80 - 122	
Chloroform	20.0	19.5	98	74 - 142	
1,1,1-Trichloroethane	20.0	18.9	95	80 - 136	
Carbon tetrachloride	20.0	18.0	90	80 - 137	
2-Butanone (MEK)	20.0	22.3	111	80 - 150	
Benzene	20.0	18.8	94	80 - 133	
1,2-Dichloroethane	20.0	20.0	100	76 - 130	
Trichloroethene	20.0	17.7	89	71 - 129	
Dibromomethane	20.0	19.9	100	78 - 132	
1,2-Dichloropropane	20.0	18.8	94	78 - 127	
Bromodichloromethane	20.0	19.0	95	74 - 126	
cis-1,3-Dichloropropene	20.0	18.6	93	67 - 125	
trans-1,3-Dichloropropene	20.0	18.3	91	61 - 126	
1,1,2-Trichloroethane	20.0	20.2	101	59 - 146	
Toluene	20.0	17.8	89	65 - 121	
methyl isobutyl ketone	20.0	21.1	105	74 - 136	
Tetrachloroethene	20.0	17.1	85	67 - 120	
2-Hexanone	20.0	20.9	104	76 - 150	
Chlorobenzene	20.0	18.0	90	73 - 120	
1,1,1,2-Tetrachloroethane	20.0	17.5	88	72 - 120	
Ethylbenzene	20.0	17.7	89	72 - 120	
Styrene	20.0	17.9	89	59 - 120	
Bromoform	20.0	19.0	95	65 - 120	
Isopropylbenzene	20.0	17.0	85	65 - 120	
N-Propylbenzene	20.0	17.1	86	63 - 120	
1,3,5-Trimethylbenzene	20.0	17.2	86	62 - 120	
tert-Butylbenzene	20.0	17.2	86	66 - 120	
1,2,4-Trimethylbenzene	20.0	17.6	88	63 - 120	
sec-Butylbenzene	20.0	17.1	86	65 - 120	
p-Isopropyltoluene	20.0	16.9	85	63 - 120	
n-Butylbenzene	20.0	16.0	80	58 - 120	
Naphthalene	20.0	16.7	84	67 - 124	
Xylenes, Total	60.0	53.7	90	71 - 120	
m&p-Xylene	40.0	35.9	90	71 - 120	
o-Xylene	20.0	17.8	89	69 - 120	
Methyl tert-butyl ether	20.0	19.8	99	88 - 148	

Client: Gannett Fleming

Job Number: 220-16087-1

Lab Control Sample - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53434/2	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N3998.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	59 - 132
4-Bromofluorobenzene	102	34 - 124
Dibromofluoromethane	91	59 - 123
Toluene-d8 (Surr)	94	50 - 118

Client: Gannett Fleming

Job Number: 220-16087-1

Method Blank - Batch: 220-53507

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 220-53507/1-A	Analysis Batch:	220-53606	Instrument ID:	MSU
Client Matrix:	Solid	Prep Batch:	220-53507	Lab File ID:	U6157.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15 g
Analysis Date:	08/03/2011 1434	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2011 1436			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	270	U	14	270
Acenaphthene	270	U	16	270
Fluorene	270	U	16	270
Phenanthrene	270	U	13	270
Anthracene	270	U	11	270
Pyrene	270	U	13	270
Benzo[a]anthracene	270	U	9.6	270
Chrysene	270	U	20	270
Benzo[b]fluoranthene	270	U	7.2	270
Benzo[k]fluoranthene	270	U	24	270
Benzo[a]pyrene	270	U	7.3	270
Indeno[1,2,3-cd]pyrene	270	U	18	270
Dibenz(a,h)anthracene	270	U	21	270
Benzo[g,h,i]perylene	270	U	18	270
Fluoranthene	270	U	13	270
Acenaphthylene	270	U	13	270

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	73	38 - 120
2-Fluorobiphenyl	61	41 - 120
Terphenyl-d14	81	32 - 125

Client: Gannett Fleming

Job Number: 220-16087-1

Lab Control Sample - Batch: 220-53507

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 220-53507/2-A	Analysis Batch:	220-53606	Instrument ID:	MSU
Client Matrix:	Solid	Prep Batch:	220-53507	Lab File ID:	U6158.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15 g
Analysis Date:	08/03/2011 1502	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/01/2011 1436			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	2670	1630	61	55 - 120	
Acenaphthene	2670	1640	61	57 - 120	
Fluorene	2670	1790	67	58 - 120	
Phenanthrene	2670	1760	66	58 - 120	
Anthracene	2670	1660	62	58 - 120	
Pyrene	2670	2380	89	54 - 121	
Benzo[a]anthracene	2670	1820	68	58 - 120	
Chrysene	2670	1210	45	57 - 120	*
Benzo[b]fluoranthene	2670	1980	74	54 - 120	
Benzo[k]fluoranthene	2670	1950	73	53 - 120	
Benzo[a]pyrene	2670	1760	66	44 - 120	
Indeno[1,2,3-cd]pyrene	2670	1680	63	37 - 120	
Dibenz(a,h)anthracene	2670	1790	67	39 - 120	
Benzo[g,h,i]perylene	2670	1700	64	37 - 120	
Fluoranthene	2670	1800	67	57 - 120	
Acenaphthylene	2670	1520	57	57 - 120	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	63	38 - 120
2-Fluorobiphenyl	62	41 - 120
Terphenyl-d14	96	32 - 125

DATA REPORTING QUALIFIERS

Client: Gannett Fleming Job Number: 220-16087-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits

Client: Gannett Fleming

Job Number: 220-16087-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-53434					
LCS 220-53434/2	Lab Control Sample	T	Solid	8260B	
MB 220-53434/3	Method Blank	T	Solid	8260B	
220-16087-1	SB SE-9-S 13'-15'	T	Solid	8260B	
220-16087-2	SB SE-9-D 18.5'-20'	T	Solid	8260B	
GC/MS Semi VOA					
Prep Batch: 220-53507					
LCS 220-53507/2-A	Lab Control Sample	T	Solid	3541	
MB 220-53507/1-A	Method Blank	T	Solid	3541	
220-16087-1	SB SE-9-S 13'-15'	T	Solid	3541	
220-16087-2	SB SE-9-D 18.5'-20'	T	Solid	3541	
Analysis Batch:220-53551					
220-16087-1	SB SE-9-S 13'-15'	T	Solid	8270C	220-53507
220-16087-2	SB SE-9-D 18.5'-20'	T	Solid	8270C	220-53507
Analysis Batch:220-53606					
LCS 220-53507/2-A	Lab Control Sample	T	Solid	8270C	220-53507
MB 220-53507/1-A	Method Blank	T	Solid	8270C	220-53507
General Chemistry					
Analysis Batch:220-53239					
220-16087-1	SB SE-9-S 13'-15'	T	Solid	Moisture	
220-16087-2	SB SE-9-D 18.5'-20'	T	Solid	Moisture	

Report Basis
T = Total

Report Basis
T = Total

Report Basis
T = Total

Client: Gannett Fleming Job Number: 220-16087-1

Laboratory Chronicle

Lab ID: 220-16087-1 **Client ID: SB SE-9-S 13'-15'**

Sample Date/Time: 07/22/2011 10:15 Received Date/Time: 07/22/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16087-A-1		220-53434		07/27/2011 20:24	1	TAL CT	DH
A:8260B	220-16087-A-1		220-53434		07/27/2011 20:24	1	TAL CT	DH
P:3541	220-16087-B-1-A		220-53551	220-53507	08/01/2011 14:36	1	TAL CT	GHP
A:8270C	220-16087-B-1-A		220-53551	220-53507	08/02/2011 21:22	1	TAL CT	SJ
A:Moisture	220-16087-B-1		220-53239		07/25/2011 10:37	1	TAL CT	AB

Lab ID: 220-16087-2 **Client ID: SB SE-9-D 18.5'-20'**

Sample Date/Time: 07/22/2011 11:00 Received Date/Time: 07/22/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16087-A-2		220-53434		07/27/2011 20:50	1	TAL CT	DH
A:8260B	220-16087-A-2		220-53434		07/27/2011 20:50	1	TAL CT	DH
P:3541	220-16087-B-2-A		220-53551	220-53507	08/01/2011 14:36	1	TAL CT	GHP
A:8270C	220-16087-B-2-A		220-53551	220-53507	08/02/2011 21:50	1	TAL CT	SJ
A:Moisture	220-16087-B-2		220-53239		07/25/2011 10:37	1	TAL CT	AB

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 220-53434/3		220-53434		07/27/2011 12:24	1	TAL CT	DH
A:8260B	MB 220-53434/3		220-53434		07/27/2011 12:24	1	TAL CT	DH
P:3541	MB 220-53507/1-A		220-53606	220-53507	08/01/2011 14:36	1	TAL CT	GHP
A:8270C	MB 220-53507/1-A		220-53606	220-53507	08/03/2011 14:34	1	TAL CT	SJ

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 220-53434/2		220-53434		07/27/2011 10:45	1	TAL CT	DH
A:8260B	LCS 220-53434/2		220-53434		07/27/2011 10:45	1	TAL CT	DH
P:3541	LCS 220-53507/2-A		220-53606	220-53507	08/01/2011 14:36	1	TAL CT	GHP
A:8270C	LCS 220-53507/2-A		220-53606	220-53507	08/03/2011 15:02	1	TAL CT	SJ

Lab References:
TAL CT = TestAmerica Connecticut

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB SE-9-S 13'-15'	220-16087-1	84	86	89	99
SB SE-9-D 18.5'-20'	220-16087-2	88	89	93	100
	MB 220-53434/3	83	83	89	97
	LCS 220-53434/2	91	88	94	102

	QC LIMITS
DBFM = Dibromofluoromethane	59-123
DCA = 1,2-Dichloroethane-d4 (Surr)	59-132
TOL = Toluene-d8 (Surr)	50-118
BFB = 4-Bromofluorobenzene	34-124

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: N3998.D

Lab ID: LCS 220-53434/2 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	16.5	82	69-143	
Vinyl chloride	20.0	17.8	89	70-137	
Bromomethane	20.0	27.1	136	83-150	
Chloroethane	20.0	21.2	106	54-150	
1,1-Dichloroethene	20.0	18.9	94	80-144	
Carbon disulfide	20.0	16.6	83	80-142	
Methylene Chloride	20.0	20.4	102	68-147	
Acetone	20.0	23.7	119	80-150	
trans-1,2-Dichloroethene	20.0	19.7	99	50-149	
1,1-Dichloroethane	20.0	18.8	94	78-130	
cis-1,2-Dichloroethene	20.0	19.4	97	80-122	
Chloroform	20.0	19.5	98	74-142	
1,1,1-Trichloroethane	20.0	18.9	95	80-136	
Carbon tetrachloride	20.0	18.0	90	80-137	
2-Butanone (MEK)	20.0	22.3	111	80-150	
Benzene	20.0	18.8	94	80-133	
1,2-Dichloroethane	20.0	20.0	100	76-130	
Trichloroethene	20.0	17.7	89	71-129	
Dibromomethane	20.0	19.9	100	78-132	
1,2-Dichloropropane	20.0	18.8	94	78-127	
Bromodichloromethane	20.0	19.0	95	74-126	
cis-1,3-Dichloropropene	20.0	18.6	93	67-125	
trans-1,3-Dichloropropene	20.0	18.3	91	61-126	
1,1,2-Trichloroethane	20.0	20.2	101	59-146	
Toluene	20.0	17.8	89	65-121	
methyl isobutyl ketone	20.0	21.1	105	74-136	
Tetrachloroethene	20.0	17.1	85	67-120	
2-Hexanone	20.0	20.9	104	76-150	
Chlorobenzene	20.0	18.0	90	73-120	
1,1,1,2-Tetrachloroethane	20.0	17.5	88	72-120	
Ethylbenzene	20.0	17.7	89	72-120	
Styrene	20.0	17.9	89	59-120	
Bromoform	20.0	19.0	95	65-120	
Isopropylbenzene	20.0	17.0	85	65-120	
N-Propylbenzene	20.0	17.1	86	63-120	
1,3,5-Trimethylbenzene	20.0	17.2	86	62-120	
tert-Butylbenzene	20.0	17.2	86	66-120	
1,2,4-Trimethylbenzene	20.0	17.6	88	63-120	
sec-Butylbenzene	20.0	17.1	86	65-120	
p-Isopropyltoluene	20.0	16.9	85	63-120	
n-Butylbenzene	20.0	16.0	80	58-120	
Naphthalene	20.0	16.7	84	67-124	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: N3998.D

Lab ID: LCS 220-53434/2 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	60.0	53.7	90	71-120	
m&p-Xylene	40.0	35.9	90	71-120	
o-Xylene	20.0	17.8	89	69-120	
Methyl tert-butyl ether	20.0	19.8	99	88-148	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: N4001.D Lab Sample ID: MB 220-53434/3

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: MSN Date Analyzed: 07/27/2011 12:24

GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53434/2	N3998.D	07/27/2011 10:45
SB SE-9-S 13'-15'	220-16087-1	N4017.D	07/27/2011 20:24
SB SE-9-D 18.5'-20'	220-16087-2	N4018.D	07/27/2011 20:50

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: NB907.D BFB Injection Date: 07/13/2011

Instrument ID: MSN BFB Injection Time: 16:46

Analysis Batch No.: 52848

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	38.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	76.3	
175	5.0 - 9.0 % of mass 174	5.6	(7.3)1
176	95.0 - 101.0 % of mass 174	73.8	(96.8)1
177	5.0 - 9.0 % of mass 176	4.9	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 220-52848/1	N3724.D	07/13/2011	17:15
	IC 220-52848/2	N3725.D	07/13/2011	17:41
	IC 220-52848/3	N3726.D	07/13/2011	18:21
	IC 220-52848/4	N3727.D	07/13/2011	18:46
	IC 220-52848/5	N3728.D	07/13/2011	19:11
	IC 220-52848/6	N3729.D	07/13/2011	19:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: NB918.D BFB Injection Date: 07/27/2011

Instrument ID: MSN BFB Injection Time: 09:24

Analysis Batch No.: 53434

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	38.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.0	
175	5.0 - 9.0 % of mass 174	5.5	(7.4)1
176	95.0 - 101.0 % of mass 174	71.2	(96.2)1
177	5.0 - 9.0 % of mass 176	4.7	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53434/1	N3997.D	07/27/2011	09:47
	LCS 220-53434/2	N3998.D	07/27/2011	10:45
	MB 220-53434/3	N4001.D	07/27/2011	12:24
SB SE-9-S 13'-15'	220-16087-1	N4017.D	07/27/2011	20:24
SB SE-9-D 18.5'-20'	220-16087-2	N4018.D	07/27/2011	20:50

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Sample No.: CCVIS 220-53434/1 Date Analyzed: 07/27/2011 09:47

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm)

Lab File ID (Standard): N3997.D Heated Purge: (Y/N) Y

Calibration ID: 11460

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		623962	4.79	540501	7.87	221190	9.93
UPPER LIMIT		1247924	5.29	1081002	8.37	442380	10.43
LOWER LIMIT		311981	4.29	270251	7.37	110595	9.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-53434/2		604071	4.78	518898	7.87	213448	9.92
MB 220-53434/3		622785	4.79	525122	7.87	210548	9.92
220-16087-1	SB SE-9-S 13'-15'	621191	4.78	532083	7.87	219968	9.92
220-16087-2	SB SE-9-D 18.5'-20'	619133	4.78	523165	7.86	220673	9.92

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: SB SE-9-S 13'-15' | Lab Sample ID: 220-16087-1

Matrix: Solid | Lab File ID: N4017.D

Analysis Method: 8260B | Date Collected: 07/22/2011 10:15

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 20:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 19.7 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	6.2	U	6.2	0.97
75-01-4	Vinyl chloride	6.2	U	6.2	0.29
74-83-9	Bromomethane	6.2	U	6.2	2.6
75-00-3	Chloroethane	6.2	U	6.2	1.2
75-35-4	1,1-Dichloroethene	6.2	U	6.2	0.72
75-15-0	Carbon disulfide	6.2	U	6.2	0.51
75-09-2	Methylene Chloride	11	J B	25	1.4
67-64-1	Acetone	26		25	2.8
156-60-5	trans-1,2-Dichloroethene	6.2	U	6.2	0.49
75-34-3	1,1-Dichloroethane	6.2	U	6.2	0.37
156-59-2	cis-1,2-Dichloroethene	6.2	U	6.2	0.46
67-66-3	Chloroform	6.2	U	6.2	0.42
71-55-6	1,1,1-Trichloroethane	6.2	U	6.2	0.66
56-23-5	Carbon tetrachloride	6.2	U	6.2	1.2
78-93-3	2-Butanone (MEK)	13		12	2.0
71-43-2	Benzene	32		6.2	0.71
107-06-2	1,2-Dichloroethane	6.2	U	6.2	0.72
79-01-6	Trichloroethene	6.2	U	6.2	1.0
74-95-3	Dibromomethane	6.2	U	6.2	0.80
78-87-5	1,2-Dichloropropane	6.2	U	6.2	0.83
75-27-4	Bromodichloromethane	6.2	U	6.2	0.37
10061-01-5	cis-1,3-Dichloropropene	6.2	U	6.2	0.70
10061-02-6	trans-1,3-Dichloropropene	6.2	U	6.2	0.34
79-00-5	1,1,2-Trichloroethane	6.2	U	6.2	0.46
108-88-3	Toluene	3.6	J	6.2	0.092
108-10-1	methyl isobutyl ketone	6.2	U	6.2	0.68
127-18-4	Tetrachloroethene	6.2	U	6.2	1.0
591-78-6	2-Hexanone	12	U	12	1.5
108-90-7	Chlorobenzene	6.2	U	6.2	0.73
630-20-6	1,1,1,2-Tetrachloroethane	6.2	U	6.2	0.65
100-41-4	Ethylbenzene	91		6.2	0.87
100-42-5	Styrene	6.2	U	6.2	0.19
75-25-2	Bromoform	6.2	U	6.2	0.76
98-82-8	Isopropylbenzene	13		6.2	0.24
103-65-1	N-Propylbenzene	29		6.2	0.76
108-67-8	1,3,5-Trimethylbenzene	58		6.2	0.62

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Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 20:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 19.7 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	6.2	U	6.2	0.36
95-63-6	1,2,4-Trimethylbenzene	240		6.2	0.95
135-98-8	sec-Butylbenzene	2.7	J	6.2	0.66
99-87-6	p-Isopropyltoluene	1.6	J	6.2	0.66
104-51-8	n-Butylbenzene	6.2	U	6.2	1.4
91-20-3	Naphthalene	73		6.2	0.36
1330-20-7	Xylenes, Total	180		6.2	0.61
179601-23-1	m&p-Xylene	170		6.2	0.44
95-47-6	o-Xylene	11		6.2	0.24
1634-04-4	Methyl tert-butyl ether	6.2	U	6.2	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		59-132
460-00-4	4-Bromofluorobenzene	99		34-124
1868-53-7	Dibromofluoromethane	84		59-123
2037-26-5	Toluene-d8 (Surr)	89		50-118

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N4017.D
Lab Smp Id: 220-16087-A-1 Client Smp ID: SB SE-9-S 13'-15'
Inj Date : 27-JUL-2011 20:24 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : 220-16087-A-1
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 73
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1001

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
*	1 Fluorobenzene	96	4.784	4.785	(1.000)	621191	25.0000	
	20 Methylene Chloride	84	2.262	2.263	(0.473)	108215	9.16408	9
	21 Acetone	43	2.282	2.283	(0.477)	131381	20.6008	21
	37 Cyclohexane	84	3.533	3.544	(0.739)	78128	5.99689	6
	38 Chloroform	83	3.602	3.603	(0.753)	2166	0.16115	0.2
$	41 Dibromofluoromethane	111	3.799	3.810	(0.794)	192292	20.8752	21
	45 2-Butanone	43	3.957	3.947	(0.827)	87658	10.5115	10
	52 Benzene	78	4.292	4.292	(0.897)	866403	25.9899	26
$	55 1,2-Dichloroethane-d4	65	4.449	4.450	(0.930)	174722	21.5306	22
	59 Methyl Cyclohexane	83	4.961	4.972	(1.037)	176242	11.8314	12
*	75 Chlorobenzene-d5	117	7.868	7.868	(1.000)	532083	25.0000	
	76 Toluene	91	6.479	6.479	(0.823)	101480	2.88357	3
$	77 Toluene-d8	98	6.429	6.430	(0.817)	680495	22.2176	22
	90 Ethylbenzene	106	7.917	7.918	(1.006)	889106	73.1852	73
	91 Xylene (total)mp	106	8.045	8.056	(1.023)	2139329	140.503	140
	92 Xylene (total)o	106	8.429	8.430	(1.071)	123924	8.53667	8
*	95 1,4-Dichlorobenzene-d4	152	9.917	9.927	(1.000)	219968	25.0000	
	96 Isopropylbenzene	105	8.705	8.716	(0.878)	389105	10.8377	11
	99 4-Ethyltoluene	105	9.168	9.179	(0.925)	2190049	58.7112	59
	102 n-Propylbenzene	91	9.070	9.080	(0.915)	1028206	22.9367	23

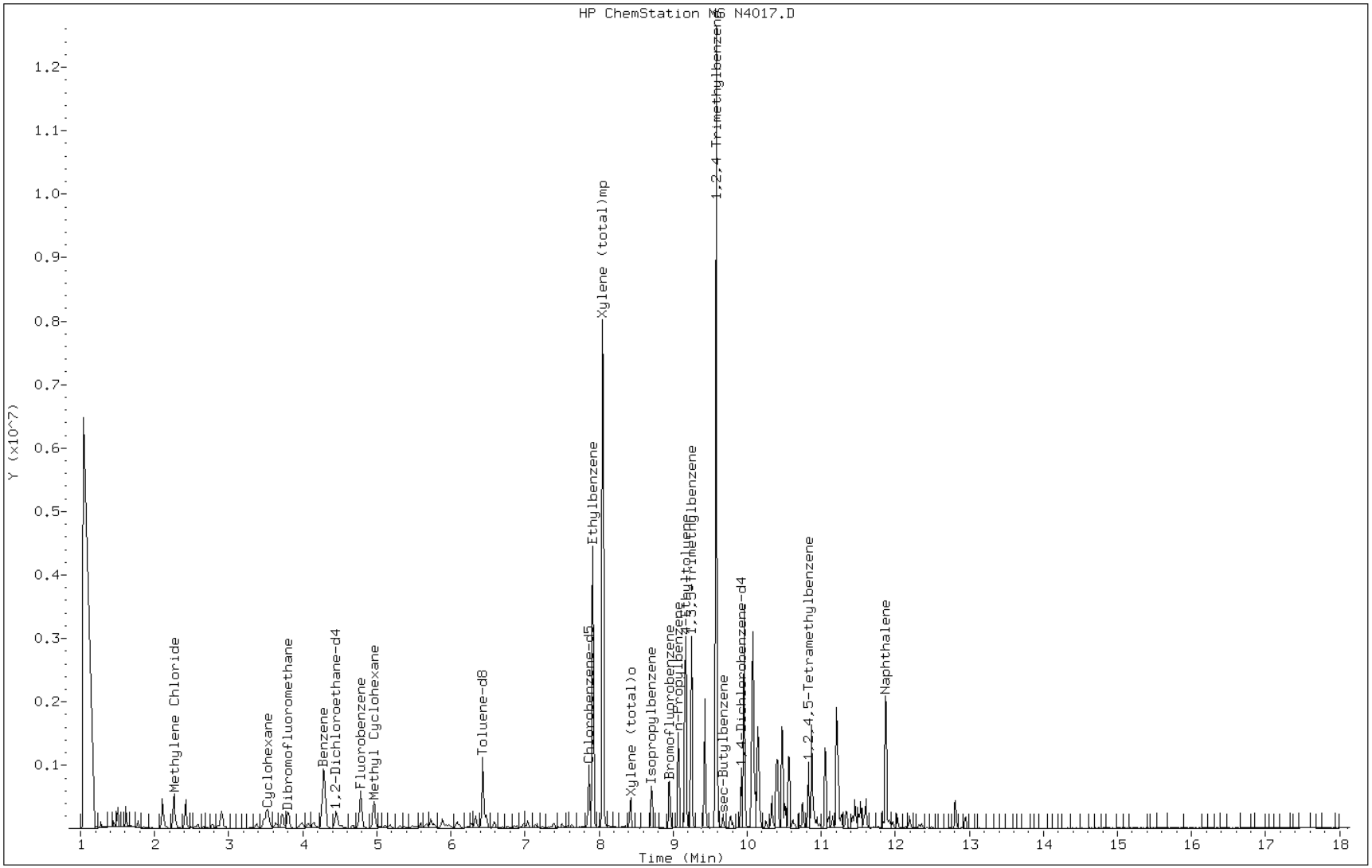
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
105	1,3,5-Trimethylbenzene	105	9.247	9.258	(0.932)	1377998	46.8017	47
107	1,2,4-Trimethylbenzene	105	9.582	9.583	(0.966)	5779875	195.888	200
108	sec-Butylbenzene	105	9.680	9.681	(0.976)	88741	2.15994	2
109	4-Isopropyltoluene	119	9.808	9.809	(0.989)	41762	1.29848	1
118	1,2,4,5-Tetramethylbenzene	119	10.823	10.834	(1.091)	511037	20.0945	20
123	Naphthalene	128	11.877	11.878	(1.198)	1483079	58.9100	59
$ 125	Bromofluorobenzene	95	8.941	8.952	(0.902)	271670	24.8034	25
M 127	Xylene (total)	100				2263253	149.039	150

Data File: N4017.D

Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT



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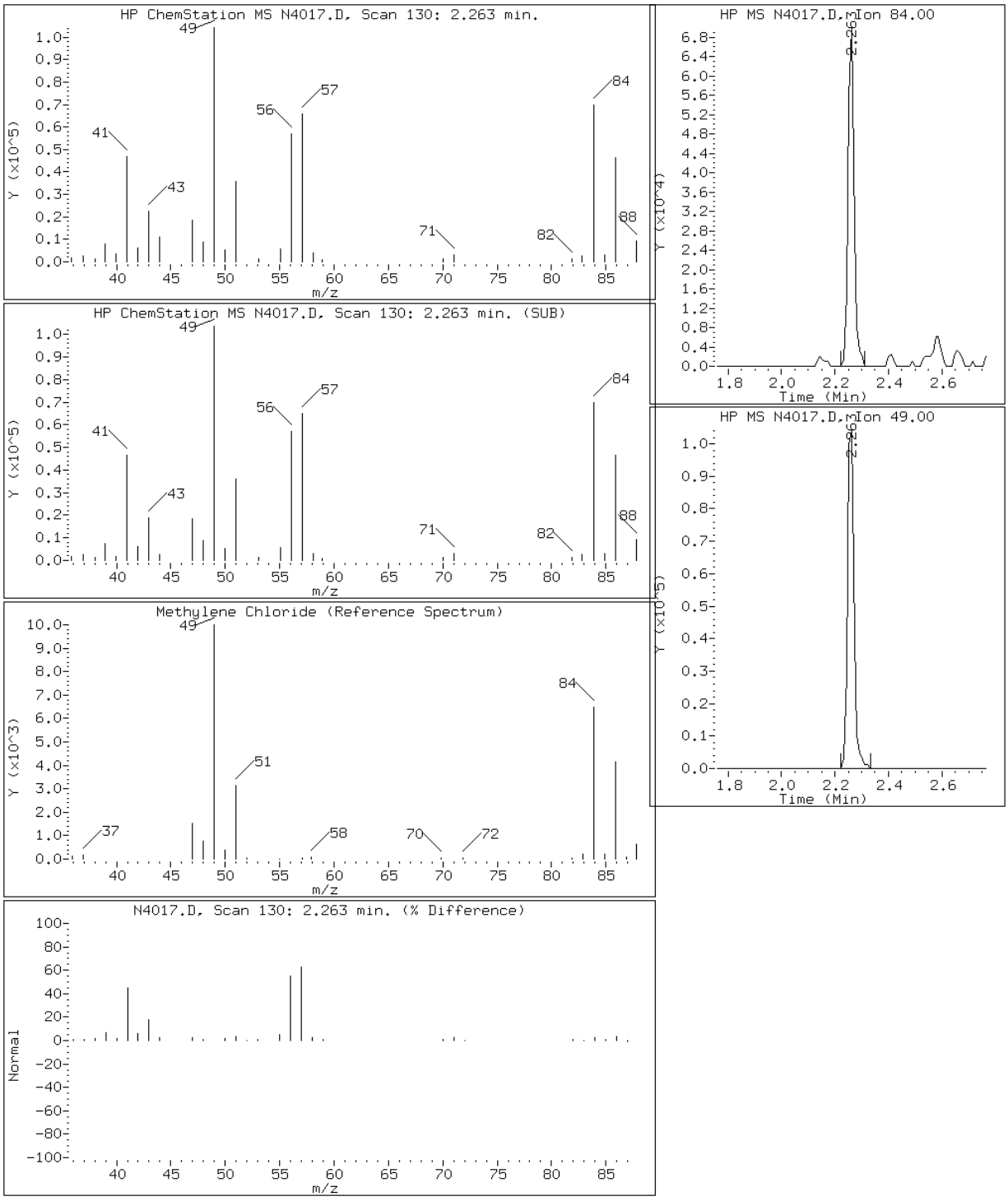
20 Methylene Chloride



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Date: 27-JUL-2011 20:24

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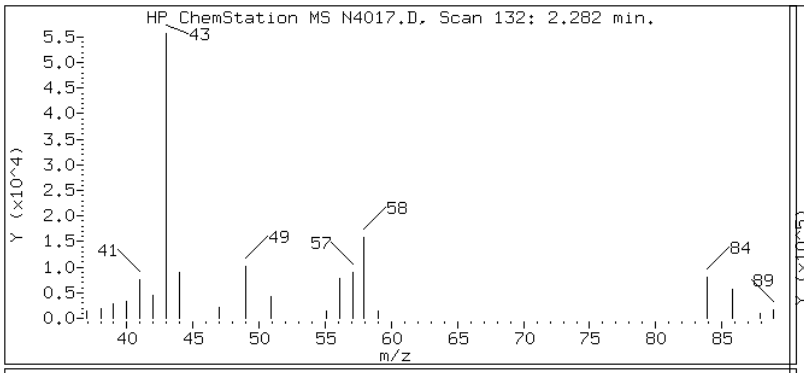
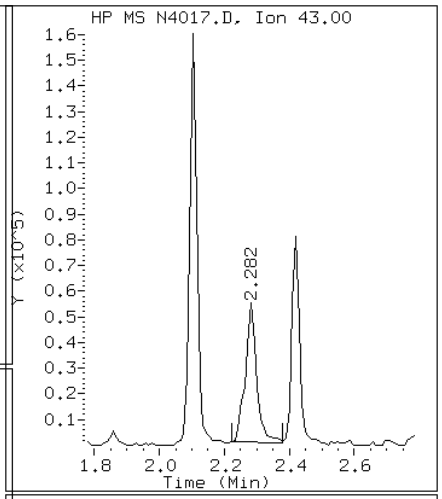
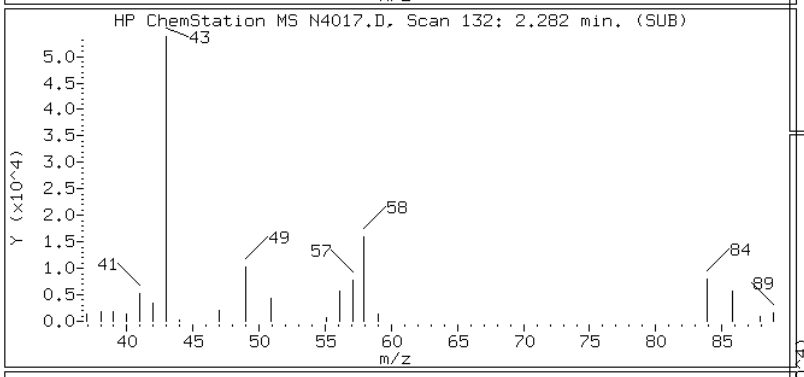
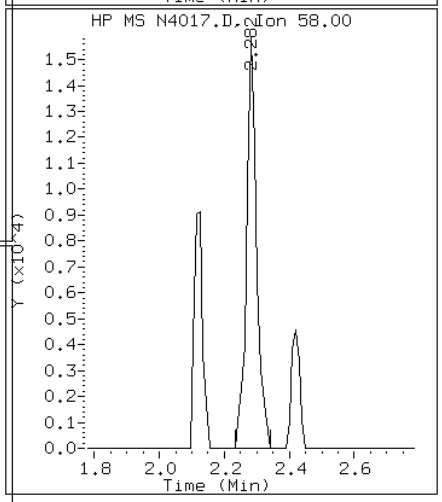
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

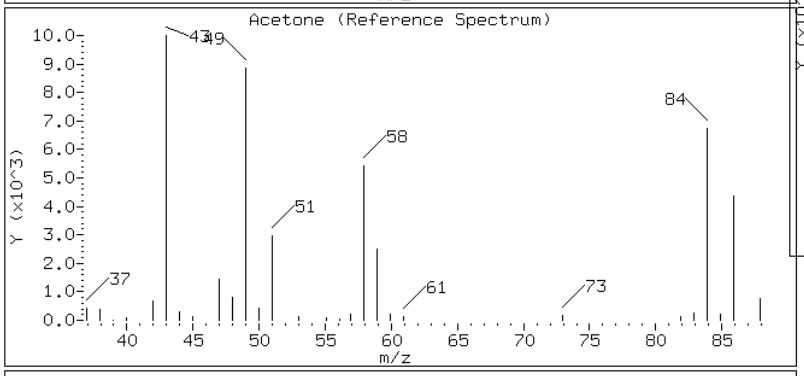
21 Acetone

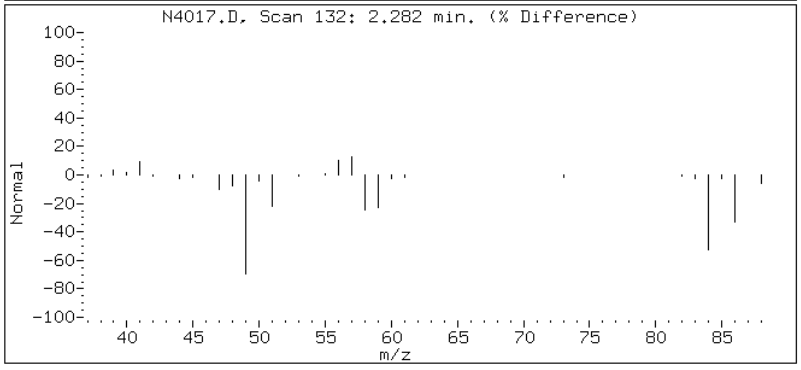












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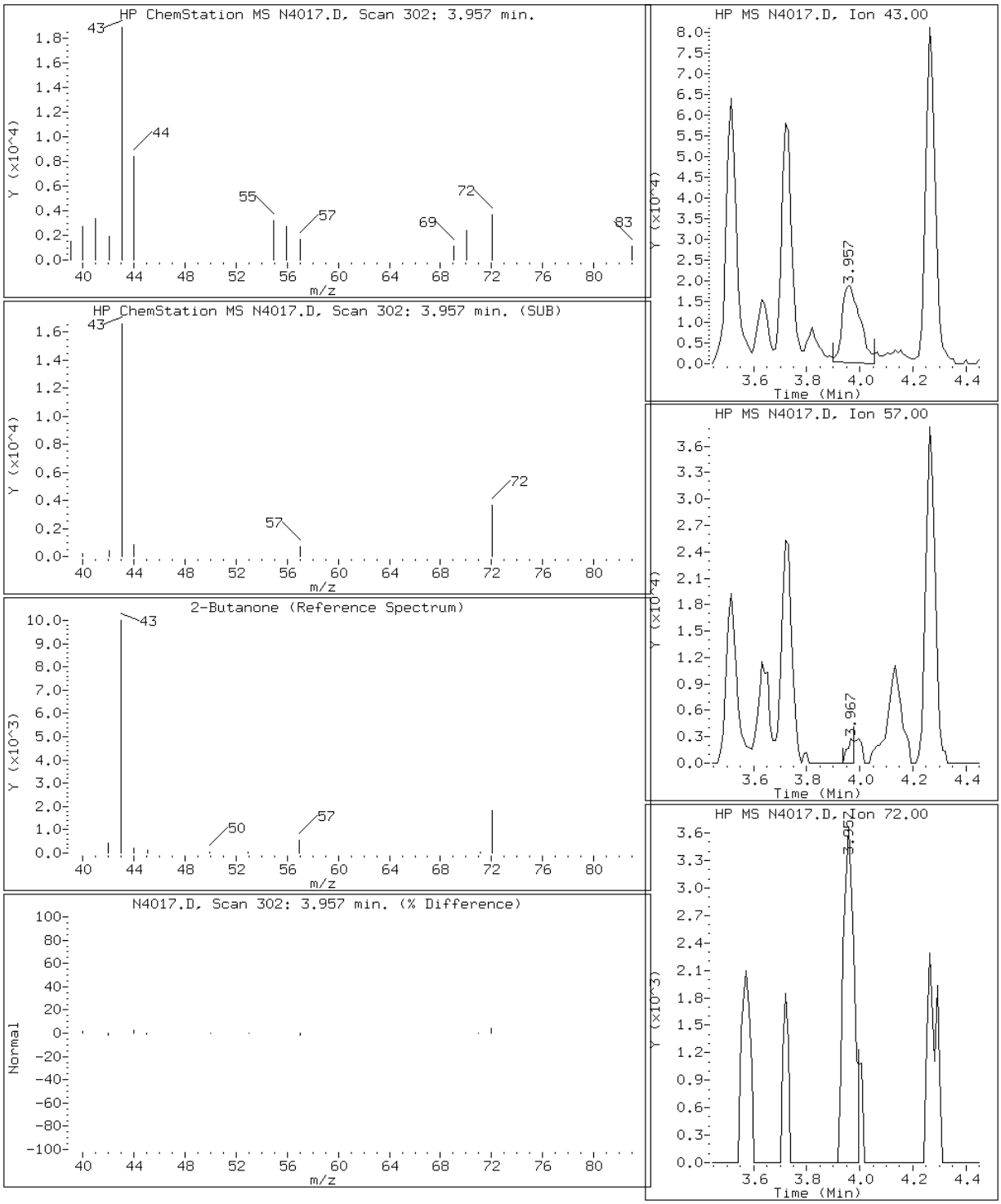
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

45 2-Butanone



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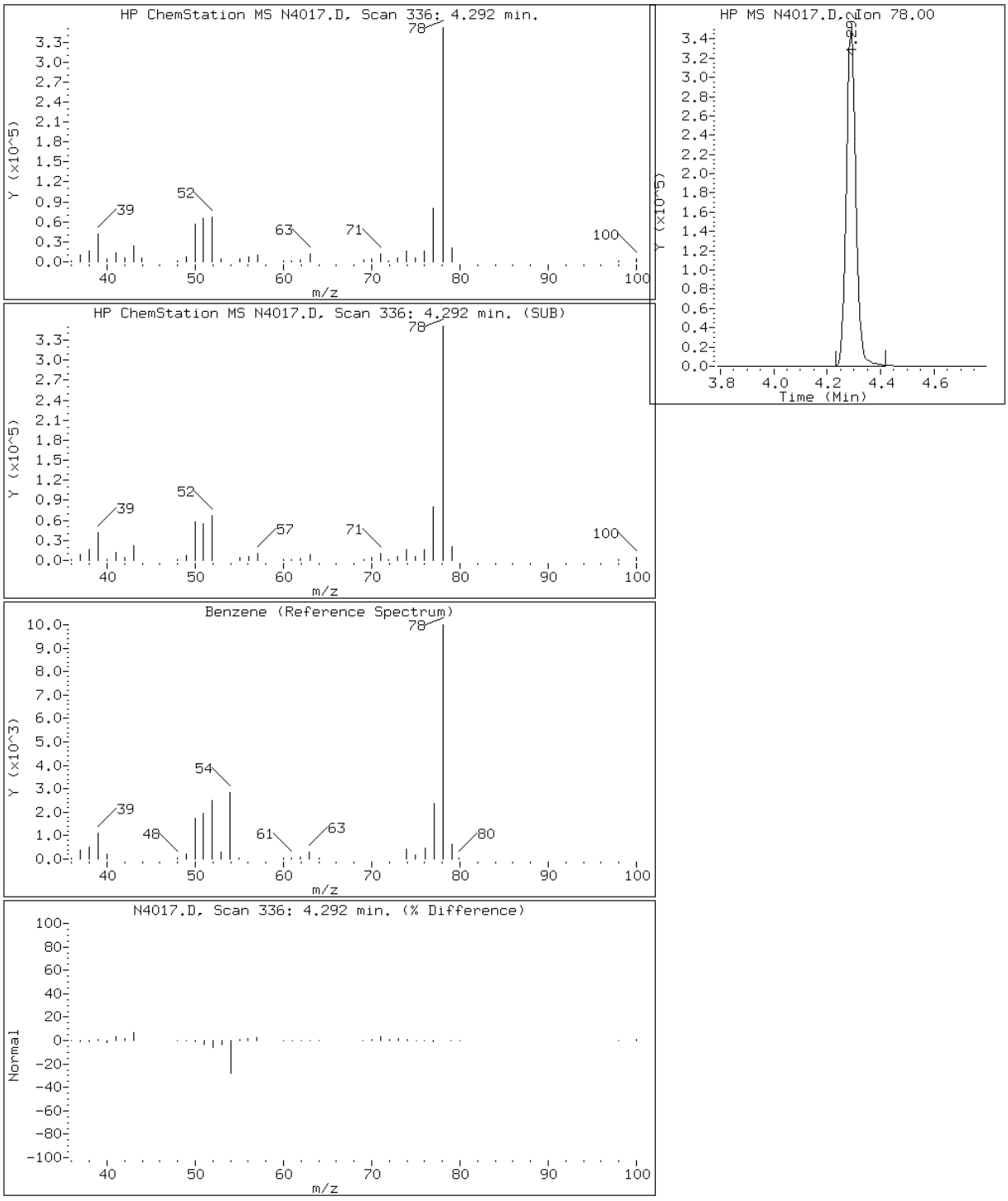
Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT

52 Benzene



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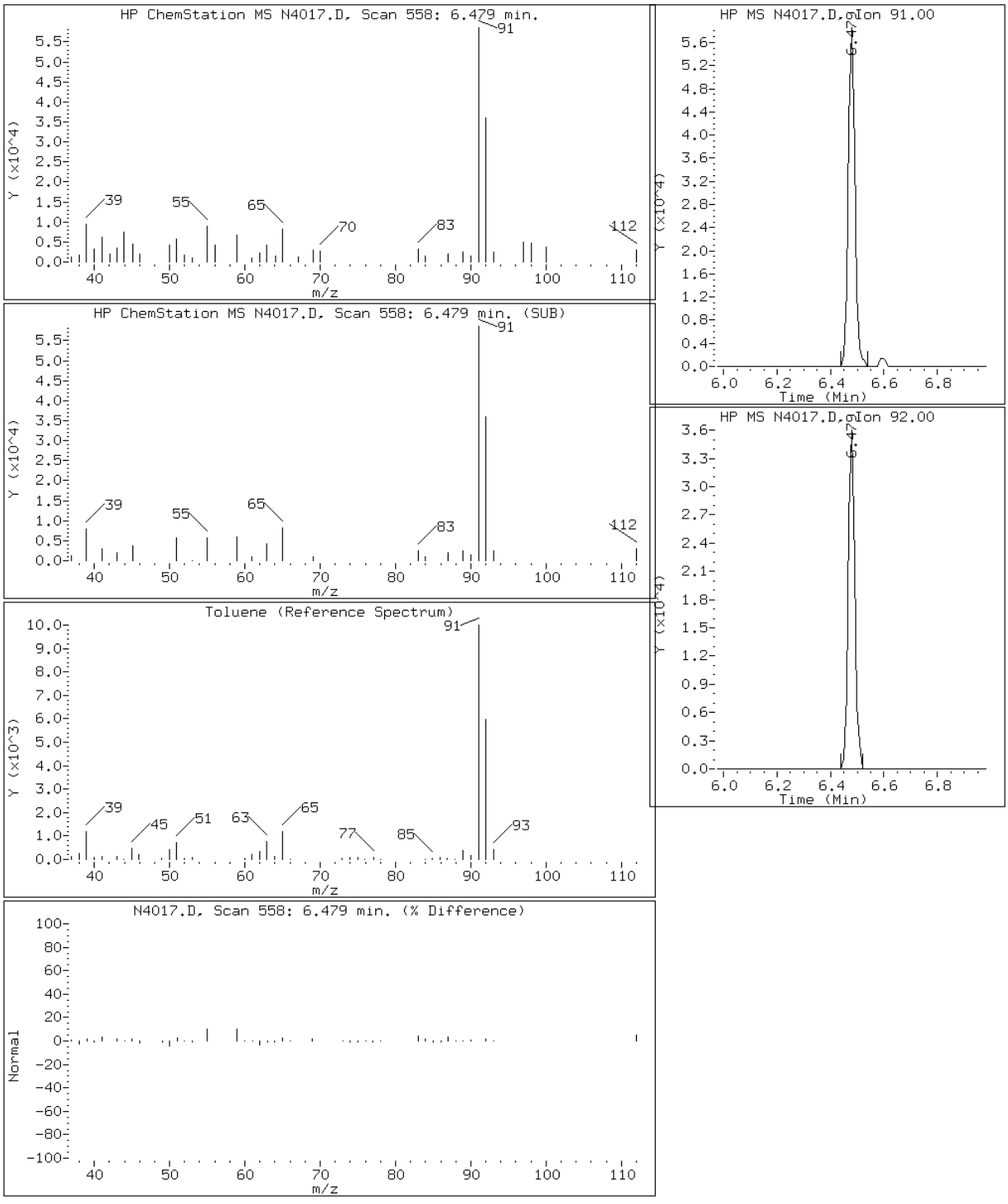
76 Toluene



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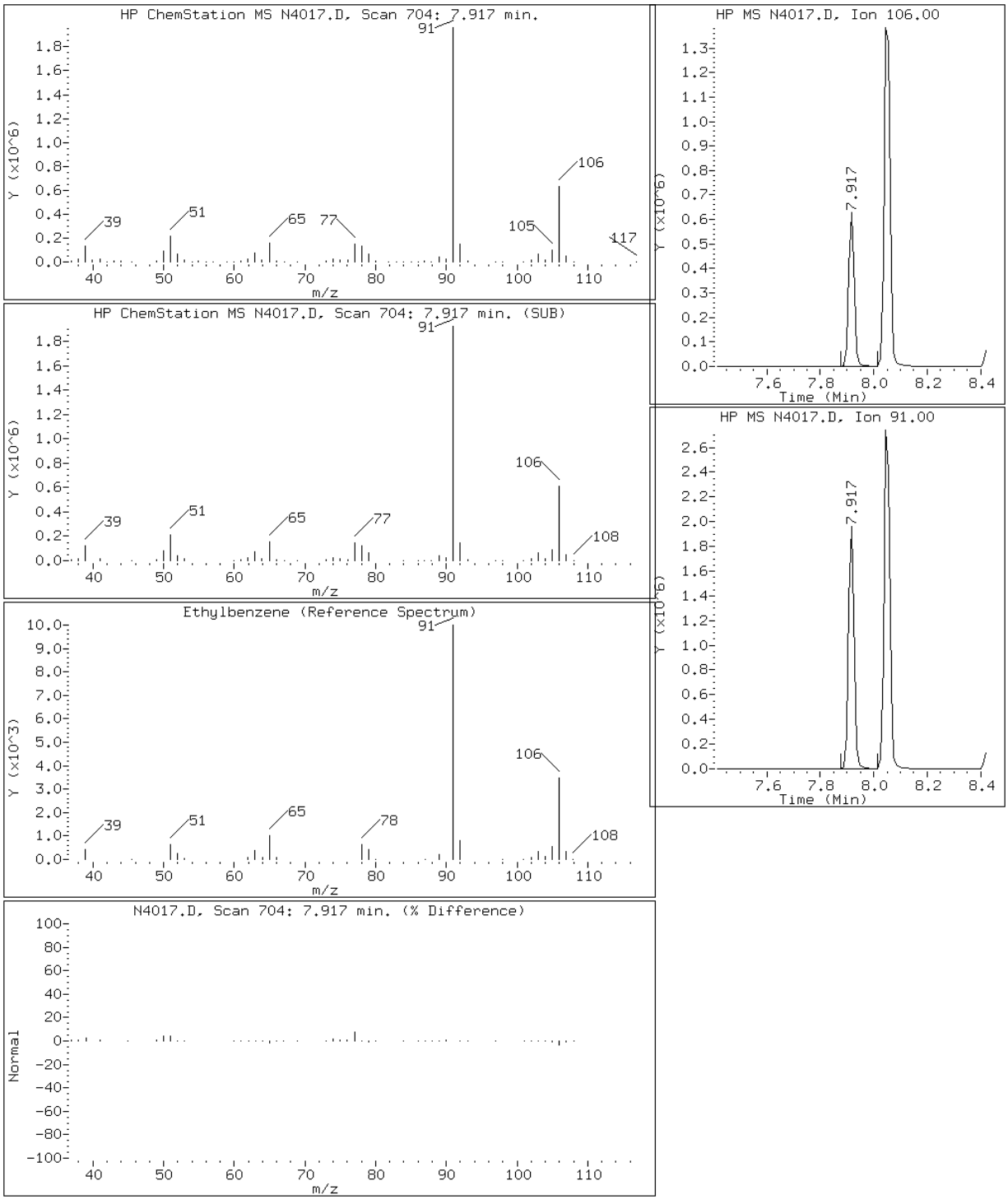
90 Ethylbenzene



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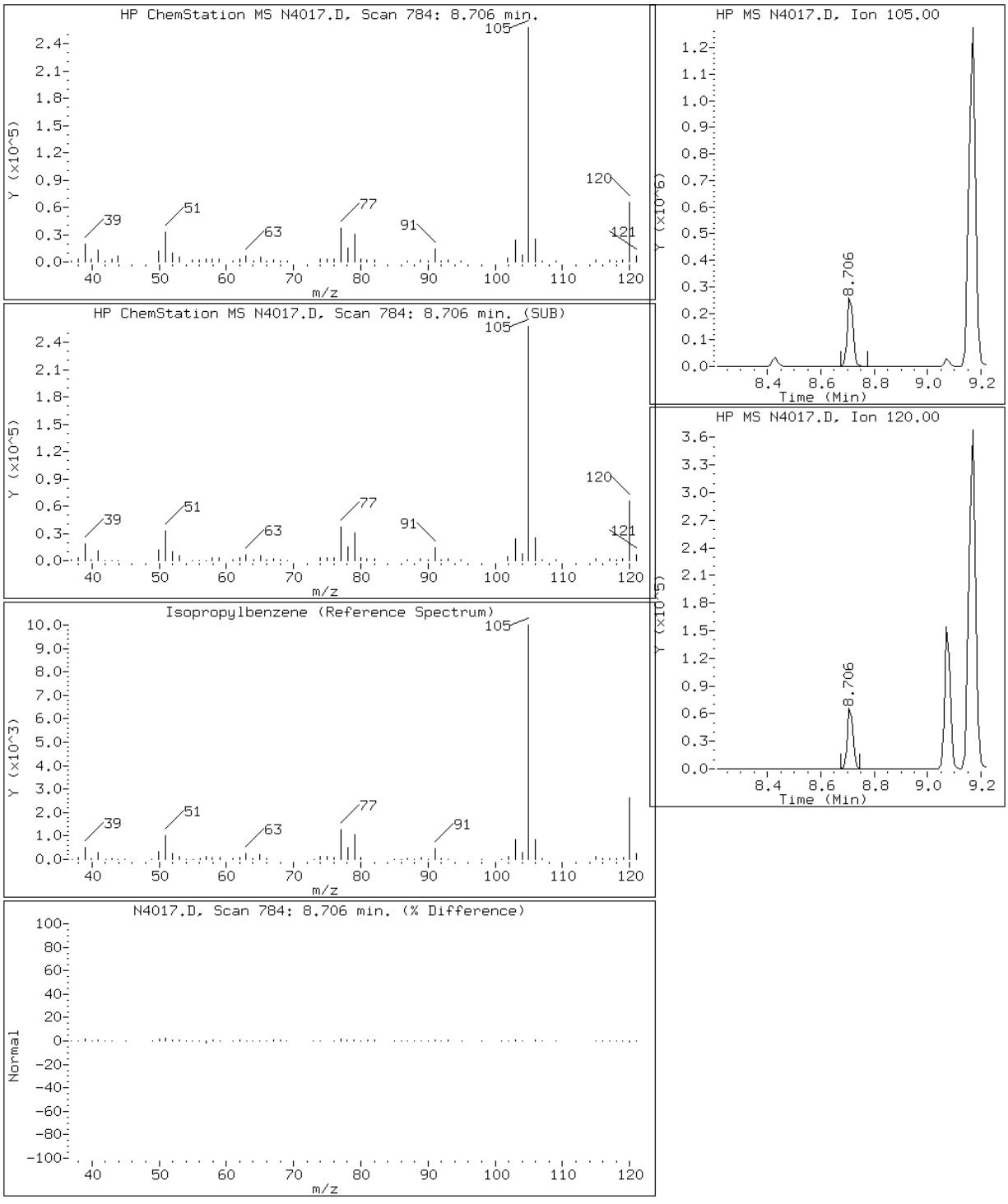
96 Isopropylbenzene



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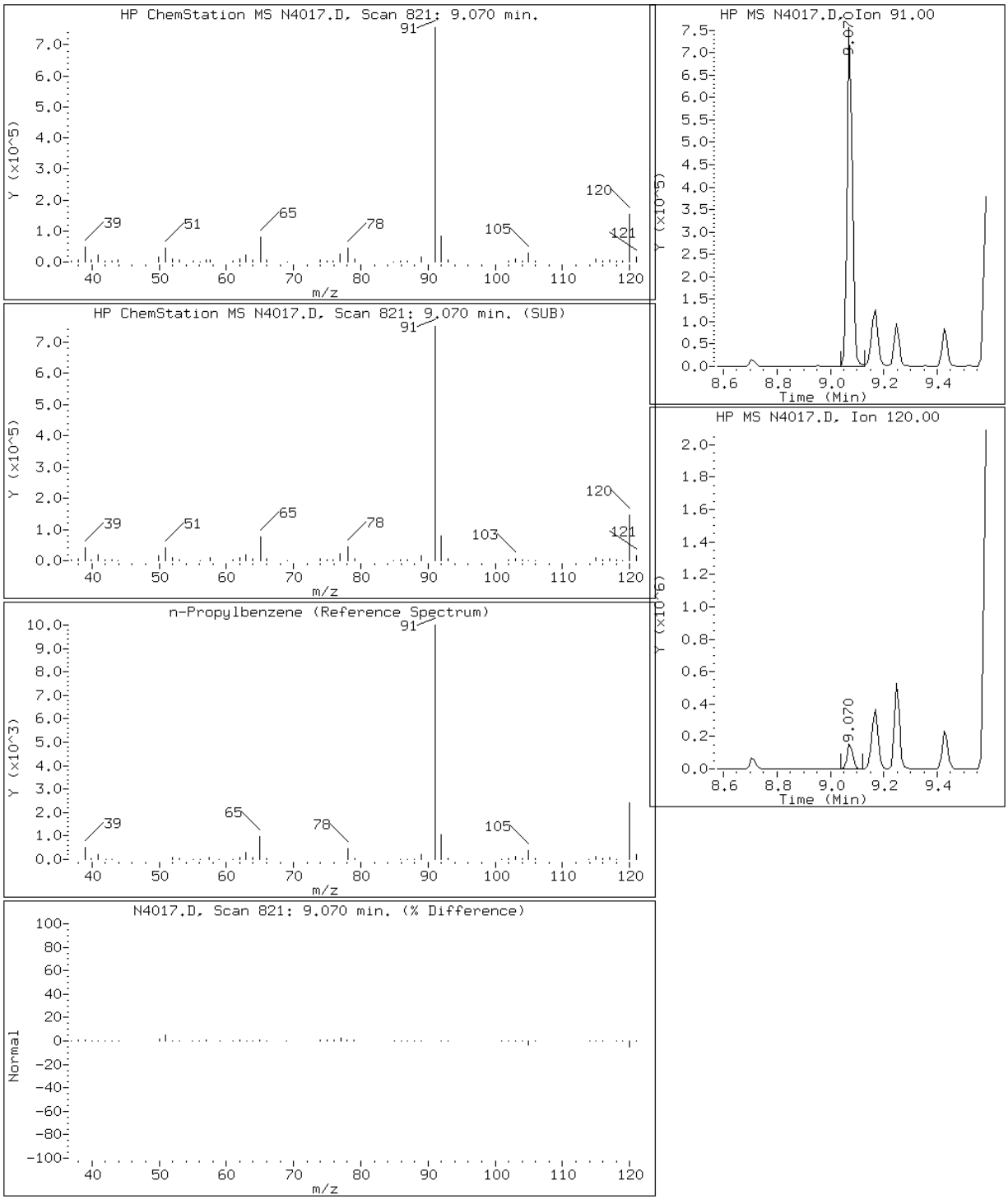
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

102 n-Propylbenzene



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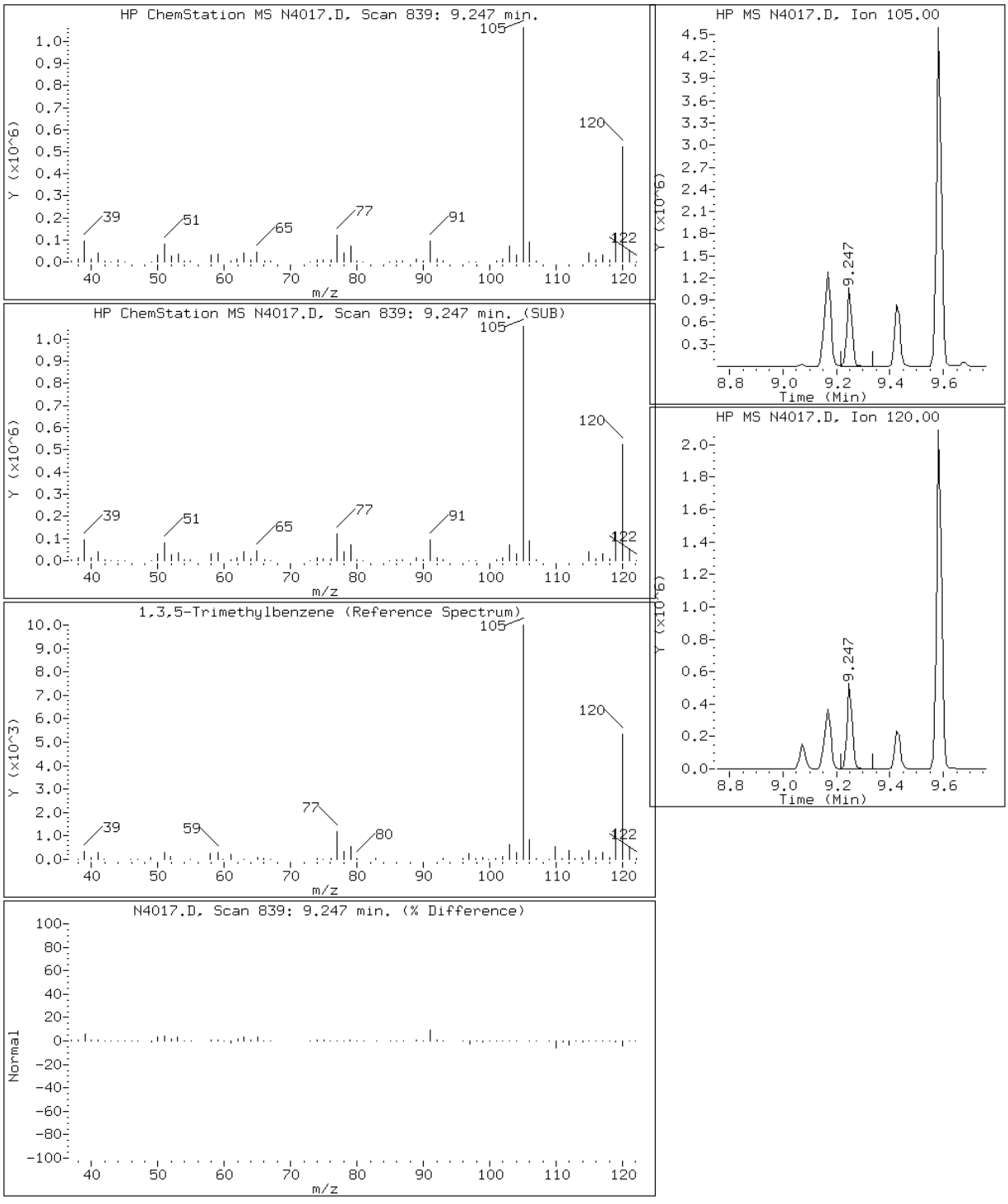
Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT

105 1,3,5-Trimethylbenzene



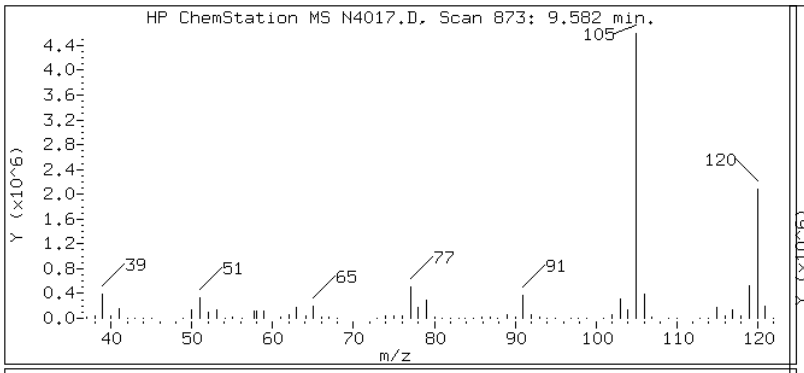
Data File: N4017.D

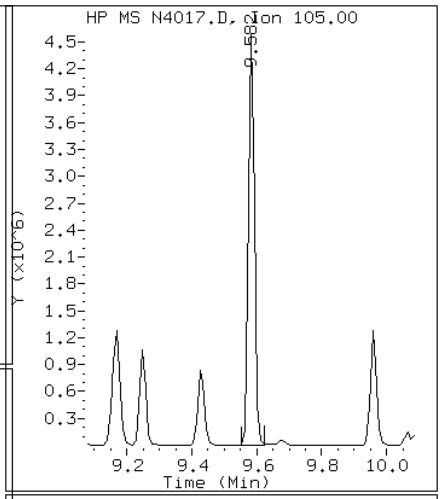
Date: 27-JUL-2011 20:24

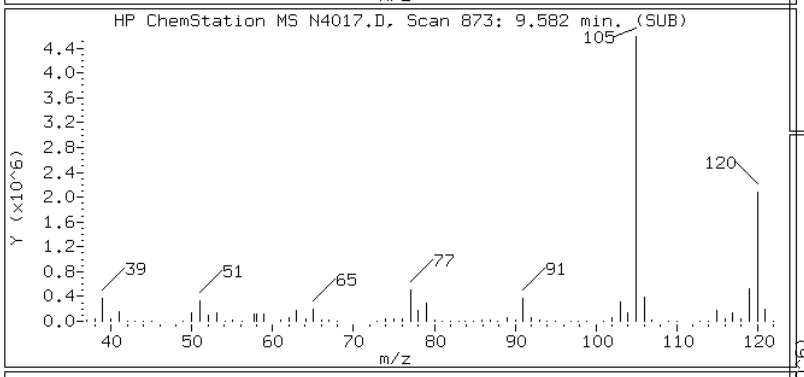
Client ID: SB SE-9-S 13'-15' Instrument: msn.i

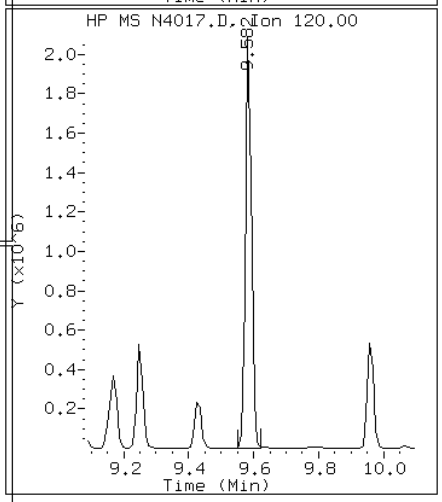
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

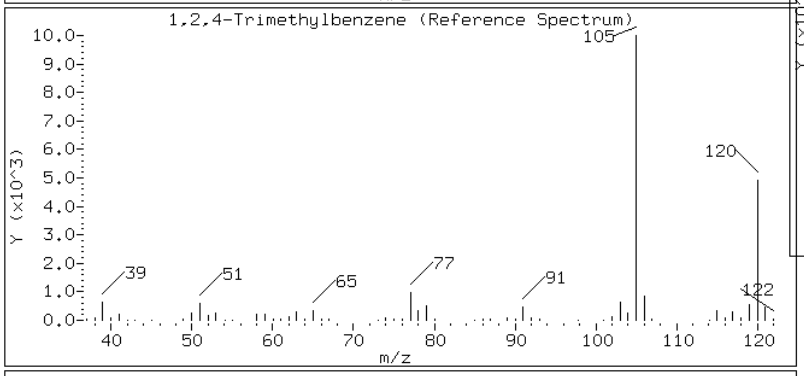
107 1,2,4-Trimethylbenzene

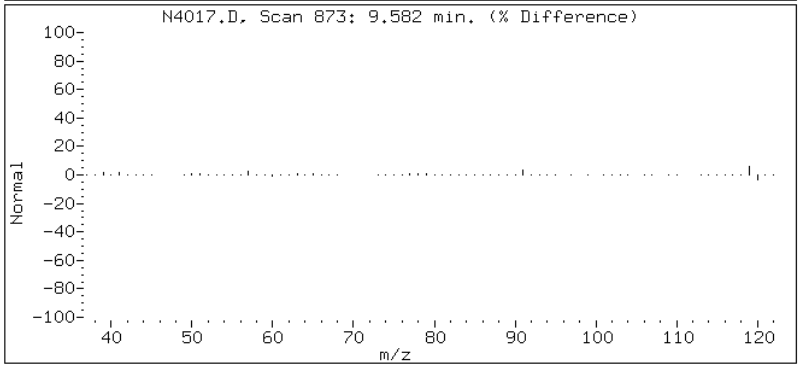












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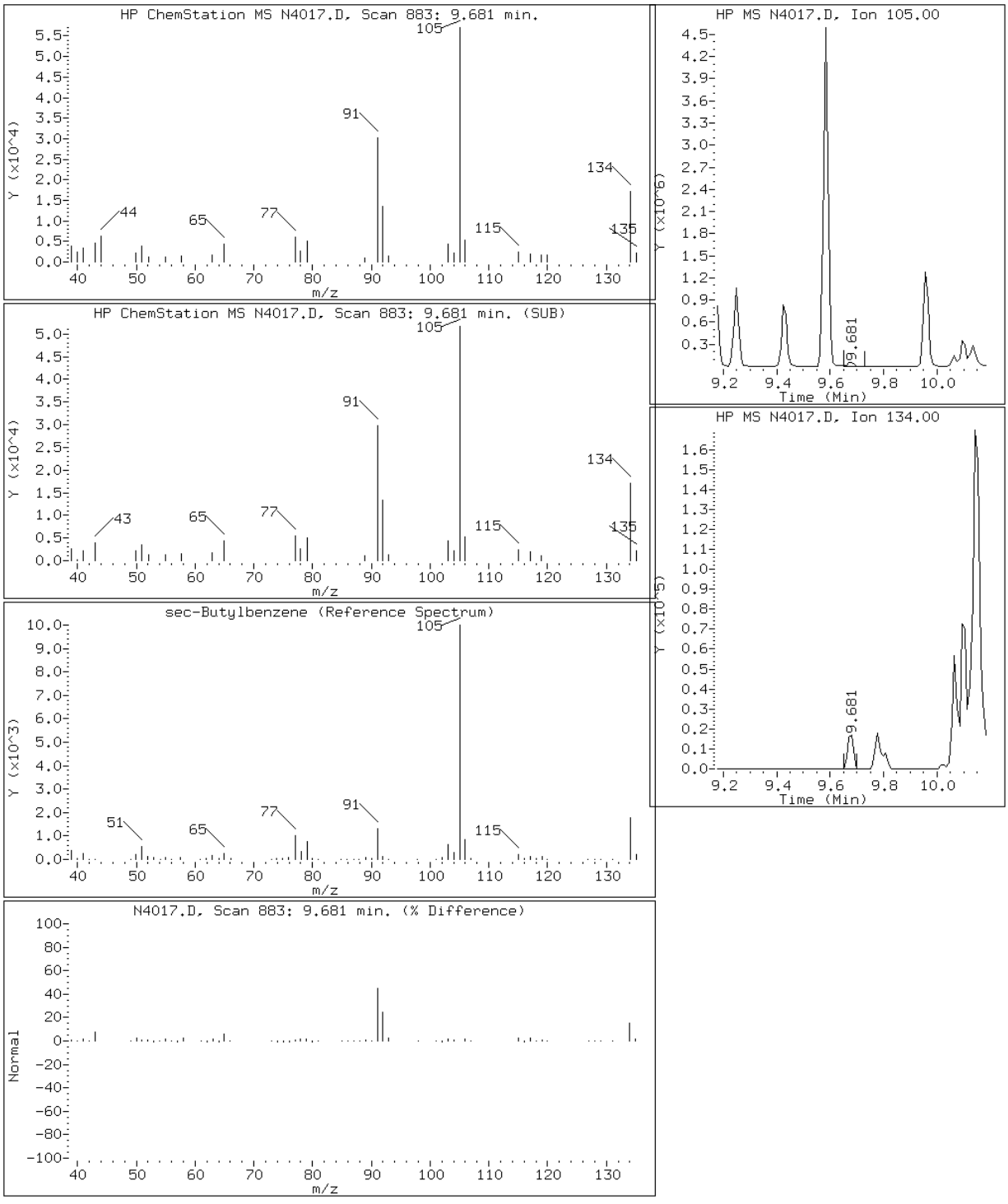
Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT

108 sec-Butylbenzene



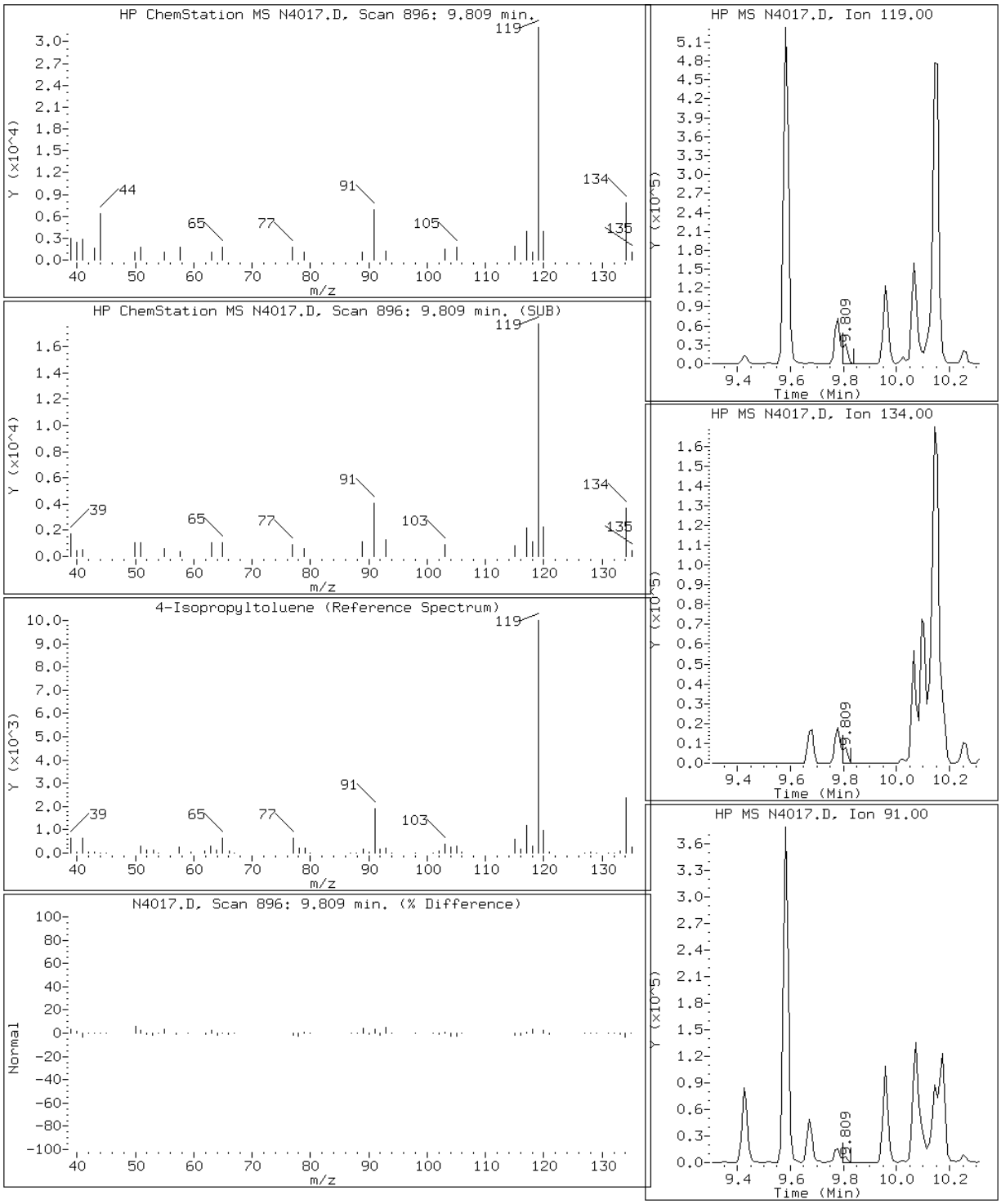
Data File: N4017.D

Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT

109 4-Isopropyltoluene



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Date: 27-JUL-2011 20:24

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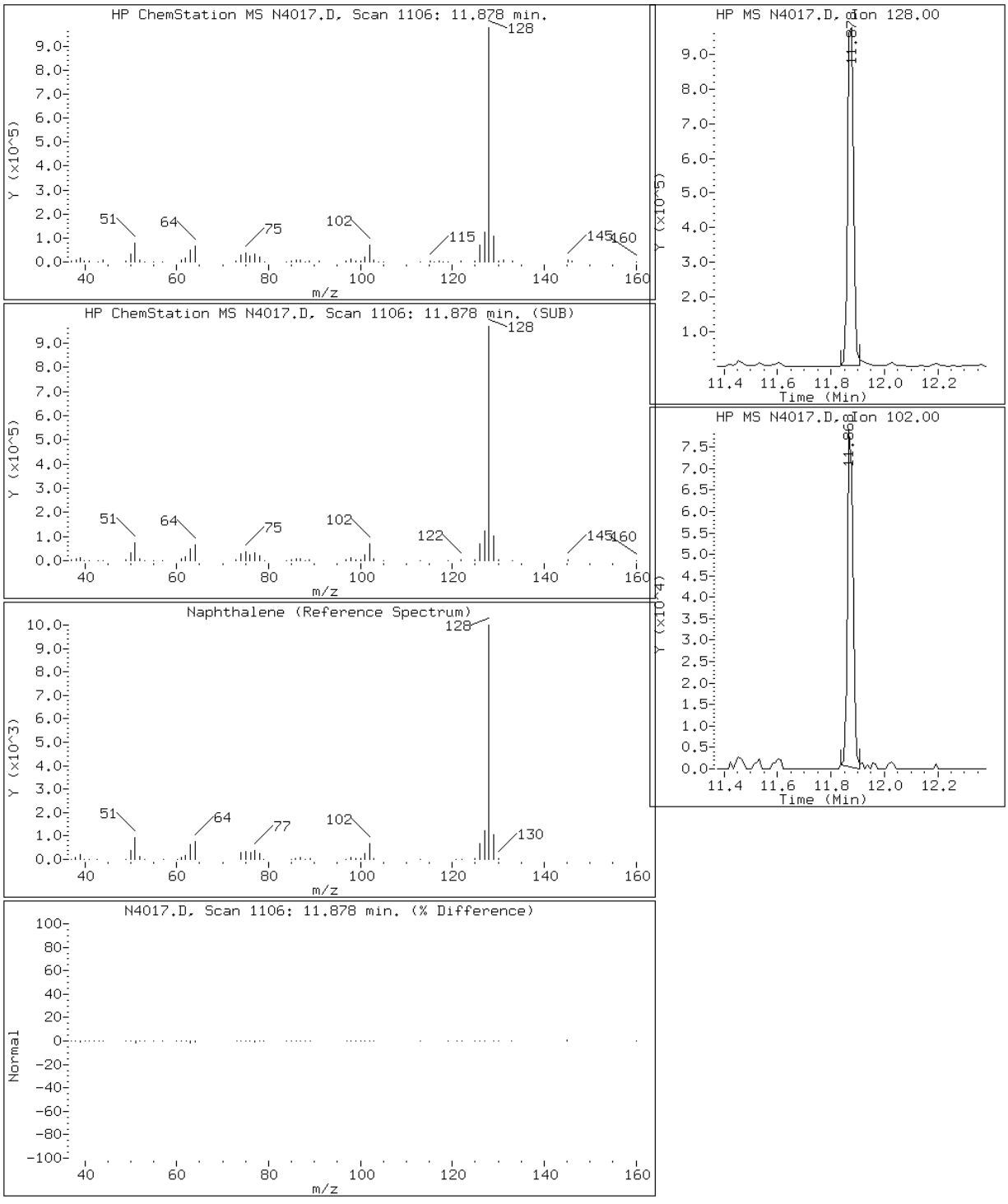
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

123 Naphthalene



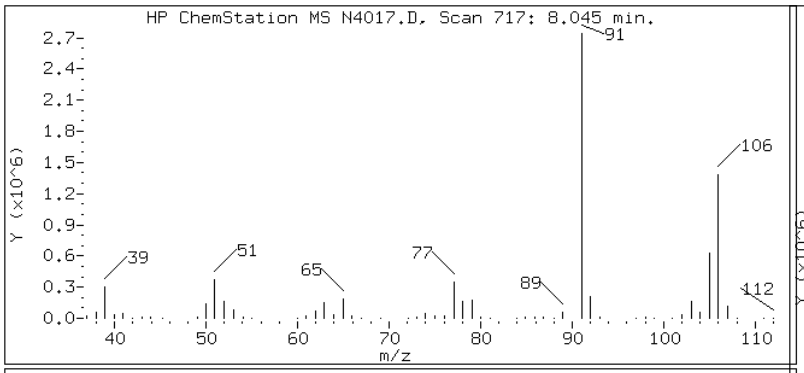
Data File: N4017.D

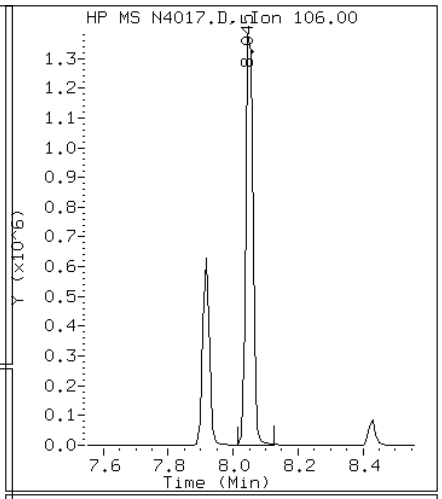
Date: 27-JUL-2011 20:24

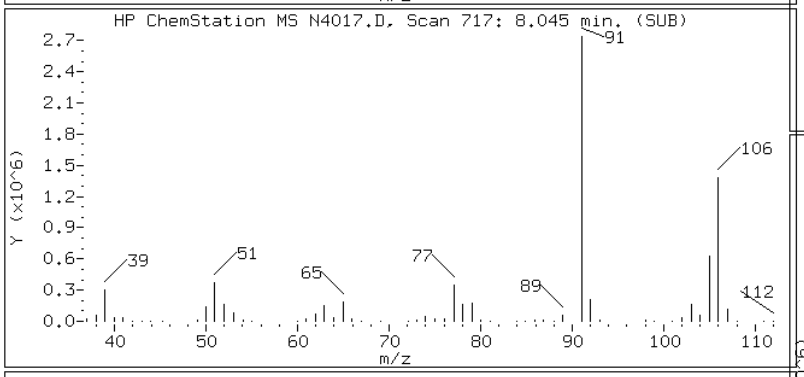
Client ID: SB SE-9-S 13'-15' Instrument: msn.i

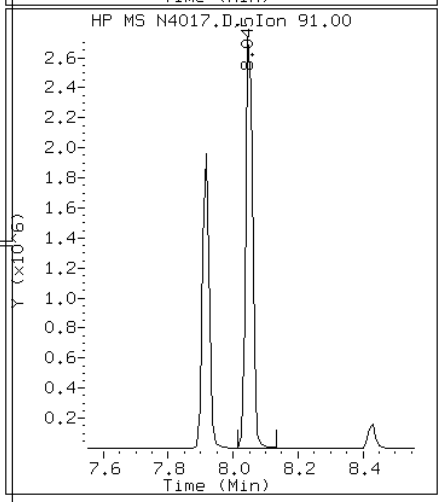
Sample Info: 220-16087-A-1 Operator: D. HUMBERT

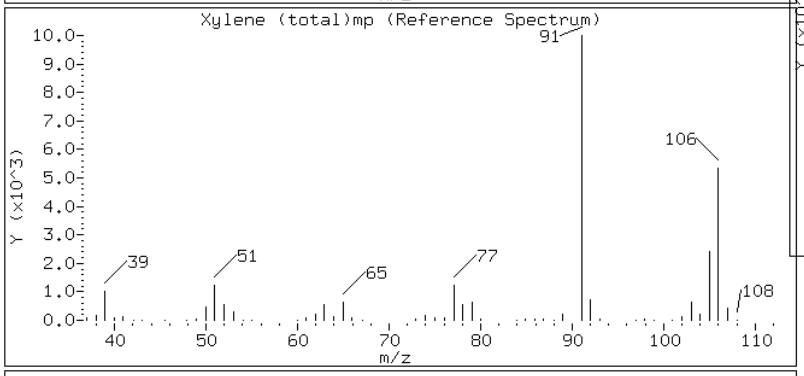
91 Xylene (total)mp

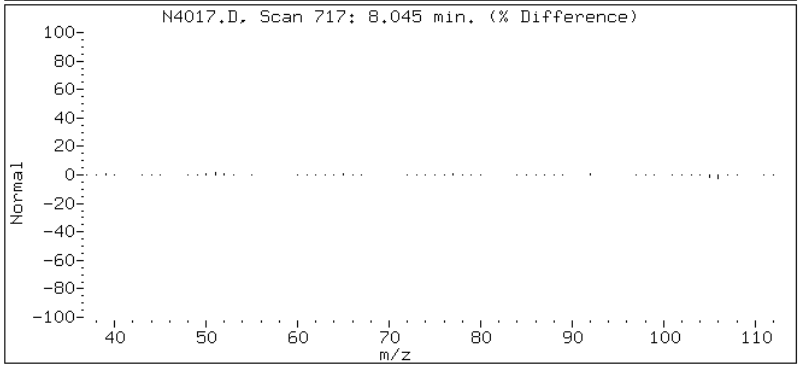












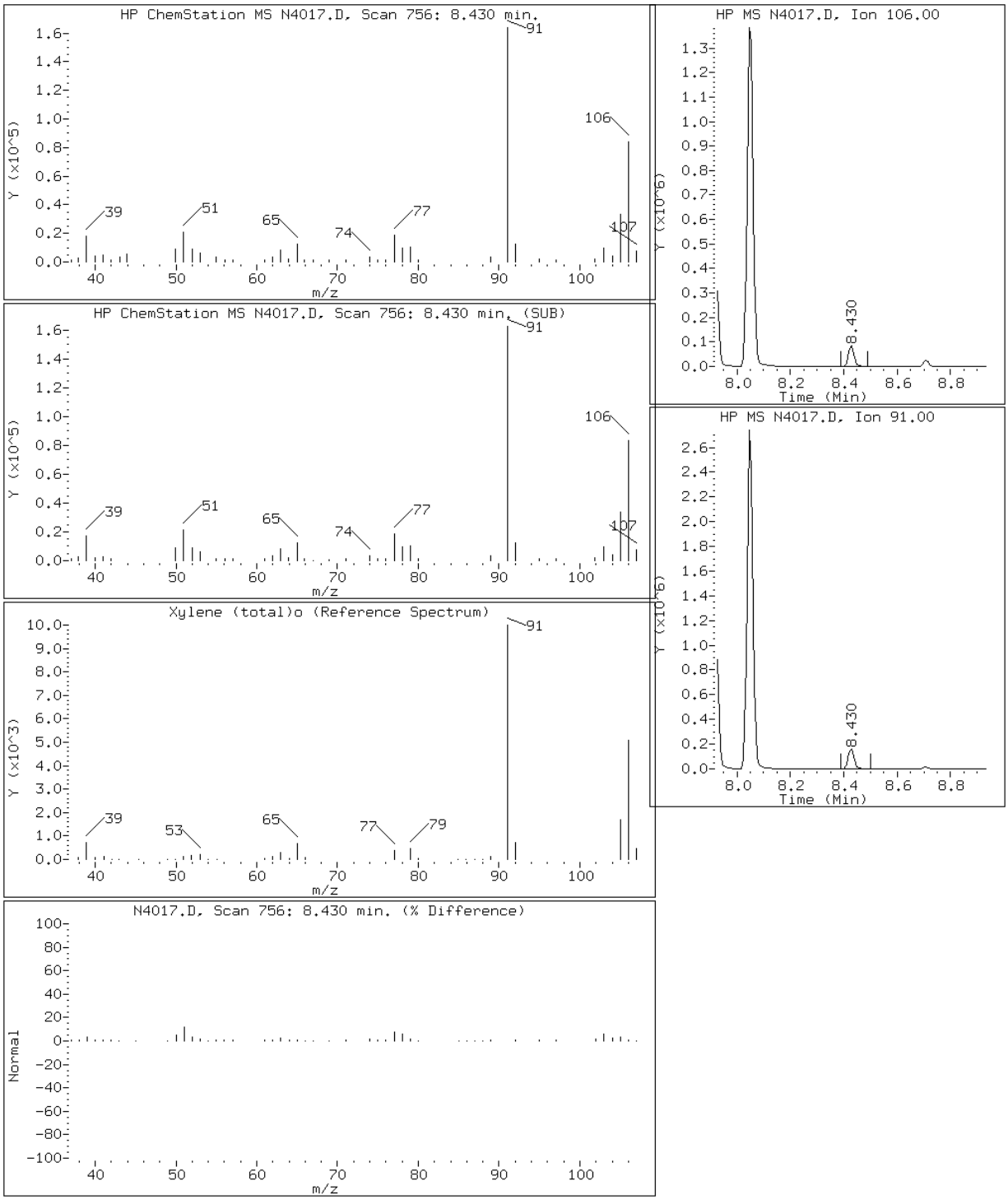
Data File: N4017.D

Date: 27-JUL-2011 20:24

Client ID: SB SE-9-S 13'-15' Instrument: msn.i

Sample Info: 220-16087-A-1 Operator: D. HUMBERT

92 Xylene (total)o



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: SB SE-9-D 18.5'-20' | Lab Sample ID: 220-16087-2

Matrix: Solid | Lab File ID: N4018.D

Analysis Method: 8260B | Date Collected: 07/22/2011 11:00

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	6.0	U	6.0	0.94
75-01-4	Vinyl chloride	6.0	U	6.0	0.28
74-83-9	Bromomethane	6.0	U	6.0	2.5
75-00-3	Chloroethane	6.0	U	6.0	1.2
75-35-4	1,1-Dichloroethene	6.0	U	6.0	0.70
75-15-0	Carbon disulfide	6.0	U	6.0	0.49
75-09-2	Methylene Chloride	13	J B	24	1.3
67-64-1	Acetone	24	U	24	2.7
156-60-5	trans-1,2-Dichloroethene	6.0	U	6.0	0.47
75-34-3	1,1-Dichloroethane	6.0	U	6.0	0.36
156-59-2	cis-1,2-Dichloroethene	6.0	U	6.0	0.44
67-66-3	Chloroform	6.0	U	6.0	0.41
71-55-6	1,1,1-Trichloroethane	6.0	U	6.0	0.64
56-23-5	Carbon tetrachloride	6.0	U	6.0	1.1
78-93-3	2-Butanone (MEK)	12	U	12	1.9
71-43-2	Benzene	61		6.0	0.68
107-06-2	1,2-Dichloroethane	6.0	U	6.0	0.70
79-01-6	Trichloroethene	6.0	U	6.0	0.97
74-95-3	Dibromomethane	6.0	U	6.0	0.77
78-87-5	1,2-Dichloropropane	6.0	U	6.0	0.80
75-27-4	Bromodichloromethane	6.0	U	6.0	0.36
10061-01-5	cis-1,3-Dichloropropene	6.0	U	6.0	0.67
10061-02-6	trans-1,3-Dichloropropene	6.0	U	6.0	0.32
79-00-5	1,1,2-Trichloroethane	6.0	U	6.0	0.44
108-88-3	Toluene	7.4		6.0	0.089
108-10-1	methyl isobutyl ketone	6.0	U	6.0	0.66
127-18-4	Tetrachloroethene	6.0	U	6.0	0.97
591-78-6	2-Hexanone	12	U	12	1.4
108-90-7	Chlorobenzene	6.0	U	6.0	0.71
630-20-6	1,1,1,2-Tetrachloroethane	6.0	U	6.0	0.62
100-41-4	Ethylbenzene	49		6.0	0.84
100-42-5	Styrene	6.0	U	6.0	0.18
75-25-2	Bromoform	6.0	U	6.0	0.73
98-82-8	Isopropylbenzene	7.7		6.0	0.23
103-65-1	N-Propylbenzene	16		6.0	0.73
108-67-8	1,3,5-Trimethylbenzene	32		6.0	0.60

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: SB SE-9-D 18.5'-20' | Lab Sample ID: 220-16087-2

Matrix: Solid | Lab File ID: N4018.D

Analysis Method: 8260B | Date Collected: 07/22/2011 11:00

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 16.6 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	6.0	U	6.0	0.35
95-63-6	1,2,4-Trimethylbenzene	130		6.0	0.91
135-98-8	sec-Butylbenzene	1.2	J	6.0	0.64
99-87-6	p-Isopropyltoluene	6.0	U	6.0	0.64
104-51-8	n-Butylbenzene	6.0	U	6.0	1.4
91-20-3	Naphthalene	24		6.0	0.35
1330-20-7	Xylenes, Total	210		6.0	0.58
179601-23-1	m&p-Xylene	180		6.0	0.42
95-47-6	o-Xylene	32		6.0	0.23
1634-04-4	Methyl tert-butyl ether	6.0	U	6.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		59-132
460-00-4	4-Bromofluorobenzene	100		34-124
1868-53-7	Dibromofluoromethane	88		59-123
2037-26-5	Toluene-d8 (Surr)	93		50-118

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N4018.D
Lab Smp Id: 220-16087-A-2 Client Smp ID: SB SE-9-D 18.5'-20'
Inj Date : 27-JUL-2011 20:50 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : 220-16087-A-2
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 74
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1001

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
*	1 Fluorobenzene	96	4.777	4.785	(1.000)	619133	25.0000	
	20 Methylene Chloride	84	2.255	2.263	(0.472)	127454	10.8292	11
	27 Isopropyl ether	45	2.709	2.706	(0.567)	37958	0.94573	0.9
	37 Cyclohexane	84	3.536	3.544	(0.740)	159339	12.2711	12
	38 Chloroform	83	3.605	3.603	(0.755)	2600	0.19408	0.2
$	41 Dibromofluoromethane	111	3.802	3.810	(0.796)	201093	21.9032	22
	52 Benzene	78	4.295	4.292	(0.899)	1696787	51.0684	51
$	55 1,2-Dichloroethane-d4	65	4.452	4.450	(0.932)	179975	22.2517	22
	59 Methyl Cyclohexane	83	4.965	4.972	(1.039)	272775	18.3727	18
*	75 Chlorobenzene-d5	117	7.861	7.868	(1.000)	523165	25.0000	
	76 Toluene	91	6.482	6.479	(0.825)	214200	6.19027	6
$	77 Toluene-d8	98	6.432	6.430	(0.818)	699457	23.2260	23
	90 Ethylbenzene	106	7.920	7.918	(1.008)	484412	40.5532	40
	91 Xylene (total)mp	106	8.048	8.056	(1.024)	2236860	149.412	150
	92 Xylene (total)o	106	8.422	8.430	(1.071)	376243	26.3598	26
*	95 1,4-Dichlorobenzene-d4	152	9.920	9.927	(1.000)	220673	25.0000	
	96 Isopropylbenzene	105	8.708	8.716	(0.878)	229743	6.37857	6
	99 4-Ethyltoluene	105	9.161	9.179	(0.924)	2291674	61.2393	61
	102 n-Propylbenzene	91	9.073	9.080	(0.915)	581079	12.9210	13
	105 1,3,5-Trimethylbenzene	105	9.250	9.258	(0.932)	781392	26.4540	26

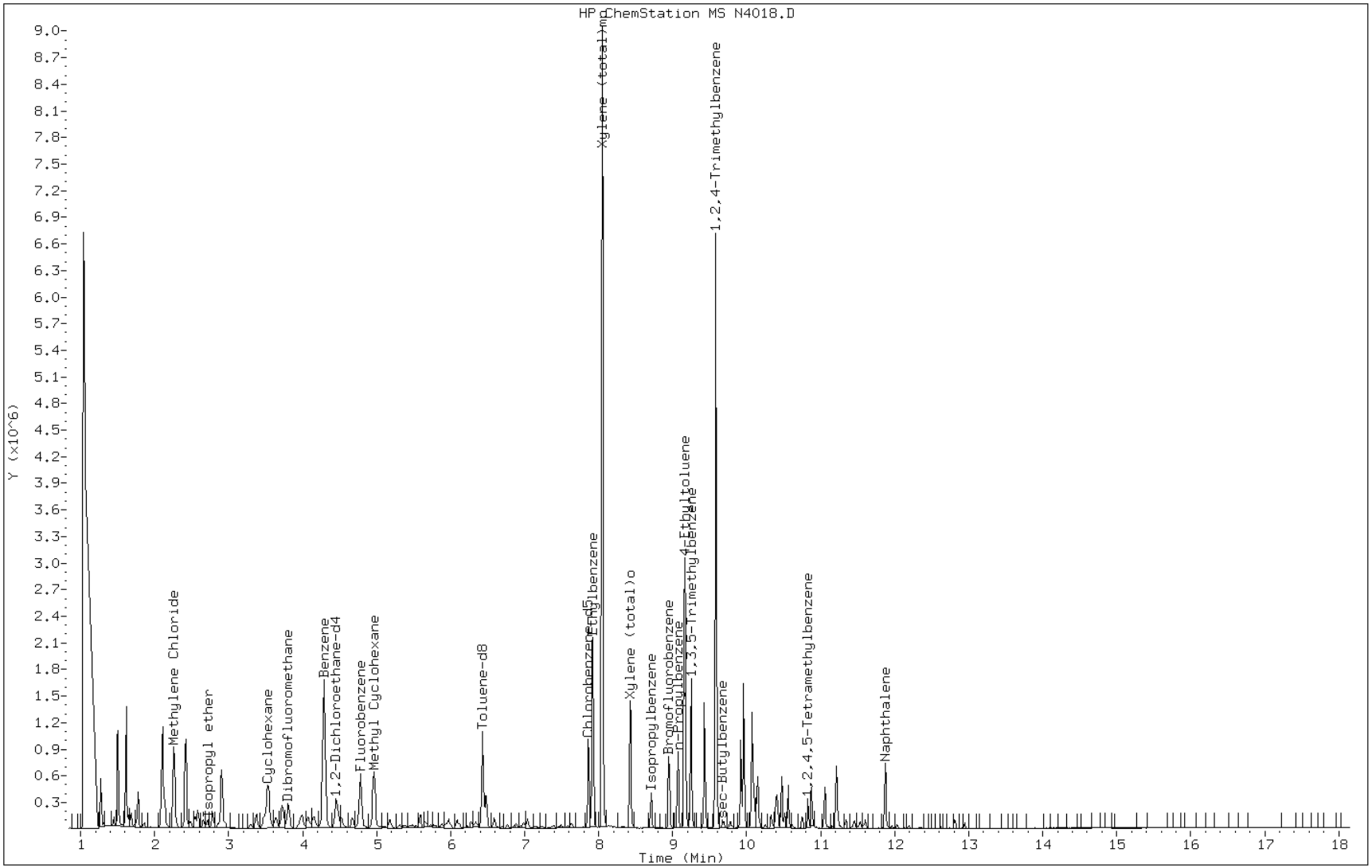
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
107 1,2,4-Trimethylbenzene	105	9.585	9.583	(0.966)	3134077	105.879	100
108 sec-Butylbenzene	105	9.674	9.681	(0.975)	41776	1.01357	1
118 1,2,4,5-Tetramethylbenzene	119	10.826	10.834	(1.091)	147929	5.79814	6
123 Naphthalene	128	11.871	11.878	(1.197)	512486	20.2917	20
$ 125 Bromofluorobenzene	95	8.945	8.952	(0.902)	273795	24.9175	25

Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT



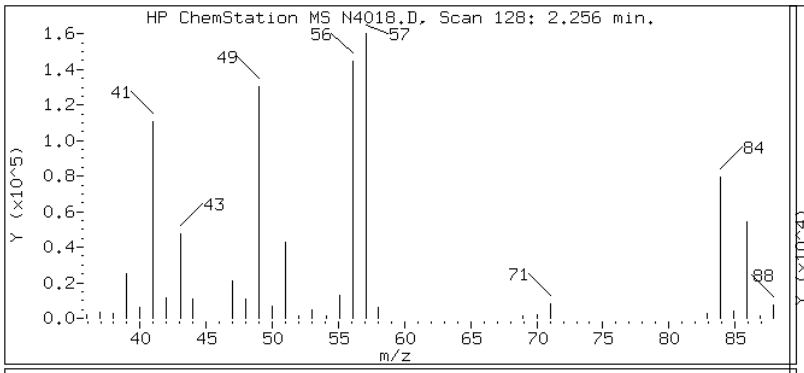
Data File: N4018.D

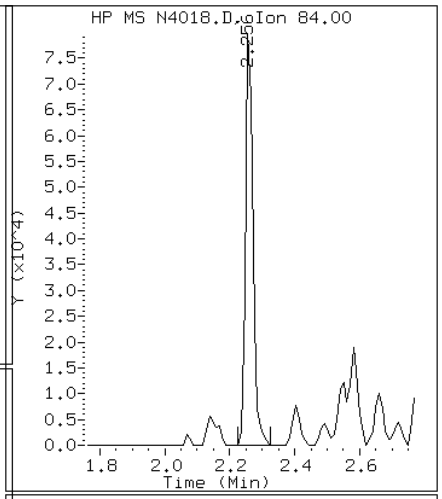
Date: 27-JUL-2011 20:50

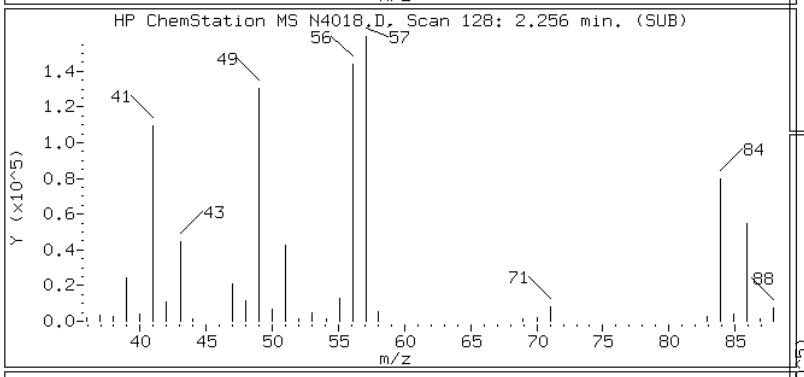
Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

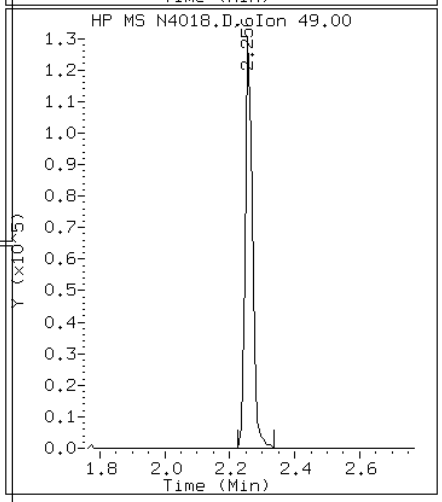
Sample Info: 220-16087-A-2 Operator: D. HUMBERT

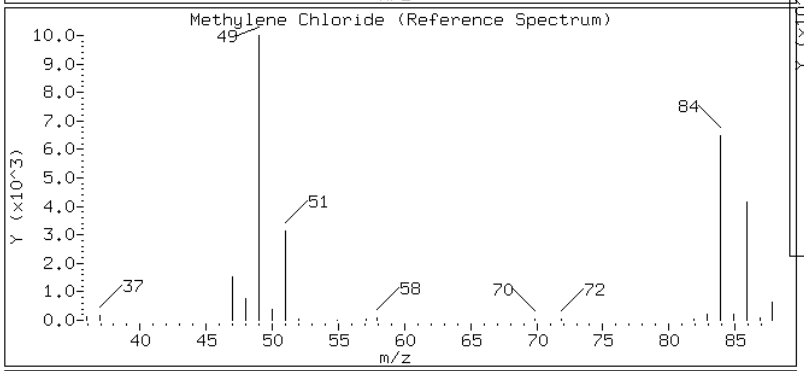
20 Methylene Chloride

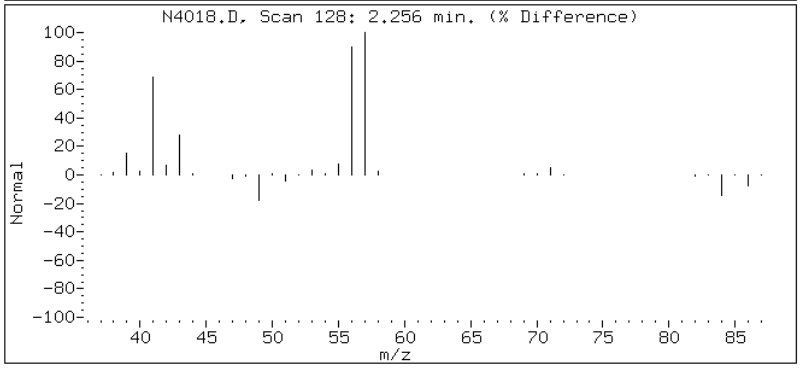












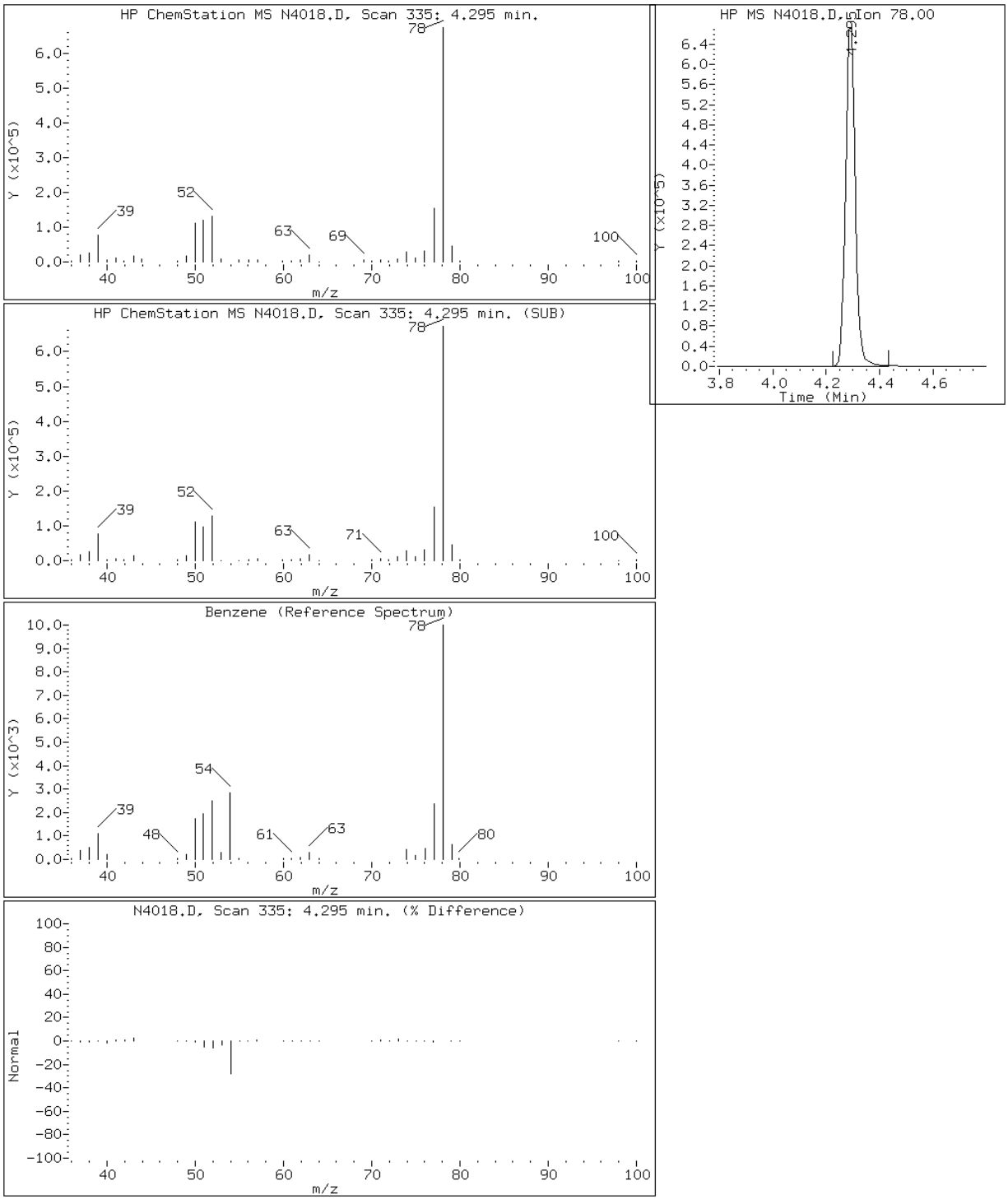
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

52 Benzene



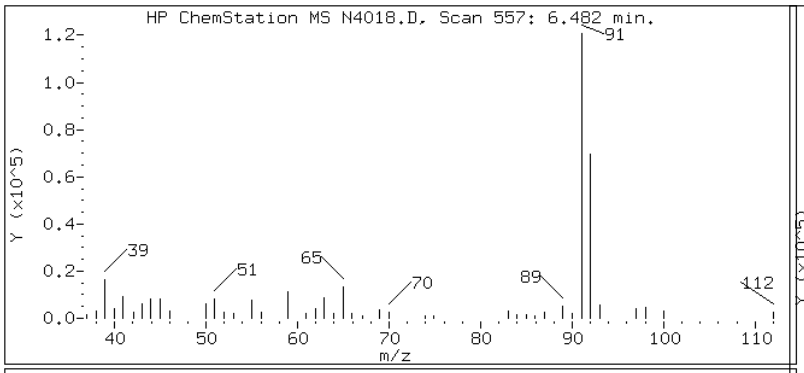
Data File: N4018.D

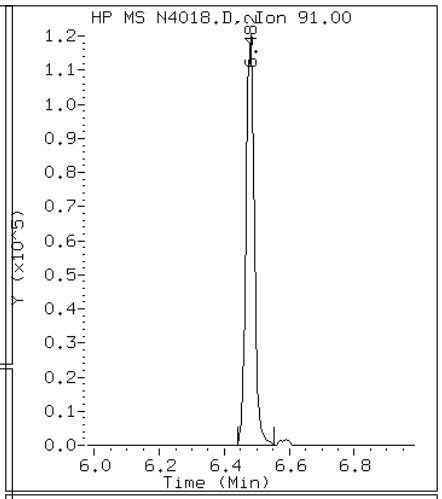
Date: 27-JUL-2011 20:50

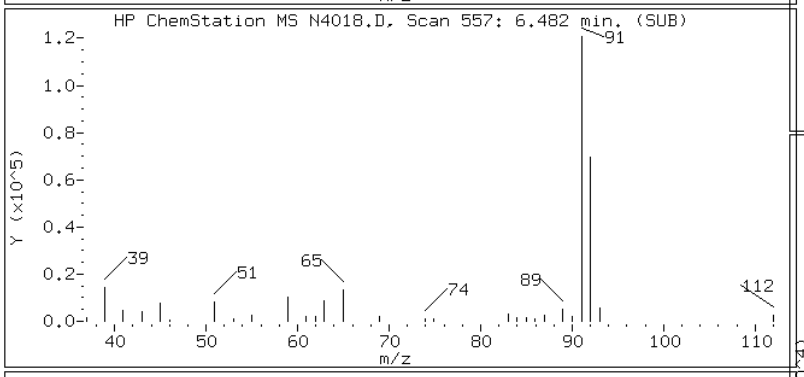
Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

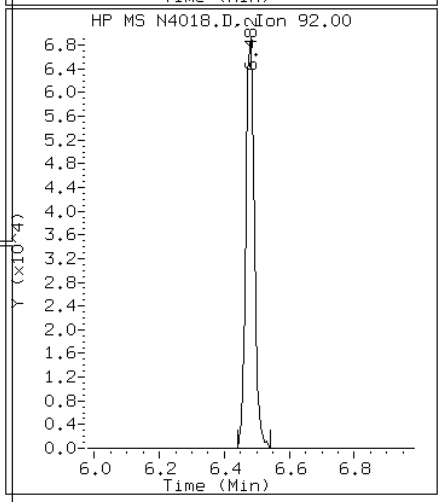
Sample Info: 220-16087-A-2 Operator: D. HUMBERT

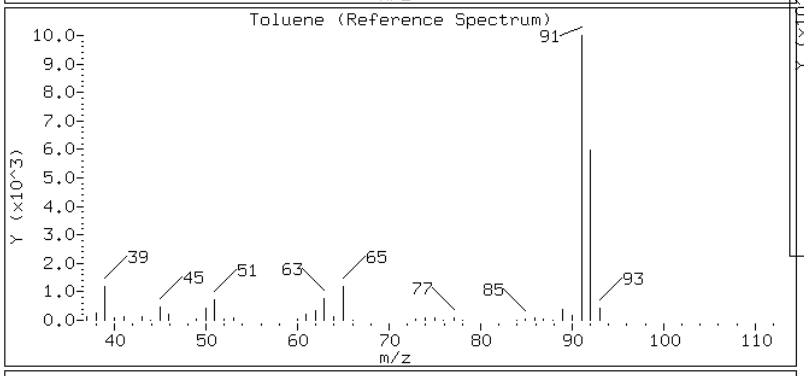
76 Toluene

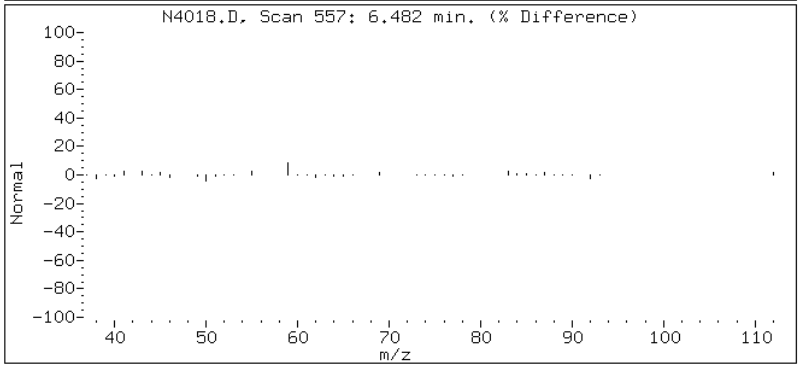












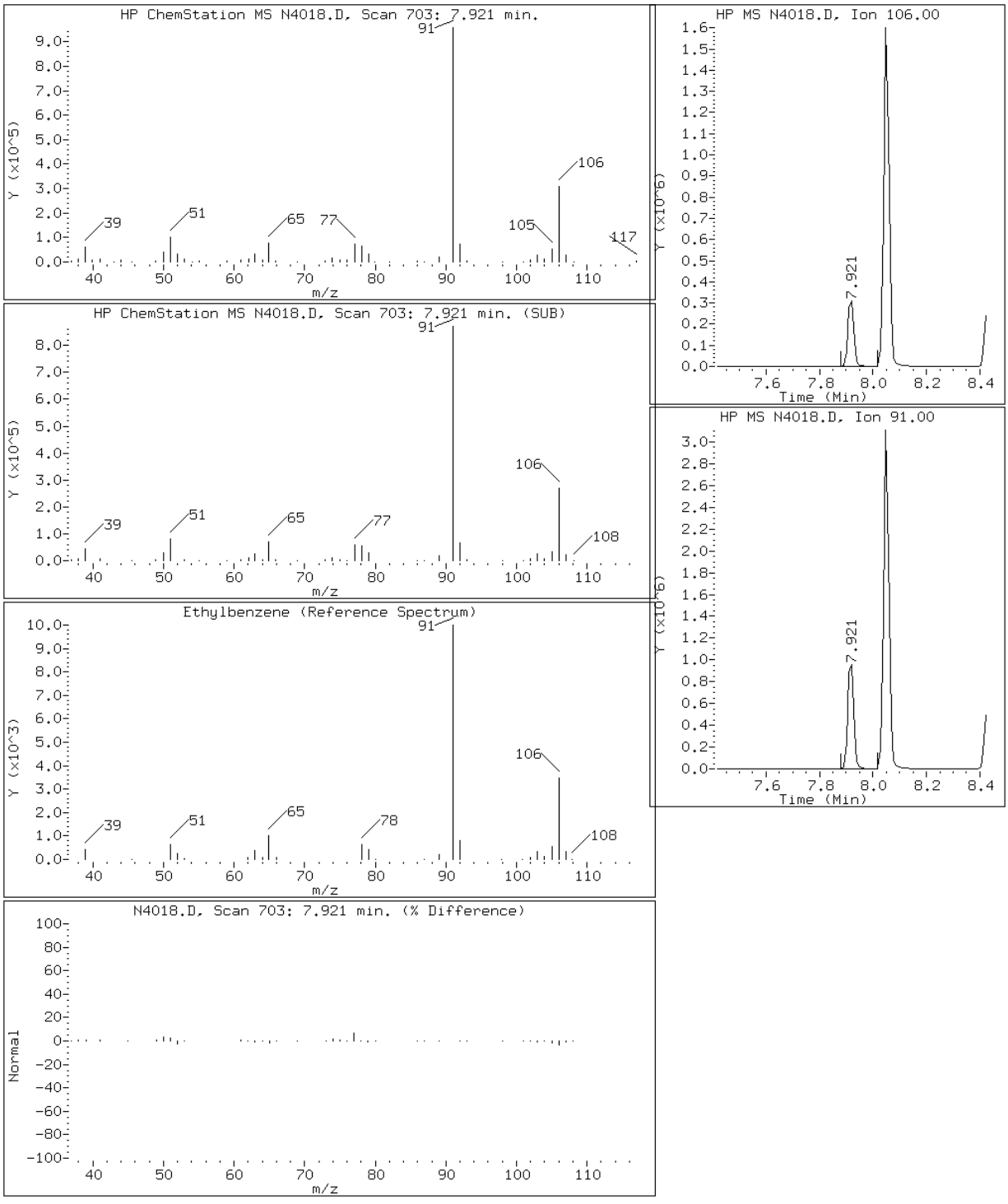
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

90 Ethylbenzene



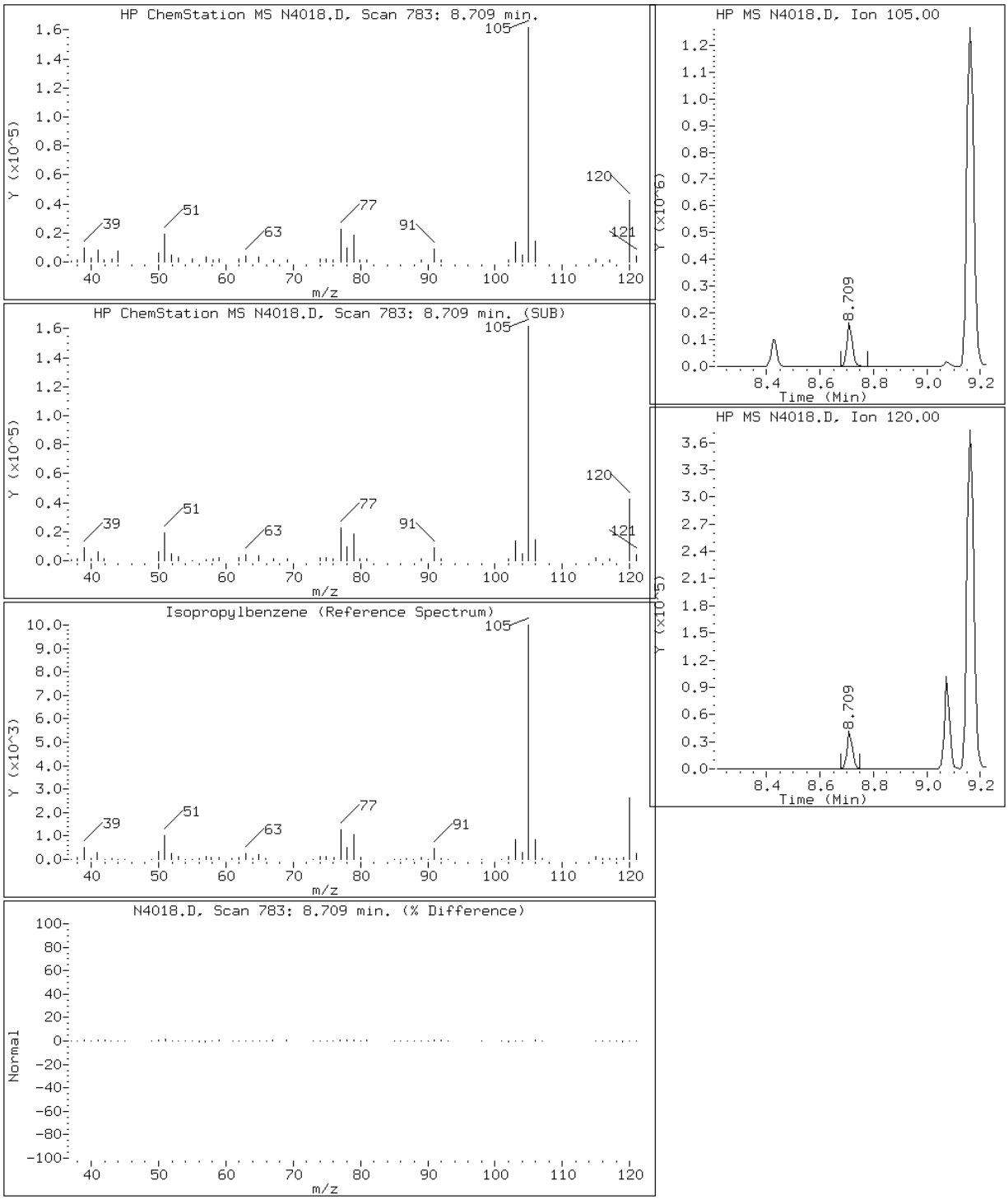
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

96 Isopropylbenzene



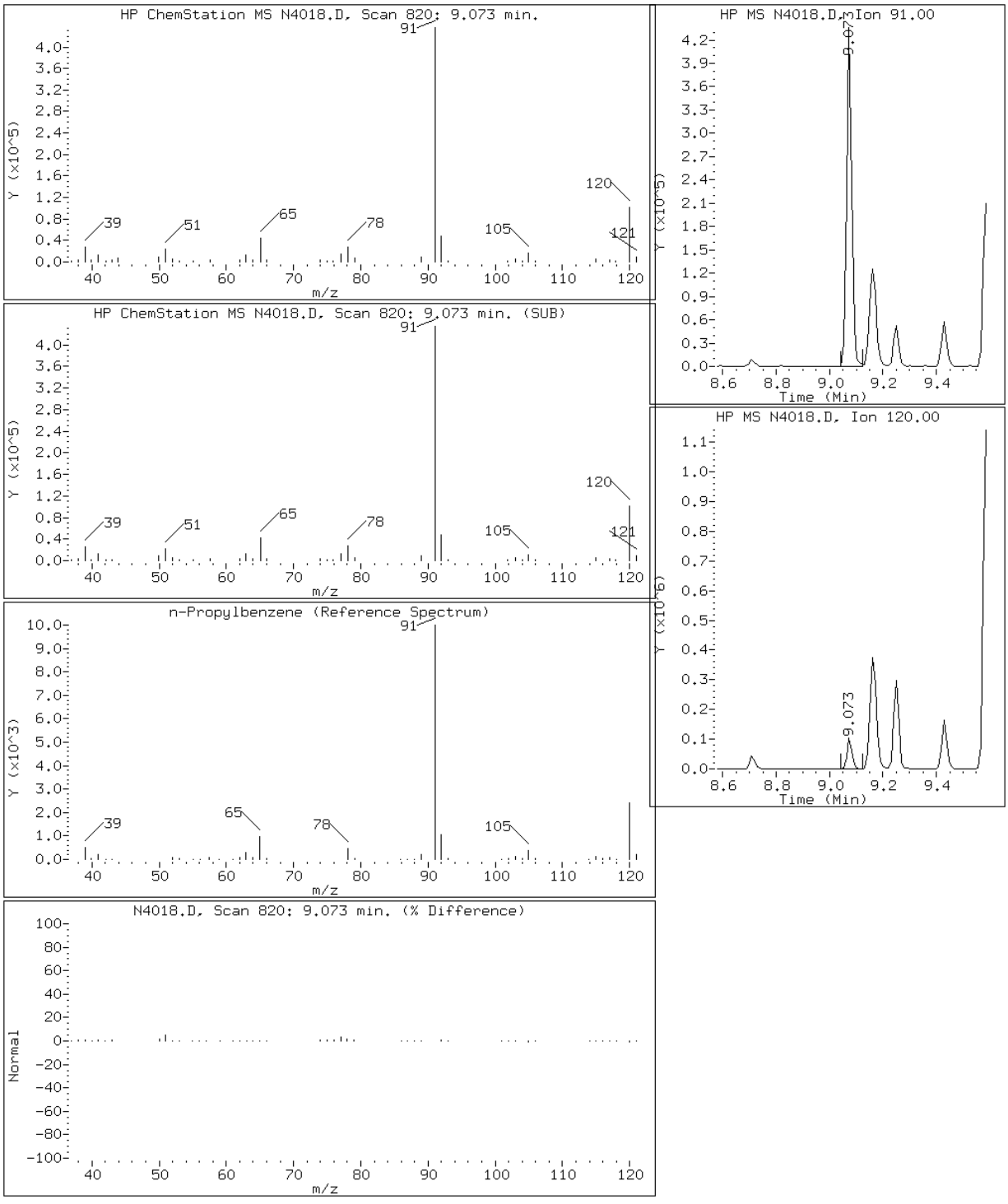
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

102 n-Propylbenzene



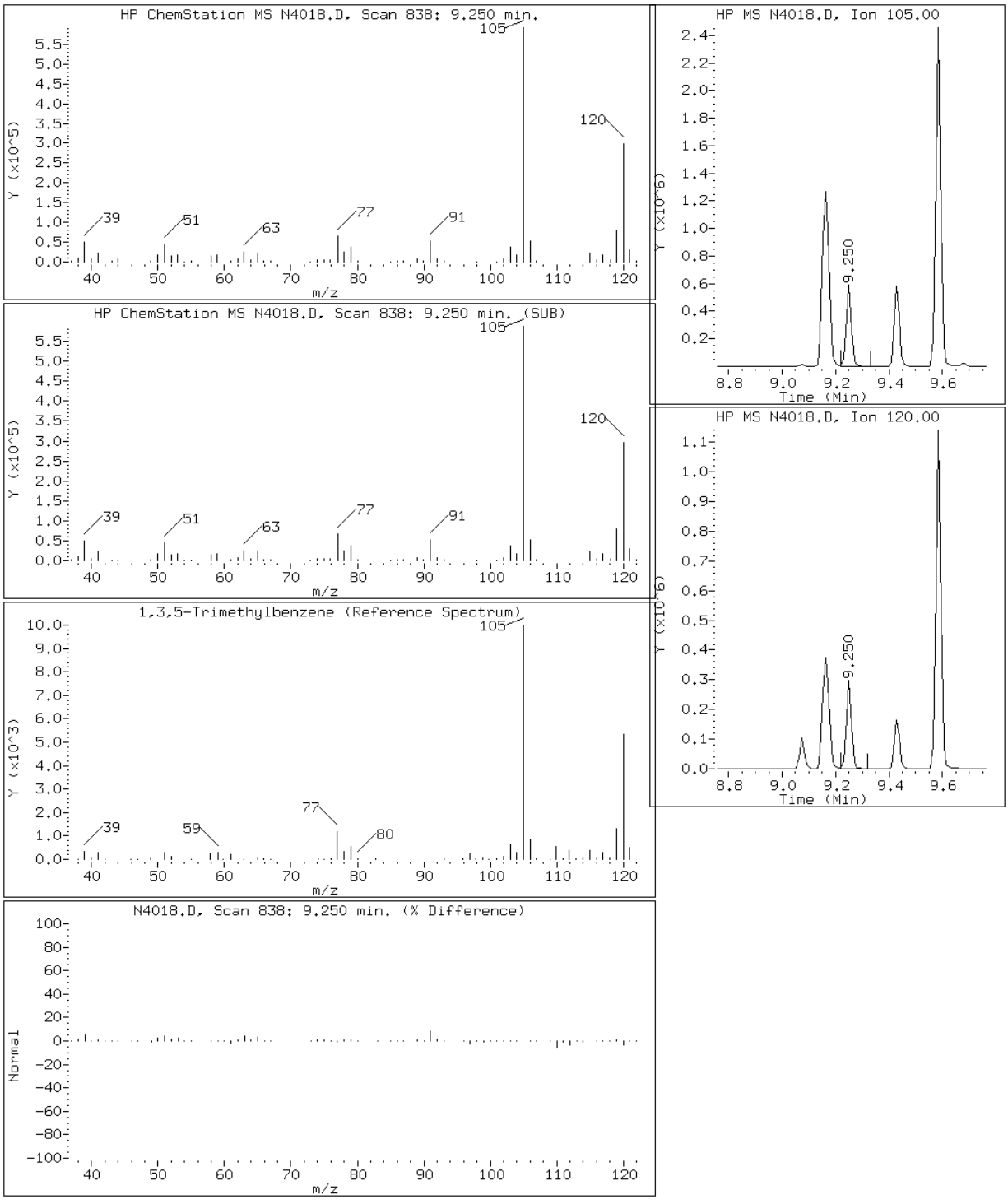
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

105 1,3,5-Trimethylbenzene



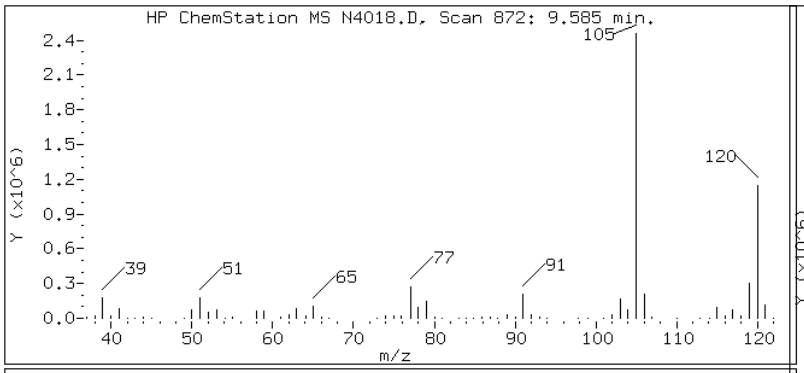
Data File: N4018.D

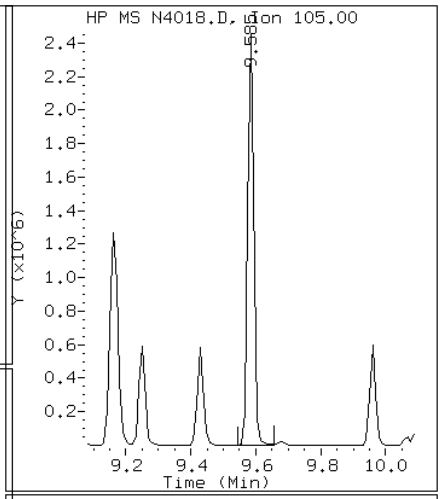
Date: 27-JUL-2011 20:50

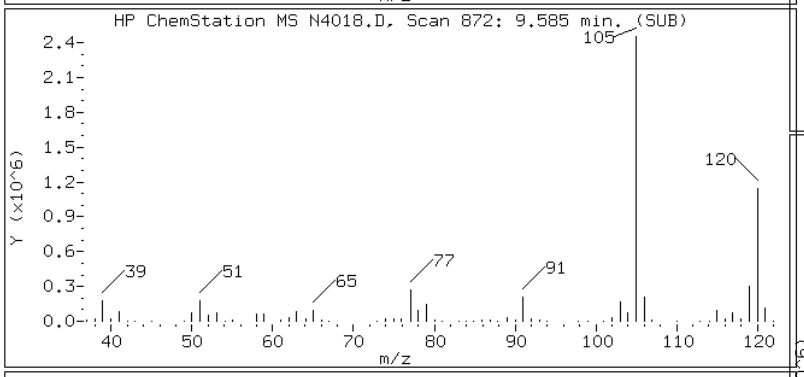
Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

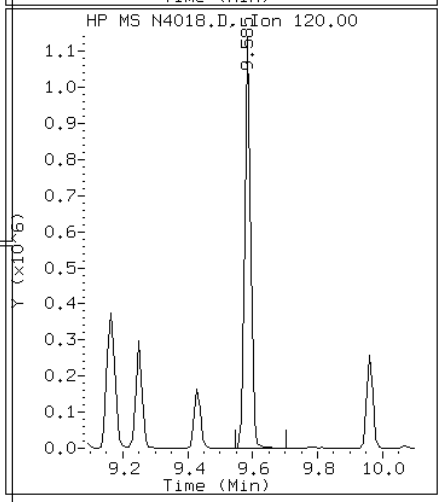
Sample Info: 220-16087-A-2 Operator: D. HUMBERT

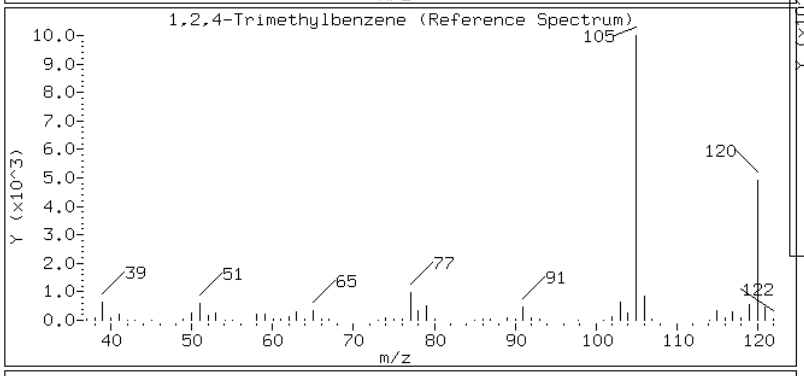
107 1,2,4-Trimethylbenzene

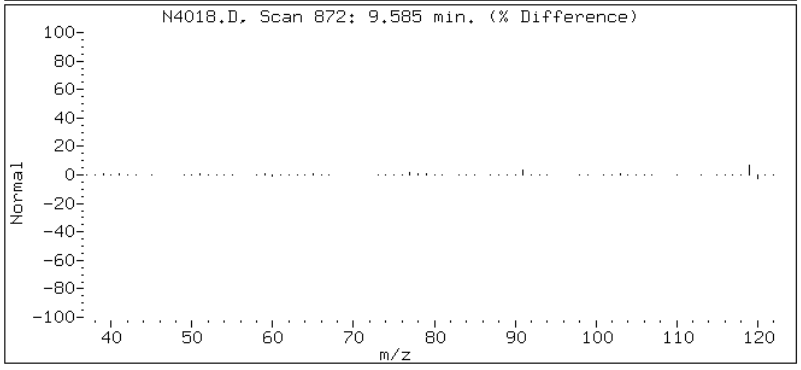












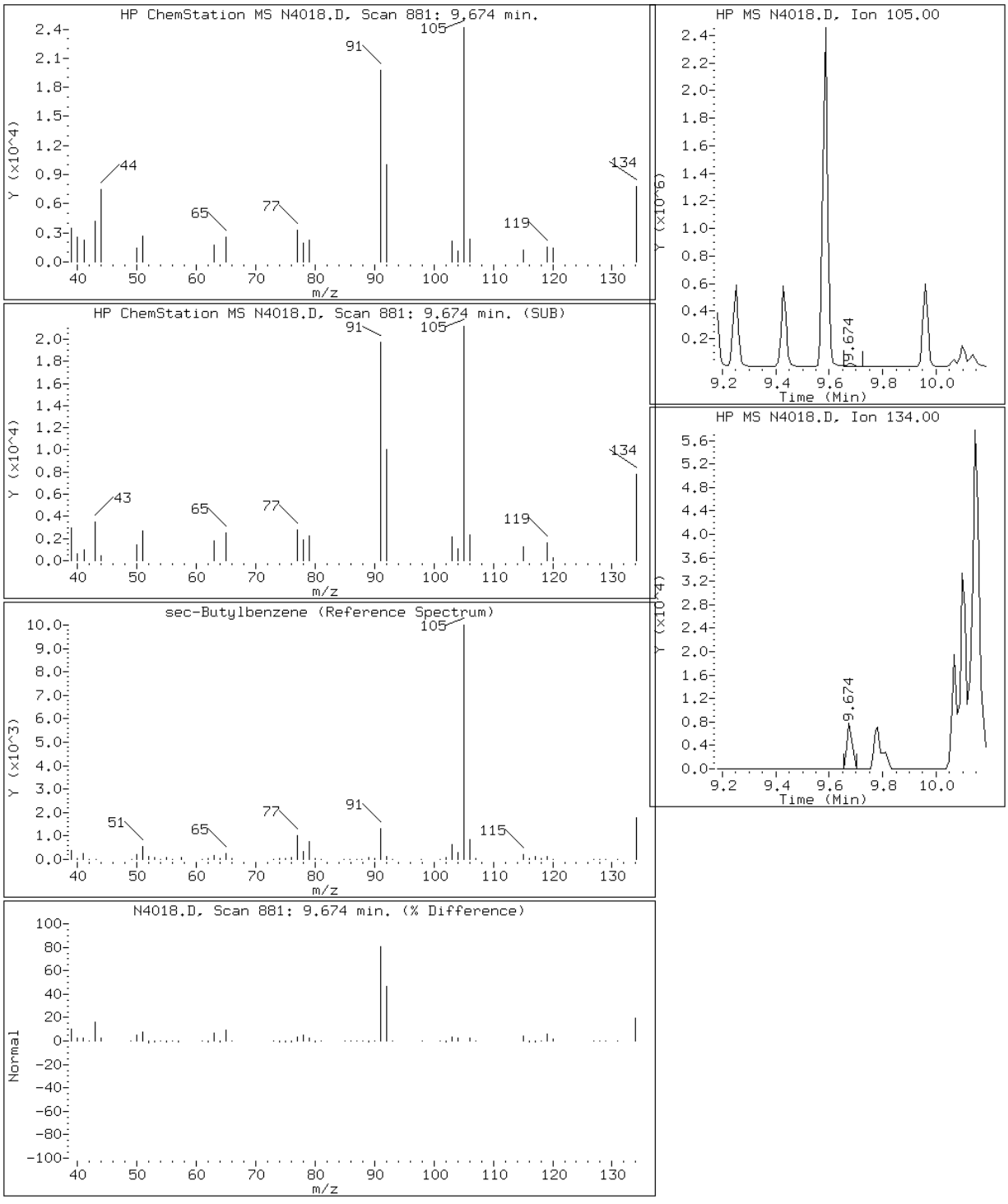
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

108 sec-Butylbenzene



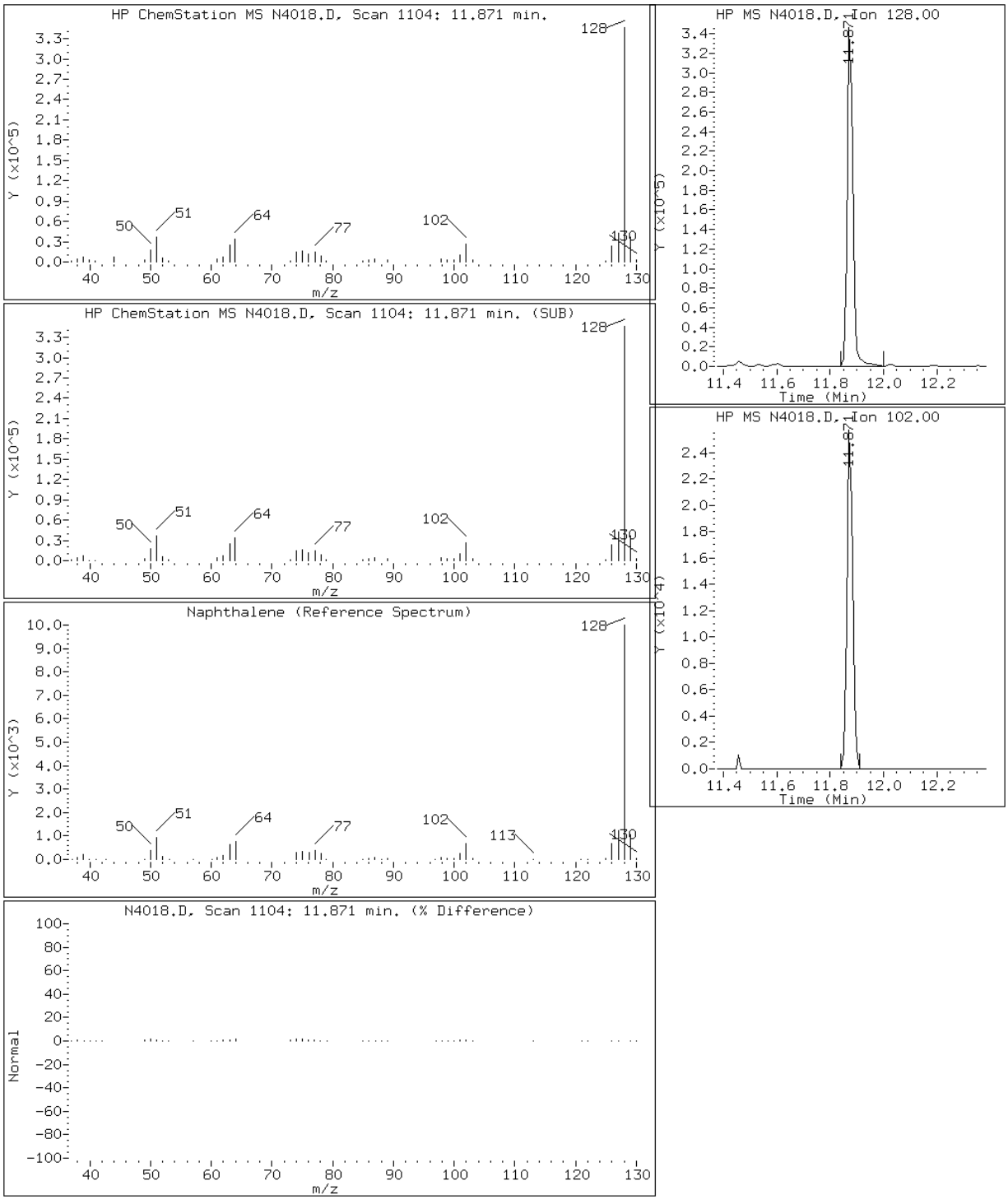
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

123 Naphthalene



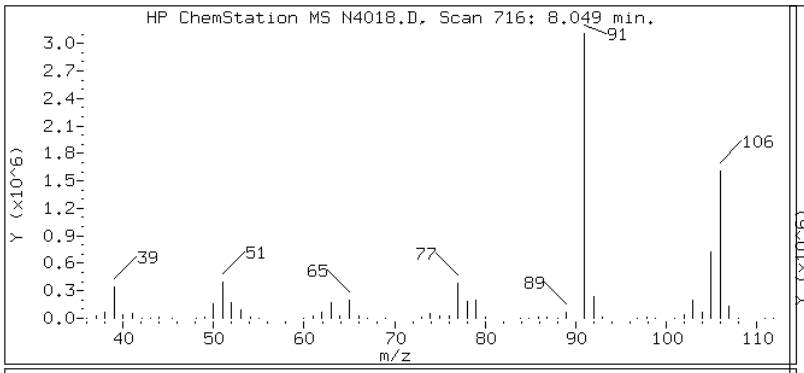
Data File: N4018.D

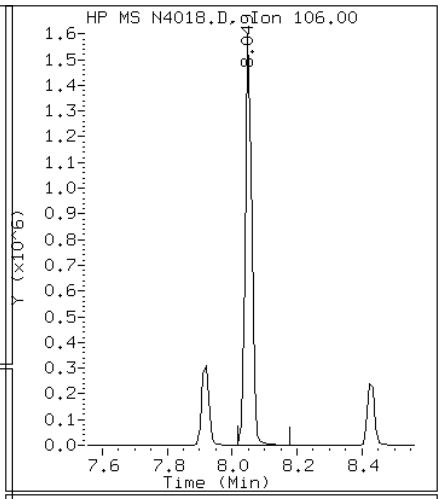
Date: 27-JUL-2011 20:50

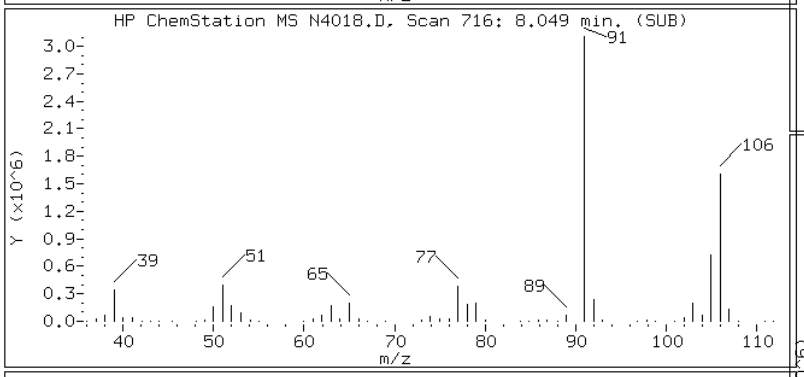
Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

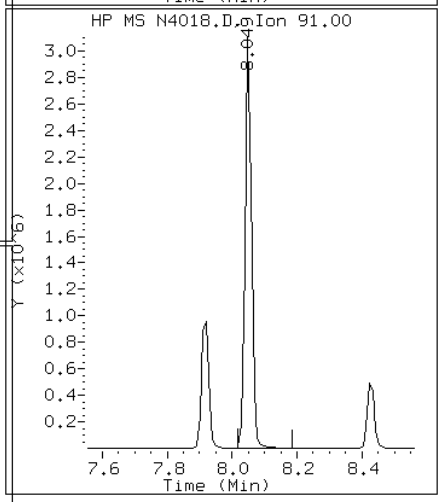
Sample Info: 220-16087-A-2 Operator: D. HUMBERT

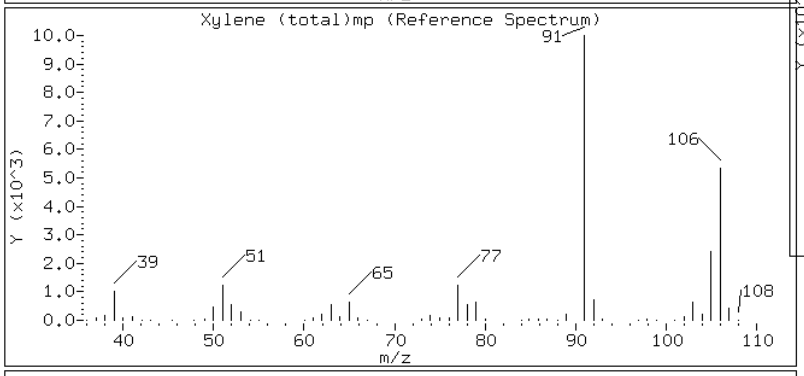
91 Xylene (total)mp

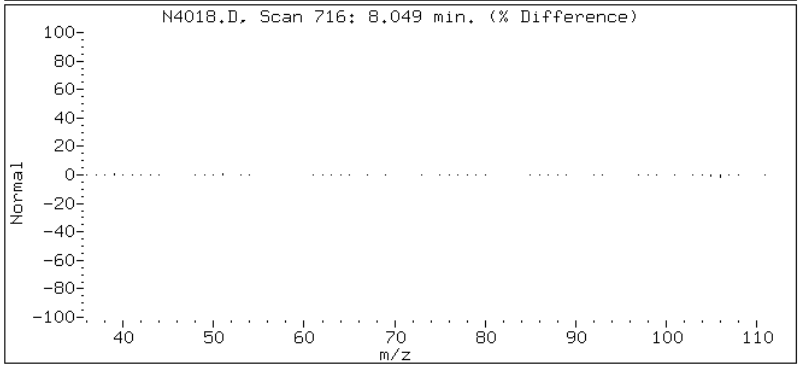












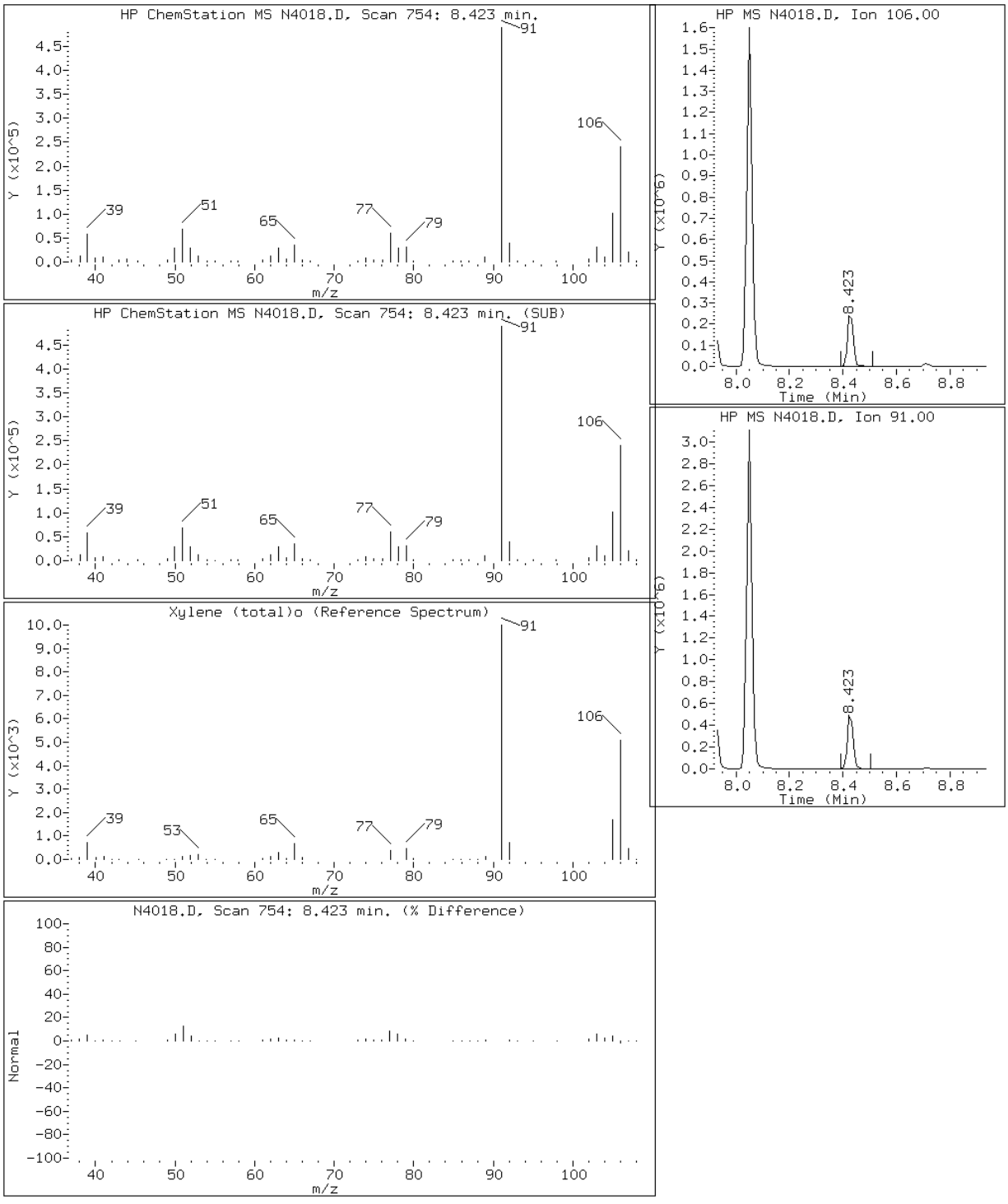
Data File: N4018.D

Date: 27-JUL-2011 20:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msn.i

Sample Info: 220-16087-A-2 Operator: D. HUMBERT

92 Xylene (total)o



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52848/6	N3729.D
Level 2	IC 220-52848/5	N3728.D
Level 3	IC 220-52848/4	N3727.D
Level 4	IC 220-52848/3	N3726.D
Level 5	IC 220-52848/2	N3725.D
Level 6	IC 220-52848/1	N3724.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Heptane	+++++ 0	0	0	0	0	Ave								15.0			
Dichlorodifluoromethane	0.0334 0.0381	0.0726	0.0787	0.0841	0.1073	Ave		0.0690				41.1	*	15.0			
Chloromethane	0.5037 0.5666	0.4848	0.5511	0.5360	0.5596	Ave		0.5336			0.1000	6.1		15.0			
Vinyl chloride	0.3555 0.3754	0.3499	0.3892	0.3681	0.3849	Ave		0.3705				4.2		30.0			
Bromomethane	0.1994 0.1353	0.1797	0.1910	0.1504	0.1263	Ave		0.1637				18.6	*	15.0			
Chloroethane	0.2787 0.1458	0.2236	0.2368	0.2008	0.1766	Ave		0.2104				22.2	*	15.0			
Trichlorofluoromethane	0.3386 0.3139	0.3311	0.3597	0.3389	0.3396	Ave		0.3370				4.4		15.0			
Dichlorofluoromethane	0.5673 0.4709	0.5624	0.5649	0.5201	0.5205	Ave		0.5344				7.1		15.0			
Ethyl ether	0.3039 0.2614	0.2957	0.2898	0.2779	0.2746	Ave		0.2839				5.5		15.0			
Ethanol	0.0175 0.0153	0.0187	0.0198	0.0174	0.0181	Ave		0.0178				8.4		15.0			
1,1-Dichloroethene	0.2700 0.2784	0.2696	0.2798	0.2783	0.2866	Ave		0.2771				2.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3059 0.3413	0.3305	0.3368	0.3381	0.3487	Ave		0.3335				4.4		15.0			
Carbon disulfide	1.0968 1.2248	1.0813	1.1593	1.1745	1.2382	Ave		1.1625				5.5		15.0			
Iodomethane	0.3326 0.3736	0.3347	0.3807	0.3767	0.3889	Ave		0.3645				6.7		15.0			
Isopropyl alcohol	0.0377 0.0350	0.0412	0.0372	0.0306	0.0325	Ave		0.0357				10.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	0.0672 0.0765	0.0753	0.0738	0.0726	0.0768	Ave		0.0737				4.8		15.0			
3-Chloro-1-propene	0.6726 0.7076	0.6824	0.6973	0.6932	0.7156	Ave		0.6948				2.3		15.0			
Methylene Chloride	+++++ 0.7579	0.4525	0.4016	0.3782	0.3860	Ave		0.4752				33.8	*	15.0			
Acetone	+++++ 0.2568	0.2763	0.2467	0.2634	0.2402	Ave		0.2567				5.5		15.0			
Methyl acetate	2.2493 3.3064	2.3876	2.2941	2.3016	2.4015	Qua	-0.176	0.5452	-0.009						0.9984		
trans-1,2-Dichloroethene	0.3440 0.2549	0.3283	0.3405	0.3373	0.3508	Ave		0.3260				10.9		15.0			
Methyl tert-butyl ether	0.9337	0.9597	0.9374	0.9593	0.9818	Ave		0.9544				2.0		15.0			
tert-Butyl alcohol	0.0587	0.0669	0.0607	0.0602	0.0665	Ave		0.0626				6.1		15.0			
Acetonitrile	0.0615 0.0566	0.0598	0.0575	0.0538	0.0593	Ave		0.0581				4.6		15.0			
Isopropyl ether	1.6024 1.6609	1.5909	1.6057	1.6137	1.6503	Ave		1.6207				1.7		15.0			
2-Chloro-1,3-butadiene	0.2888 0.3348	0.3029	0.3106	0.3132	0.3310	Ave		0.3135				5.5		15.0			
1,1-Dichloroethane	0.6360 0.6672	0.6556	0.6618	0.6598	0.6801	Ave		0.6601			0.1000	2.2		15.0			
Acrylonitrile	0.1959 0.2089	0.2179	0.2146	0.2097	0.2095	Ave		0.2094				3.6		15.0			
Tert-butyl ethyl ether	1.2001 1.2332	1.2042	1.2120	1.2124	1.2404	Ave		1.2171				1.3		15.0			
Vinyl acetate	0.9990 1.1087	1.1029	1.0748	1.0733	1.0885	Ave		1.0745				3.7		15.0			
cis-1,2-Dichloroethene	0.3735 0.3853	0.3709	0.3802	0.3758	0.3929	Ave		0.3798				2.2		15.0			
2,2-Dichloropropane	0.4549 0.4276	0.3973	0.4130	0.4076	0.4364	Ave		0.4228				5.0		15.0			
Bromochloromethane	0.1923 0.1953	0.2010	0.1960	0.1915	0.2007	Ave		0.1961				2.1		15.0			
Cyclohexane	0.5019 0.5430	0.4993	0.5287	0.5256	0.5474	Ave		0.5243				3.8		15.0			
Chloroform	0.5422 0.5487	0.5352	0.5367	0.5291	0.5537	Ave		0.5409				1.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	0.0916 0.0360	0.0447	0.0350	0.0321	0.0330	Lin	-0.225	0.0341							0.9916		
Methyl acrylate	0.3928 0.4693	0.4271	0.4487	0.4466	0.4724	Ave		0.4428				6.7		15.0			
Carbon tetrachloride	0.3040 0.3529	0.3141	0.3360	0.3328	0.3560	Ave		0.3326				6.2		15.0			
Tetrahydrofuran	0.1764 0.1961	0.1967	0.1872	0.1829	0.1989	Ave		0.1897				4.7		15.0			
1,1,1-Trichloroethane	0.3733 0.4261	0.3976	0.4060	0.4050	0.4280	Ave		0.4060				5.0		15.0			
2-Butanone (MEK)	0.3201 0.3569	0.3333	0.3214	0.3418	0.3403	Ave		0.3356				4.1		15.0			
1,1-Dichloropropene	0.4632 0.4787	0.4555	0.4598	0.4603	0.4773	Ave		0.4658				2.1		15.0			
1-Chlorobutane	0.7521 0.7887	0.7574	0.7613	0.7612	0.7978	Ave		0.7698				2.4		15.0			
Benzene	1.3416 1.3649	1.3227	1.3222	1.3179	1.3805	Ave		1.3416				1.9		15.0			
Propionitrile	0.0641 0.0724	0.0711	0.0706	0.0690	0.0755	Ave		0.0705				5.4		15.0			
Methacrylonitrile	0.3421 0.3333	0.3279	0.3167	0.3151	0.3343	Ave		0.3282				3.2		15.0			
Tert-amyl methyl ether	0.9366 0.9949	1.0064	0.9717	0.9888	1.0093	Ave		0.9846				2.8		15.0			
1,2-Dichloroethane	0.3989 0.3960	0.3955	0.3890	0.3840	0.3985	Ave		0.3936				1.5		15.0			
Isobutyl alcohol	0.0147 0.0181	0.0185	0.0179	0.0178	0.0189	Ave		0.0177				8.5		15.0			
Methylcyclohexane	0.5890 0.6091	0.5880	0.5978	0.5979	0.6152	Ave		0.5995				1.8		15.0			
Trichloroethene	0.3272 0.3590	0.3432	0.3483	0.3399	0.3629	Ave		0.3467				3.8		15.0			
Dibromomethane	0.2258 0.2321	0.2281	0.2260	0.2291	0.2387	Ave		0.2299				2.1		15.0			
1,2-Dichloropropane	0.4009 0.4161	0.4100	0.4185	0.4081	0.4266	Ave		0.4134				2.2		30.0			
Ethyl acrylate	0.5732 0.6336	0.6705	0.6341	0.5964	0.7048	Ave		0.6354				7.5		15.0			
Bromodichloromethane	0.3497 0.3988	0.3733	0.3737	0.3850	0.4062	Ave		0.3811				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2767 0.3233	0.3099	0.3145	0.3166	0.3295	Ave		0.3117				5.9		15.0			
1,4-Dioxane	0.0019 0.0038	0.0043	0.0035	0.0031	0.0034	Ave		0.0033				24.7	*	15.0			
2-Chloroethyl vinyl ether	0.1715 0.2165	0.2089	0.2094	0.2141	0.2156	Ave		0.2060				8.4		15.0			
cis-1,3-Dichloropropene	0.5019 0.5688	0.5284	0.5449	0.5470	0.5718	Ave		0.5438				4.8		15.0			
Toluene	1.6325 1.7168	1.5923	1.6080	1.6563	1.7153	Ave		1.6535				3.2		30.0			
Chloroacetonitrile	0.0159 0.0200	0.0183	0.0188	0.0192	0.0209	Ave		0.0189				9.0		15.0			
2-Nitropropane	0.0833 0.1039	0.0936	0.0935	0.0937	0.1049	Ave		0.0955				8.4		15.0			
1,1-Dichloro-2-propanone	0.2692 0.3990	0.3460	0.3499	0.3643	0.3923	Ave		0.3535				13.2		15.0			
Tetrachloroethene	0.2753 0.3011	0.2825	0.2877	0.2942	0.2992	Ave		0.2900				3.5		15.0			
methyl isobutyl ketone	0.6196 0.7003	0.6763	0.6477	0.6742	0.7018	Ave		0.6700				4.7		15.0			
trans-1,3-Dichloropropene	0.4235 0.4898	0.4627	0.4619	0.4799	0.4978	Ave		0.4693				5.7		15.0			
1,1,2-Trichloroethane	0.2878 0.3006	0.3085	0.3026	0.3006	0.3091	Ave		0.3015				2.6		15.0			
Ethyl methacrylate	0.4773 0.5845	0.5363	0.5498	0.5792	0.5871	Ave		0.5523				7.6		15.0			
Dibromochloromethane	0.3263 0.4282	0.3789	0.3983	0.4200	0.4333	Ave		0.3975				10.2		15.0			
1,3-Dichloropropane	0.6502 0.6781	0.6680	0.6556	0.6743	0.6812	Ave		0.6679				1.9		15.0			
1,2-Dibromoethane	0.4113 0.4489	0.4237	0.4264	0.4452	0.4539	Ave		0.4349				3.9		15.0			
2-Hexanone	0.4745 0.5536	0.5008	0.4976	0.5504	0.5387	Ave		0.5193				6.3		15.0			
Chlorobenzene	1.1200 1.1225	1.0920	1.1023	1.1170	1.1516	Ave		1.1176			0.3000	1.8		15.0			
1-Chlorohexane	0.6013 0.6758	0.6106	0.6069	0.6192	0.6183	Ave		0.6220				4.4		15.0			
Ethylbenzene	0.5787 0.5768	0.5574	0.5612	0.5673	0.5834	Ave		0.5708				1.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.3230 0.3656	0.3371	0.3438	0.3588	0.3718	Ave		0.3500				5.3		15.0			
m&p-Xylene	0.6909	0.7085	0.7117	0.7260	0.7400	Ave		0.7154				2.6		15.0			
o-Xylene	0.6844 0.6886	0.6791	0.6772	0.6787	0.6843	Ave		0.6821				0.6		15.0			
Styrene	1.0601 1.1511	1.1291	1.1433	1.1608	1.1782	Ave		1.1371				3.6		15.0			
Bromoform	0.1690 0.2458	0.2069	0.2193	0.2364	0.2436	Ave		0.2202			0.1000	13.3		15.0			
Isopropylbenzene	3.9755 4.1945	3.9187	4.0678	4.0544	4.2717	Ave		4.0805				3.2		15.0			
Bromobenzene	0.9403 0.9990	0.9594	0.9839	0.9793	1.0289	Ave		0.9818				3.1		15.0			
N-Propylbenzene	5.0771 4.8326	4.9916	5.1543	5.1453	5.3682	Ave		5.0948				3.5		15.0			
1,1,2,2-Tetrachloroethane	1.2217 1.3244	1.2987	1.2747	1.2751	1.3424	Ave		1.2895			0.3000	3.3		15.0			
4-Ethyltoluene	4.1582 4.2976	4.1667	4.2198	4.2220	4.3727	Ave		4.2395				1.9		15.0			
2-Chlorotoluene	3.3565 3.2610	3.2395	3.3024	3.2385	3.3502	Ave		3.2914				1.6		15.0			
1,2,3-Trichloropropane	0.3502 0.3612	0.3623	0.3538	0.3512	0.3809	Ave		0.3599				3.2		15.0			
1,3,5-Trimethylbenzene	3.3969 3.3470	3.2599	3.3336	3.2535	3.4870	Ave		3.3463				2.6		15.0			
trans-1,4-Dichloro-2-butene	0.2955 0.3750	0.3140	0.3442	0.3551	0.3751	Ave		0.3431				9.5		15.0			
4-Chlorotoluene	2.9405 2.9688	2.8840	2.9275	2.9014	2.9853	Ave		2.9346				1.3		15.0			
tert-Butylbenzene	3.0151 2.9433	2.8816	2.9054	2.8500	3.0054	Ave		2.9335				2.3		15.0			
1,2,4-Trimethylbenzene	3.3911 3.3845	3.2643	3.3504	3.2846	3.4457	Ave		3.3534				2.0		15.0			
sec-Butylbenzene	4.7127 4.6989	4.6439	4.6318	4.5330	4.7962	Ave		4.6694				1.9		15.0			
p-Isopropyltoluene	3.6759 3.7046	3.6111	3.5901	3.5998	3.7505	Ave		3.6553				1.8		15.0			
1,3-Dichlorobenzene	1.7887 1.7584	1.7063	1.7360	1.7400	1.7888	Ave		1.7530				1.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.8563 1.7330	1.7945	1.7755	1.7420	1.8140	Ave		1.7859				2.6		15.0			
p-Diethylbenzene	1.7426 1.8257	1.7665	1.7929	1.7879	1.8409	Ave		1.7927				2.0		15.0			
Benzyl chloride	0.2837 0.4373	0.3565	0.3927	0.4041	0.4320	Ave		0.3844				14.9		15.0			
n-Butylbenzene	4.8007 5.3703	5.4060	5.6319	5.6776	5.8714	Ave		5.4597				6.8		15.0			
1,2-Dichlorobenzene	1.6447 1.6119	1.6017	1.6187	1.6159	1.6468	Ave		1.6233				1.1		15.0			
1,2,4,5-Tetramethylbenzene	2.7914 2.9745	2.7614	2.8885	2.9234	3.0031	Ave		2.8904				3.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1255 0.1790	0.1443	0.1598	0.1642	0.1810	Ave		0.1590				13.3		15.0			
Nitrobenzene	0.0254 0.0787	0.0338	0.0489	0.0620	0.0766	Ave		0.0542				40.7	*	15.0			
Hexachlorobutadiene	0.5507 0.5173	0.5184	0.4907	0.5048	0.5240	Ave		0.5177				3.9		15.0			
1,2,4-Trichlorobenzene	0.9923 1.0115	1.0006	0.9914	1.0252	0.9950	Ave		1.0027				1.3		15.0			
Naphthalene	2.9193 2.8677	2.8427	2.7786	2.8287	2.9305	Ave		2.8612				2.0		15.0			
1,2,3-Trichlorobenzene	0.9524 0.8750	0.8961	0.9029	0.9024	0.8914	Ave		0.9034				2.9		15.0			
Dibromofluoromethane	0.3503 0.3714	0.3652	0.3771	0.3748	0.3855	Ave		0.3707				3.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3300 0.3241	0.3219	0.3303	0.3252	0.3281	Ave		0.3266				1.0		15.0			
Toluene-d8 (Surr)	1.4060 1.4627	1.3694	1.4351	1.4640	1.4974	Ave		1.4391				3.2		15.0			
4-Bromofluorobenzene	1.2313 1.2173	1.2061	1.2882	1.2489	1.2773	Ave		1.2448				2.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52848/6	N3729.D
Level 2	IC 220-52848/5	N3728.D
Level 3	IC 220-52848/4	N3727.D
Level 4	IC 220-52848/3	N3726.D
Level 5	IC 220-52848/2	N3725.D
Level 6	IC 220-52848/1	N3724.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Heptane	FB	Ave	+++++ 0	0	0	0	0	+++++ 200	20.0	50.0	100	150
Dichlorodifluoromethane	FB	Ave	4918 225686	42205	119524	258784	470699	5.00 200	20.0	50.0	100	150
Chloromethane	FB	Ave	74186 3355086	281887	836506	1649034	2453800	5.00 200	20.0	50.0	100	150
Vinyl chloride	FB	Ave	52361 2222954	203448	590823	1132467	1687997	5.00 200	20.0	50.0	100	150
Bromomethane	FB	Ave	29366 801209	104471	289883	462808	553948	5.00 200	20.0	50.0	100	150
Chloroethane	FB	Ave	41045 863481	130017	359399	617745	774383	5.00 200	20.0	50.0	100	150
Trichlorofluoromethane	FB	Ave	49876 1858713	192489	546040	1042639	1489147	5.00 200	20.0	50.0	100	150
Dichlorofluoromethane	FB	Ave	83552 2788259	326985	857570	1600351	2282341	5.00 200	20.0	50.0	100	150
Ethyl ether	FB	Ave	44763 1548025	171934	439848	855163	1203989	5.00 200	20.0	50.0	100	150
Ethanol	FB	Ave	25762 908006	108768	300726	535373	794344	50.0 2000	200	500	1000	1500
1,1-Dichloroethene	FB	Ave	39770 1648575	156721	424684	856259	1256870	5.00 200	20.0	50.0	100	150
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	45050 2020772	192138	511302	1040234	1528919	5.00 200	20.0	50.0	100	150
Carbon disulfide	FB	Ave	161535 7252202	628682	1759798	3613695	5429780	5.00 200	20.0	50.0	100	150
Iodomethane	FB	Ave	48980 2212317	194596	577920	1158858	1705173	5.00 200	20.0	50.0	100	150
Isopropyl alcohol	FB	Ave	5555 206984	23962	56407	94223	142311	5.00 200	20.0	50.0	100	150
Acrolein	FB	Ave	49493 2265340	219018	560311	1116918	1683278	25.0 1000	100	250	500	750

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Chloro-1-propene	FB	Ave	99063 4189676	396770	1058437	2132891	3137991	5.00 200	20.0	50.0	100	150
Methylene Chloride	FB	Ave	+++++ 4487742	263072	609619	1163552	1692718	+++++ 200	20.0	50.0	100	150
Acetone	FB	Ave	+++++ 1520234	160653	374450	810295	1053312	+++++ 200	20.0	50.0	100	150
Methyl acetate	FB	Qua	331288 19577327	1388128	3482493	7081331	10530741	5.00 200	20.0	50.0	100	150
trans-1,2-Dichloroethene	FB	Ave	50665 1509513	190856	516947	1037704	1538259	5.00 200	20.0	50.0	100	150
Methyl tert-butyl ether	FB	Ave	137521	557967	1423011	2951487	4305397	5.00	20.0	50.0	100	150
tert-Butyl alcohol	FB	Ave	43241	194579	460839	926472	1457024	25.0	100	250	500	750
Acetonitrile	FB	Ave	90544 3353323	347554	872711	1656565	2599928	50.0 2000	200	500	1000	1500
Isopropyl ether	FB	Ave	236012 9834117	924942	2437433	4964996	7236639	5.00 200	20.0	50.0	100	150
2-Chloro-1,3-butadiene	FB	Ave	42536 1982322	176078	471547	963718	1451364	5.00 200	20.0	50.0	100	150
1,1-Dichloroethane	FB	Ave	93666 3950728	381175	1004622	2029902	2982232	5.00 200	20.0	50.0	100	150
Acrylonitrile	FB	Ave	57717 2474348	253347	651638	1290327	1837148	10.0 400	40.0	100	200	300
Tert-butyl ethyl ether	FB	Ave	176760 7301838	700101	1839842	3730091	5439348	5.00 200	20.0	50.0	100	150
Vinyl acetate	FB	Ave	147128 6564511	641232	1631575	3302164	4773306	5.00 200	20.0	50.0	100	150
cis-1,2-Dichloroethene	FB	Ave	55005 2281529	215670	577199	1156231	1722796	5.00 200	20.0	50.0	100	150
2,2-Dichloropropane	FB	Ave	66996 2531745	230964	626982	1254223	1913463	5.00 200	20.0	50.0	100	150
Bromochloromethane	FB	Ave	28317 1156297	116855	297486	589229	880280	5.00 200	20.0	50.0	100	150
Cyclohexane	FB	Ave	73917 3215296	290305	802547	1617079	2400461	5.00 200	20.0	50.0	100	150
Chloroform	FB	Ave	79863 3249038	311138	814679	1627838	2428227	5.00 200	20.0	50.0	100	150
Ethyl acetate	FB	Lin	26979 426870	51922	106313	197805	289709	10.0 400	40.0	100	200	300
Methyl acrylate	FB	Ave	57859 2778843	248306	681087	1374213	2071612	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon tetrachloride	FB	Ave	44773 2089822	182600	510068	1023789	1560914	5.00 200	20.0	50.0	100	150
Tetrahydrofuran	FB	Ave	51960 2321865	228747	568227	1125242	1744788	10.0 400	40.0	100	200	300
1,1,1-Trichloroethane	FB	Ave	54985 2522692	231179	616285	1246072	1876824	5.00 200	20.0	50.0	100	150
2-Butanone (MEK)	FB	Ave	47143 2112959	193779	487874	1051659	1492052	5.00 200	20.0	50.0	100	150
1,1-Dichloropropene	FB	Ave	68219 2834498	264836	698041	1416195	2092794	5.00 200	20.0	50.0	100	150
1-Chlorobutane	FB	Ave	110772 4669931	440361	1155684	2341934	3498587	5.00 200	20.0	50.0	100	150
Benzene	FB	Ave	197593 8081871	768992	2007111	4054672	6053560	5.00 200	20.0	50.0	100	150
Propionitrile	FB	Ave	94463 4289617	413644	1072172	2122871	3309701	50.0 2000	200	500	1000	1500
Methacrylonitrile	FB	Ave	50379 1973216	190621	480735	969546	1465873	5.00 200	20.0	50.0	100	150
Tert-amyl methyl ether	FB	Ave	137949 5890573	585105	1475093	3042366	4425955	5.00 200	20.0	50.0	100	150
1,2-Dichloroethane	FB	Ave	58744 2344494	229918	590539	1181570	1747509	5.00 200	20.0	50.0	100	150
Isobutyl alcohol	FB	Ave	21653 1071459	107581	272204	549170	829787	50.0 2000	200	500	1000	1500
Methylcyclohexane	FB	Ave	86751 3606712	341838	907392	1839603	2697778	5.00 200	20.0	50.0	100	150
Trichloroethene	FB	Ave	48192 2125740	199525	528678	1045680	1591517	5.00 200	20.0	50.0	100	150
Dibromomethane	FB	Ave	33250 1374213	132633	343000	704730	1046612	5.00 200	20.0	50.0	100	150
1,2-Dichloropropane	FB	Ave	59044 2463770	238357	635341	1255585	1870858	5.00 200	20.0	50.0	100	150
Ethyl acrylate	FB	Ave	84419 3751482	389823	962530	1835090	3090455	5.00 200	20.0	50.0	100	150
Bromodichloromethane	FB	Ave	51505 2361021	217011	567279	1184445	1781016	5.00 200	20.0	50.0	100	150
Methyl methacrylate	FB	Ave	40750 1914092	180177	477353	974099	1445060	5.00 200	20.0	50.0	100	150
1,4-Dioxane	FB	Ave	2770 225605	25046	52767	95552	147902	50.0 2000	200	500	1000	1500
2-Chloroethyl vinyl ether	FB	Ave	25255 1281788	121440	317879	658676	945491	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	FB	Ave	73922 3368183	307193	827197	1683025	2507437	5.00 200	20.0	50.0	100	150
Toluene	CBZ	Ave	197377 8201904	779174	2027680	4116664	6185072	5.00 200	20.0	50.0	100	150
Chloroacetonitrile	FB	Ave	23470 1184046	106503	285760	592031	917426	50.0 2000	200	500	1000	1500
2-Nitropropane	FB	Ave	24538 1230723	108827	283765	576411	920119	10.0 400	40.0	100	200	300
1,1-Dichloro-2-propanone	CBZ	Ave	162762 9531721	846496	2206343	4527963	7072698	25.0 1000	100	250	500	750
Tetrachloroethene	CBZ	Ave	33283 1438317	138258	362726	731319	1078844	5.00 200	20.0	50.0	100	150
methyl isobutyl ketone	CBZ	Ave	74913 3345577	330919	816757	1675634	2530681	5.00 200	20.0	50.0	100	150
trans-1,3-Dichloropropene	FB	Ave	62371 2899852	269040	701147	1476409	2182924	5.00 200	20.0	50.0	100	150
1,1,2-Trichloroethane	FB	Ave	42385 1779658	179372	459390	924873	1355427	5.00 200	20.0	50.0	100	150
Ethyl methacrylate	CBZ	Ave	57705 2792183	262439	693219	1439565	2116921	5.00 200	20.0	50.0	100	150
Dibromochloromethane	CBZ	Ave	39450 2045478	185435	502192	1043822	1562253	5.00 200	20.0	50.0	100	150
1,3-Dichloropropane	CBZ	Ave	78615 3239487	326867	826639	1675941	2456393	5.00 200	20.0	50.0	100	150
1,2-Dibromoethane	CBZ	Ave	49727 2144392	207315	537616	1106473	1636694	5.00 200	20.0	50.0	100	150
2-Hexanone	CBZ	Ave	57368 2644839	245087	627413	1367954	1942273	5.00 200	20.0	50.0	100	150
Chlorobenzene	CBZ	Ave	135417 5362451	534346	1389979	2776451	4152598	5.00 200	20.0	50.0	100	150
1-Chlorohexane	CBZ	Ave	72705 3228445	298791	765236	1539120	2229276	5.00 200	20.0	50.0	100	150
Ethylbenzene	CBZ	Ave	69971 2755870	272774	707607	1409970	2103710	5.00 200	20.0	50.0	100	150
1,1,1,2-Tetrachloroethane	CBZ	Ave	39059 1746678	164953	433561	891702	1340691	5.00 200	20.0	50.0	100	150
m&p-Xylene	CBZ	Ave	167081	693368	1794855	3608835	5336244	10.0	40.0	100	200	300
o-Xylene	CBZ	Ave	82747 3289840	332329	853927	1687014	2467570	5.00 200	20.0	50.0	100	150
Styrene	CBZ	Ave	128177 5499219	552514	1441705	2885107	4248277	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	20436 1174390	101230	276590	587538	878430	5.00 200	20.0	50.0	100	150
Isopropylbenzene	DCB	Ave	191164 7618579	773318	2004896	3952636	5836592	5.00 200	20.0	50.0	100	150
Bromobenzene	DCB	Ave	45216 1814452	189321	484944	954707	1405787	5.00 200	20.0	50.0	100	150
N-Propylbenzene	DCB	Ave	244131 8777487	985030	2540379	5016158	7334655	5.00 200	20.0	50.0	100	150
1,1,2,2-Tetrachloroethane	DCB	Ave	58745 2405591	256277	628247	1243114	1834198	5.00 200	20.0	50.0	100	150
4-Ethyltoluene	DCB	Ave	199945 7805769	822255	2079791	4116027	5974471	5.00 200	20.0	50.0	100	150
2-Chlorotoluene	DCB	Ave	161399 5923103	639273	1627661	3157171	4577494	5.00 200	20.0	50.0	100	150
1,2,3-Trichloropropane	DCB	Ave	16840 656123	71486	174398	342368	520384	5.00 200	20.0	50.0	100	150
1,3,5-Trimethylbenzene	DCB	Ave	163340 6079189	643311	1643045	3171794	4764373	5.00 200	20.0	50.0	100	150
trans-1,4-Dichloro-2-butene	DCB	Ave	28421 1362298	123923	339289	692339	1024952	10.0 400	40.0	100	200	300
4-Chlorotoluene	DCB	Ave	141396 5392310	569115	1442886	2828510	4078925	5.00 200	20.0	50.0	100	150
tert-Butylbenzene	DCB	Ave	144981 5345969	568647	1431980	2778459	4106416	5.00 200	20.0	50.0	100	150
1,2,4-Trimethylbenzene	DCB	Ave	163062 6147249	644181	1651313	3202151	4707951	5.00 200	20.0	50.0	100	150
sec-Butylbenzene	DCB	Ave	226608 8534724	916428	2282881	4419202	6553211	5.00 200	20.0	50.0	100	150
p-Isopropyltoluene	DCB	Ave	176757 6728790	712613	1769459	3509377	5124379	5.00 200	20.0	50.0	100	150
1,3-Dichlorobenzene	DCB	Ave	86008 3193773	336727	855601	1696305	2444030	5.00 200	20.0	50.0	100	150
1,4-Dichlorobenzene	DCB	Ave	89261 3147670	354131	875107	1698237	2478558	5.00 200	20.0	50.0	100	150
p-Diethylbenzene	DCB	Ave	83793 3316108	348589	883677	1743003	2515230	5.00 200	20.0	50.0	100	150
Benzyl chloride	DCB	Ave	13641 794222	70360	193531	393944	590189	5.00 200	20.0	50.0	100	150
n-Butylbenzene	DCB	Ave	230843 9754178	1066807	2775788	5535081	8022241	5.00 200	20.0	50.0	100	150
1,2-Dichlorobenzene	DCB	Ave	79084 2927710	316072	797798	1575325	2250053	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,4,5-Tetramethylbenzene	DCB	Ave	134224 5402631	544926	1423658	2850006	4103235	5.00 200	20.0	50.0	100	150
1,2-Dibromo-3-Chloropropane	DCB	Ave	6037 325173	28481	78779	160106	247361	5.00 200	20.0	50.0	100	150
Nitrobenzene	DCB	Ave	12237 1429791	66794	241017	603979	1046466	50.0 2000	200	500	1000	1500
Hexachlorobutadiene	DCB	Ave	26481 939617	102304	241870	492080	715924	5.00 200	20.0	50.0	100	150
1,2,4-Trichlorobenzene	DCB	Ave	47714 1837178	197455	488645	999477	1359449	5.00 200	20.0	50.0	100	150
Naphthalene	DCB	Ave	140376 5208630	560982	1369463	2757696	4003952	5.00 200	20.0	50.0	100	150
1,2,3-Trichlorobenzene	DCB	Ave	45794 1589269	176834	445034	879725	1217968	5.00 200	20.0	50.0	100	150
Dibromofluoromethane	FB	Ave	51593 2199133	212341	286209	1153007	1690633	5.00 200	20.0	25.0	100	150
1,2-Dichloroethane-d4 (Surr)	FB	Ave	48606 1919012	187148	250676	1000415	1438798	5.00 200	20.0	25.0	100	150
Toluene-d8 (Surr)	CBZ	Ave	169994 6988135	670095	904776	3638862	5399164	5.00 200	20.0	25.0	100	150
4-Bromofluorobenzene	DCB	Ave	59209 2210926	238009	317449	1217509	1745176	5.00 200	20.0	25.0	100	150

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3724.D
Lab Smp Id: IC;200 Client Smp ID: IC;200
Inj Date : 13-JUL-2011 17:15 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;200
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:50 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 19:37 Cal File: N3729.D
Als bottle: 100 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.796	4.796	(1.000)	740130	25.0000	
2	Dichlorodifluoromethane	85	1.232	1.232	(0.257)	225686	200.000	110
3	Chloromethane	50	1.271	1.271	(0.265)	3355086	200.000	210(A)
4	Vinyl Chloride	62	1.311	1.311	(0.273)	2222954	200.000	200(A)
5	Bromomethane	94	1.488	1.488	(0.310)	801209	200.000	160
6	Chloroethane	64	1.547	1.547	(0.323)	863481	200.000	140
7	Trichlorofluoromethane	101	1.616	1.616	(0.337)	1858713	200.000	190
8	Dichlorofluoromethane	67	1.646	1.646	(0.343)	2788259	200.000	180
9	Ethyl Ether	45	1.783	1.783	(0.372)	1548025	200.000	180
10	Ethanol	45	1.843	1.843	(0.384)	908006	2000.00	1700
12	Freon 123	67	1.912	1.912	(0.399)	540219	200.000	210(A)
13	Trichlorotrifluoroethane	101	1.921	1.921	(0.401)	2020772	200.000	200(A)
14	1,1-Dichloroethene	96	1.912	1.912	(0.399)	1648575	200.000	200(A)
15	Carbon Disulfide	76	1.941	1.941	(0.405)	7252202	200.000	210(A)
16	Iodomethane	142	2.010	2.010	(0.419)	2212317	200.000	200(A)
17	Acrolein	56	2.109	2.109	(0.440)	2265340	1000.00	1000(A)
18	2-Propanol	45	2.030	2.030	(0.423)	206984	200.000	200
19	3-Chloro-1-Propene	41	2.197	2.197	(0.458)	4189676	200.000	200(A)
20	Methylene Chloride	84	2.266	2.266	(0.473)	4487742	200.000	320(A)
21	Acetone	43	2.296	2.296	(0.479)	1520234	200.000	200(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
22	trans-1,2-Dichloroethene	96	2.365	2.365	(0.493)	1509513	200.000	160
23	Methyl Acetate	43	2.365	2.365	(0.493)	19577327	200.000	200(A)
24	Methyl tert-Butyl Ether	73	2.530	2.530	(0.528)	82786	200.000	3(M)
25	tert-Butyl alcohol	59	2.365	2.365	(0.493)	1684813	1000.00	910(M)
26	Acetonitrile	41	2.628	2.628	(0.548)	3353323	2000.00	2000
27	Isopropyl ether	45	2.717	2.717	(0.567)	9834117	200.000	200(A)
28	tert-Butyl ethyl ether	59	3.032	3.032	(0.632)	7301838	200.000	200(A)
29	2-Chloro-1,3-Butadiene	88	2.825	2.825	(0.589)	1982322	200.000	210(A)
30	Acrylonitrile	53	2.875	2.875	(0.599)	2474348	400.000	400
31	1,1-Dichloroethane	63	2.845	2.845	(0.593)	3950728	200.000	200(A)
32	Vinyl Acetate	43	3.042	3.042	(0.634)	6564511	200.000	210(A)
33	cis-1,2-Dichloroethene	96	3.328	3.328	(0.694)	2281529	200.000	200(A)
34	2,2-Dichloropropane	77	3.446	3.446	(0.719)	2531745	200.000	200(A)
35	Bromochloromethane	128	3.535	3.535	(0.737)	1156297	200.000	200
37	Cyclohexane	84	3.554	3.554	(0.741)	3215296	200.000	210(A)
38	Chloroform	83	3.614	3.614	(0.754)	3249038	200.000	200(A)
39	Ethyl Acetate	43	3.742	3.742	(0.780)	426870	400.000	420(A)
40	Methyl Acrylate	55	3.751	3.751	(0.782)	2778843	200.000	210(A)
$ 41	Dibromofluoromethane	111	3.820	3.820	(0.797)	2199133	200.000	200(A)
42	Tetrahydrofuran	42	3.791	3.791	(0.790)	2321865	400.000	410(A)
43	Carbon Tetrachloride	117	3.781	3.781	(0.788)	2089822	200.000	210(A)
44	1,1,1-Trichloroethane	97	3.850	3.850	(0.803)	2522692	200.000	210(A)
45	2-Butanone	43	3.958	3.958	(0.825)	2112959	200.000	210(A)
46	1,1-Dichloropropene	75	3.998	3.998	(0.834)	2834498	200.000	200(A)
47	tert-Amyl methyl ether	73	4.451	4.451	(0.928)	5890573	200.000	200(A)
49	1-Chlorobutane	56	4.067	4.067	(0.848)	4669931	200.000	200(A)
51	Propionitrile	54	4.323	4.323	(0.901)	4289617	2000.00	2000(A)
52	Benzene	78	4.303	4.303	(0.897)	8081871	200.000	200(A)
53	2-Methyl-2-Propenenitrile	41	4.352	4.352	(0.908)	1973216	200.000	200(A)
54	Isobutyl alcohol	42	4.599	4.599	(0.959)	1071459	2000.00	2000(A)
$ 55	1,2-Dichloroethane-d4	65	4.461	4.461	(0.930)	1919012	200.000	200
56	1,2-Dichloroethane	62	4.540	4.540	(0.947)	2344494	200.000	200(A)
59	Methyl Cyclohexane	83	4.983	4.983	(1.039)	3606712	200.000	200(A)
60	Trichloroethene	130	4.993	4.993	(1.041)	2125740	200.000	210(A)
63	Dibromomethane	93	5.436	5.436	(1.134)	1374213	200.000	200(A)
64	1,2-Dichloropropane	63	5.535	5.535	(1.154)	2463770	200.000	200(A)
65	Bromodichloromethane	83	5.613	5.613	(1.170)	2361021	200.000	210(A)
66	Methyl Methacrylate	69	5.801	5.801	(1.210)	1914092	200.000	210(A)
67	1,4-Dioxane	58	5.850	5.850	(1.220)	225605	2000.00	2300(M)
69	2-Chloroethylvinylether	63	6.214	6.214	(1.296)	1281788	200.000	210(A)
174	Ethyl acrylate	55	5.594	5.594	(1.166)	3751482	200.000	200(A)
70	cis-1,3-Dichloropropene	75	6.254	6.254	(1.304)	3368183	200.000	210(A)
71	Chloroacetonitrile	48	6.628	6.628	(1.382)	1184046	2000.00	2100(A)
72	2-Nitropropane	41	6.707	6.707	(1.398)	1230723	400.000	440(A)
73	trans-1,3-Dichloropropene	75	6.894	6.894	(1.438)	2899852	200.000	210(A)
74	1,1,2-Trichloroethane	97	7.042	7.042	(1.468)	1779658	200.000	200
* 75	Chlorobenzene-d5	117	7.879	7.879	(1.000)	597181	25.0000	
76	Toluene	91	6.490	6.490	(0.824)	8201904	200.000	210(A)
$ 77	Toluene-d8	98	6.441	6.441	(0.817)	6988135	200.000	200(A)
78	1,1-Dichloro-2-propanone	43	6.717	6.717	(0.852)	9531721	1000.00	1100(A)
79	4-Methyl-2-Pentanone	43	6.865	6.865	(0.871)	3345577	200.000	210(A)
80	Tetrachloroethene	164	6.855	6.855	(0.870)	1438317	200.000	210(A)
81	Ethyl Methacrylate	69	7.071	7.071	(0.897)	2792183	200.000	210(A)
82	Dibromochloromethane	129	7.200	7.200	(0.914)	2045478	200.000	220(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.288	7.288	(0.925)	3239487	200.000	200(A)
84	1,2-Dibromoethane	107	7.397	7.397	(0.939)	2144392	200.000	210(A)
86	2-Hexanone	43	7.643	7.643	(0.970)	2644839	200.000	210(A)
87	1-Chlorohexane	91	7.899	7.899	(1.002)	3228445	200.000	220(A)
88	Chlorobenzene	112	7.889	7.889	(1.001)	5362451	200.000	200(A)
89	1,1,1,2-Tetrachloroethane	131	7.958	7.958	(1.010)	1746678	200.000	210(A)
90	Ethylbenzene	106	7.929	7.929	(1.006)	2755870	200.000	200(A)
91	Xylene (total)mp	106	8.057	8.057	(1.023)	16024652	400.000	940(A)
92	Xylene (total)o	106	8.443	8.443	(1.072)	3289840	200.000	200(A)
93	Styrene	104	8.482	8.482	(1.077)	5499219	200.000	200(A)
94	Bromoform	173	8.502	8.502	(1.079)	1174390	200.000	220(A)
* 95	1,4-Dichlorobenzene-d4	152	9.930	9.930	(1.000)	227040	25.0000	
96	Isopropylbenzene	105	8.719	8.719	(0.878)	7618579	200.000	200(A)
97	Bromobenzene	156	9.044	9.044	(0.911)	1814452	200.000	200(A)
98	1,1,2,2-Tetrachloroethane	83	9.152	9.152	(0.922)	2405591	200.000	200(AH)
99	4-Ethyltoluene	105	9.182	9.182	(0.925)	7805769	200.000	200(AH)
100	1,2,3-Trichloropropane	110	9.251	9.251	(0.932)	656123	200.000	200(A)
101	trans-1,4-Dichloro-2-Butene	53	9.300	9.300	(0.937)	1362298	400.000	440(A)
102	n-Propylbenzene	91	9.083	9.083	(0.915)	8777487	200.000	190(H)
103	2-Chlorotoluene	91	9.211	9.211	(0.928)	5923103	200.000	200(H)
104	4-Chlorotoluene	91	9.359	9.359	(0.942)	5392310	200.000	200(A)
105	1,3,5-Trimethylbenzene	105	9.260	9.260	(0.933)	6079189	200.000	200(A)
106	tert-Butylbenzene	119	9.536	9.536	(0.960)	5345969	200.000	200(A)
107	1,2,4-Trimethylbenzene	105	9.595	9.595	(0.966)	6147249	200.000	200(A)
108	sec-Butylbenzene	105	9.684	9.684	(0.975)	8534724	200.000	200(A)
109	4-Isopropyltoluene	119	9.822	9.822	(0.989)	6728790	200.000	200(A)
110	1,3-Dichlorobenzene	146	9.871	9.871	(0.994)	3193773	200.000	200(A)
111	1,4-Dichlorobenzene	146	9.950	9.950	(1.002)	3147670	200.000	190
112	1,2-Dichlorobenzene	146	10.305	10.305	(1.038)	2927710	200.000	200
113	Benzyl Chloride	126	10.167	10.167	(1.024)	794222	200.000	230(A)
114	1,4-Diethylbenzene	119	10.137	10.137	(1.021)	3316108	200.000	200(A)
115	n-Butylbenzene	91	10.186	10.186	(1.026)	9754178	200.000	200
118	1,2,4,5-Tetramethylbenzene	119	10.837	10.837	(1.091)	5402631	200.000	200(A)
119	1,2-Dibromo-3-chloropropane	75	11.004	11.004	(1.108)	325173	200.000	220(A)
120	Nitrobenzene	77	11.497	11.497	(1.158)	1429791	2000.00	2900(A)
121	1,2,4-Trichlorobenzene	180	11.605	11.605	(1.169)	1837178	200.000	200(A)
122	Hexachlorobutadiene	225	11.595	11.595	(1.168)	939617	200.000	200
123	Naphthalene	128	11.881	11.881	(1.196)	5208630	200.000	200(A)
124	1,2,3-Trichlorobenzene	180	12.048	12.048	(1.213)	1589269	200.000	190
$ 125	Bromofluorobenzene	95	8.955	8.955	(0.902)	2210926	200.000	200
M 126	1,2-Dichloroethene (total)	100				3791042	400.000	360
M 127	Xylene (total)	100				19314492	600.000	1100

QC Flag Legend

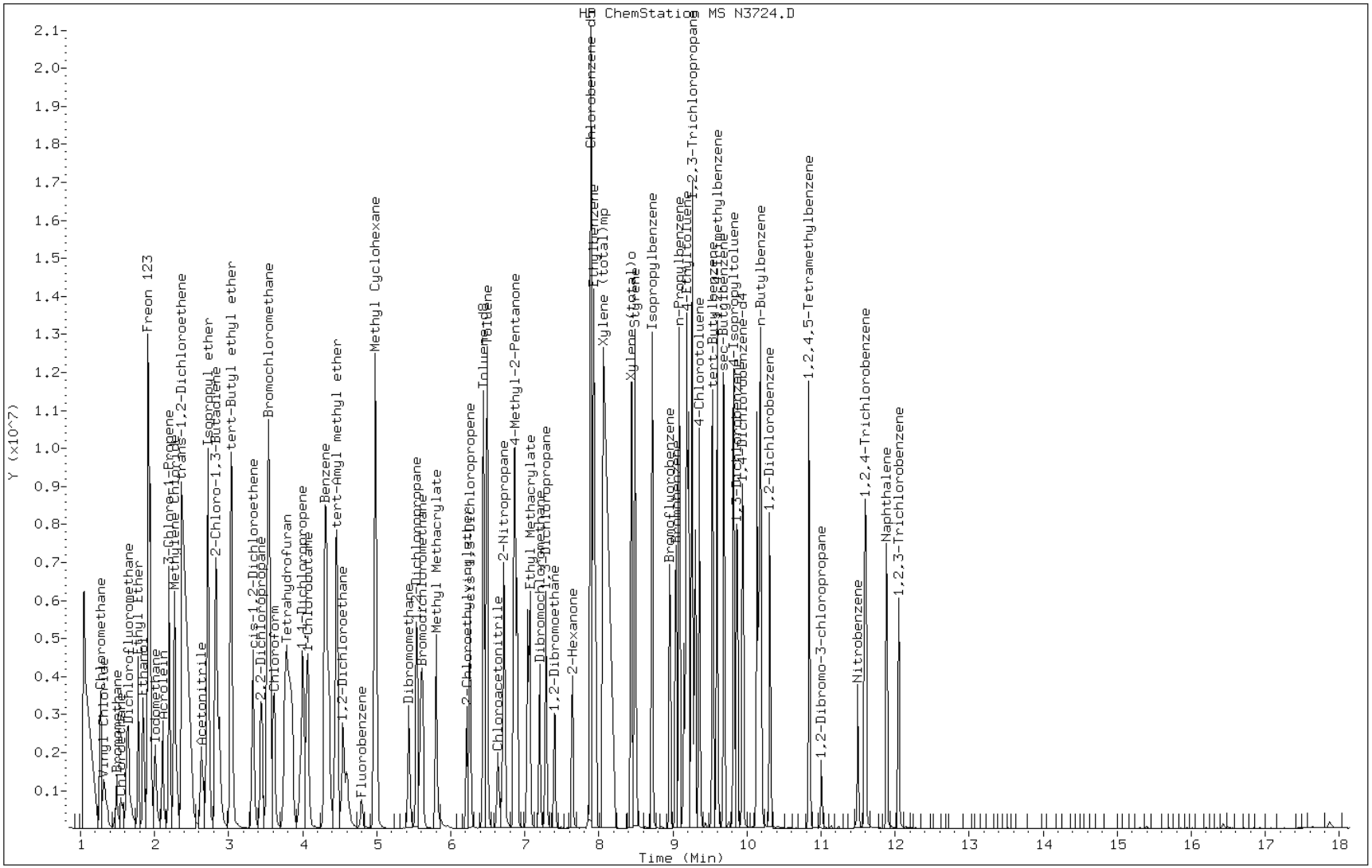
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3724.D

Date: 13-JUL-2011 17:15

Client ID: IC;200 Instrument: msn.i

Sample Info: IC;200 Operator: D. HUMBERT



Manual Integration Report

Data File: N3724.D
Inj. Date and Time: 13-JUL-2011 17:15
Instrument ID: msn.i
Client ID: IC;200
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

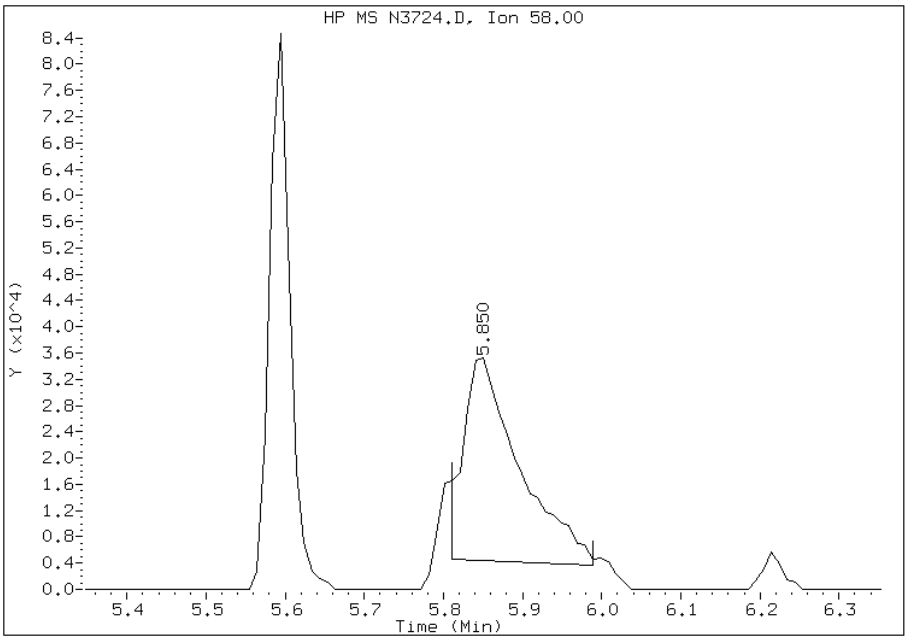
Processing Integration Results

RT: 5.85

Response: 156930

Amount: 1847

Conc: 1847



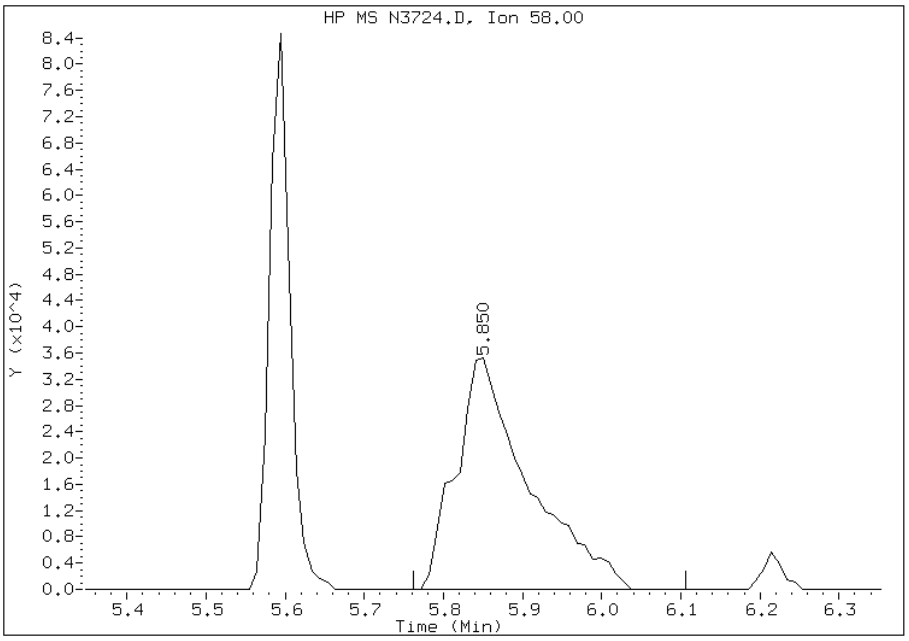
Manual Integration Results

RT: 5.85

Response: 225605

Amount: 2291

Conc: 2291



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3725.D
Lab Smp Id: IC;150 Client Smp ID: IC;150
Inj Date : 13-JUL-2011 17:41 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;150
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 100 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.800	4.800	(1.000)	730844	25.0000	
2	Dichlorodifluoromethane	85	1.214	1.214	(0.253)	470699	150.000	420(A)
3	Chloromethane	50	1.273	1.273	(0.265)	2453800	150.000	150
4	Vinyl Chloride	62	1.313	1.313	(0.274)	1687997	150.000	150
5	Bromomethane	94	1.480	1.480	(0.308)	553948	150.000	140
6	Chloroethane	64	1.549	1.549	(0.323)	774383	150.000	180
7	Trichlorofluoromethane	101	1.618	1.618	(0.337)	1489147	150.000	160
8	Dichlorofluoromethane	67	1.648	1.648	(0.343)	2282341	150.000	160
9	Ethyl Ether	45	1.786	1.786	(0.372)	1203989	150.000	160
10	Ethanol	45	1.845	1.845	(0.384)	794344	1500.00	1800
12	Freon 123	67	1.914	1.914	(0.399)	409636	150.000	150
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.401)	1528919	150.000	150
14	1,1-Dichloroethene	96	1.914	1.914	(0.399)	1256870	150.000	150
15	Carbon Disulfide	76	1.943	1.943	(0.405)	5429780	150.000	150
16	Iodomethane	142	2.012	2.012	(0.419)	1705173	150.000	160
17	Acrolein	56	2.111	2.111	(0.440)	1683278	750.000	750
18	2-Propanol	45	2.032	2.032	(0.423)	142311	150.000	140
19	3-Chloro-1-Propene	41	2.199	2.199	(0.458)	3137991	150.000	150
20	Methylene Chloride	84	2.268	2.268	(0.473)	1692718	150.000	76
21	Acetone	43	2.298	2.298	(0.479)	1053312	150.000	140

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.495)	1538259	150.000	210(A)
	23 Methyl Acetate	43	2.367	2.367	(0.493)	10530741	150.000	110
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.510)	4305397	150.000	0.0
	25 tert-Butyl alcohol	59	2.485	2.485	(0.518)	1457024	750.000	0.0(H)
	26 Acetonitrile	41	2.633	2.633	(0.549)	2599928	1500.00	1600
	27 Isopropyl ether	45	2.722	2.722	(0.567)	7236639	150.000	150
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.633)	5439348	150.000	150
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.590)	1451364	150.000	150
	30 Acrylonitrile	53	2.879	2.879	(0.600)	1837148	300.000	300
	31 1,1-Dichloroethane	63	2.850	2.850	(0.594)	2982232	150.000	150
	32 Vinyl Acetate	43	3.047	3.047	(0.635)	4773306	150.000	150
	33 cis-1,2-Dichloroethene	96	3.332	3.332	(0.694)	1722796	150.000	150
	34 2,2-Dichloropropane	77	3.441	3.441	(0.717)	1913463	150.000	150
	35 Bromochloromethane	128	3.539	3.539	(0.737)	880280	150.000	150
	37 Cyclohexane	84	3.549	3.549	(0.739)	2400461	150.000	150
	38 Chloroform	83	3.608	3.608	(0.752)	2428227	150.000	150
	39 Ethyl Acetate	43	3.746	3.746	(0.780)	289709	300.000	270
	40 Methyl Acrylate	55	3.756	3.756	(0.782)	2071612	150.000	150
$	41 Dibromofluoromethane	111	3.815	3.815	(0.795)	1690633	150.000	160
	42 Tetrahydrofuran	42	3.795	3.795	(0.791)	1744788	300.000	300
	43 Carbon Tetrachloride	117	3.776	3.776	(0.787)	1560914	150.000	150
	44 1,1,1-Trichloroethane	97	3.854	3.854	(0.803)	1876824	150.000	150
	45 2-Butanone	43	3.963	3.963	(0.826)	1492052	150.000	140
	46 1,1-Dichloropropene	75	4.002	4.002	(0.834)	2092794	150.000	150
	47 tert-Amyl methyl ether	73	4.455	4.455	(0.928)	4425955	150.000	150
	49 1-Chlorobutane	56	4.071	4.071	(0.848)	3498587	150.000	150
	51 Propionitrile	54	4.327	4.327	(0.902)	3309701	1500.00	1600
	52 Benzene	78	4.308	4.308	(0.897)	6053560	150.000	150
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.908)	1465873	150.000	150
	54 Isobutyl alcohol	42	4.583	4.583	(0.955)	829787	1500.00	1600
$	55 1,2-Dichloroethane-d4	65	4.465	4.465	(0.930)	1438798	150.000	150
	56 1,2-Dichloroethane	62	4.544	4.544	(0.947)	1747509	150.000	150
	59 Methyl Cyclohexane	83	4.978	4.978	(1.037)	2697778	150.000	150
	60 Trichloroethene	130	4.987	4.987	(1.039)	1591517	150.000	150
	63 Dibromomethane	93	5.431	5.431	(1.131)	1046612	150.000	150
	64 1,2-Dichloropropane	63	5.539	5.539	(1.154)	1870858	150.000	150
	65 Bromodichloromethane	83	5.618	5.618	(1.170)	1781016	150.000	150
	66 Methyl Methacrylate	69	5.805	5.805	(1.209)	1445060	150.000	150
	67 1,4-Dioxane	58	5.835	5.835	(1.215)	147902	1500.00	1300
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.296)	945491	150.000	150
	174 Ethyl acrylate	55	5.588	5.588	(1.164)	3090455	150.000	170(A)
	70 cis-1,3-Dichloropropene	75	6.258	6.258	(1.304)	2507437	150.000	150
	71 Chloroacetonitrile	48	6.633	6.633	(1.382)	917426	1500.00	1600
	72 2-Nitropropane	41	6.702	6.702	(1.396)	920119	300.000	300
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.437)	2182924	150.000	150
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.466)	1355427	150.000	150
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	600964	25.0000	
	76 Toluene	91	6.495	6.495	(0.825)	6185072	150.000	150
$	77 Toluene-d8	98	6.445	6.445	(0.819)	5399164	150.000	150
	78 1,1-Dichloro-2-propanone	43	6.721	6.721	(0.854)	7072698	750.000	740
	79 4-Methyl-2-Pentanone	43	6.859	6.859	(0.871)	2530681	150.000	150
	80 Tetrachloroethene	164	6.859	6.859	(0.871)	1078844	150.000	150
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	2116921	150.000	150
	82 Dibromochloromethane	129	7.204	7.204	(0.915)	1562253	150.000	150

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	2456393	150.000	150
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	1636694	150.000	150
86	2-Hexanone	43	7.637	7.637	(0.970)	1942273	150.000	140
87	1-Chlorohexane	91	7.894	7.894	(1.002)	2229276	150.000	140
88	Chlorobenzene	112	7.894	7.894	(1.002)	4152598	150.000	150
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	1340691	150.000	150
90	Ethylbenzene	106	7.923	7.923	(1.006)	2103710	150.000	150
91	Xylene (total)mp	106	8.061	8.061	(1.024)	5336244	300.000	0.0
92	Xylene (total)o	106	8.435	8.435	(1.071)	2467570	150.000	150
93	Styrene	104	8.485	8.485	(1.078)	4248277	150.000	150
94	Bromoform	173	8.495	8.495	(1.079)	878430	150.000	150
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	227721	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	5836592	150.000	150
97	Bromobenzene	156	9.036	9.036	(0.910)	1405787	150.000	150
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	1834198	150.000	150
99	4-Ethyltoluene	105	9.184	9.184	(0.925)	5974471	150.000	150(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	520384	150.000	160
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	1024952	300.000	300
102	n-Propylbenzene	91	9.086	9.086	(0.915)	7334655	150.000	170
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	4577494	150.000	150
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	4078925	150.000	150
105	1,3,5-Trimethylbenzene	105	9.263	9.263	(0.933)	4764373	150.000	160
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	4106416	150.000	150
107	1,2,4-Trimethylbenzene	105	9.598	9.598	(0.966)	4707951	150.000	150
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	6553211	150.000	150
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	5124379	150.000	150
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	2444030	150.000	150
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	2478558	150.000	160
112	1,2-Dichlorobenzene	146	10.307	10.307	(1.038)	2250053	150.000	150
113	Benzyl Chloride	126	10.160	10.160	(1.023)	590189	150.000	150
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	2515230	150.000	150
115	n-Butylbenzene	91	10.179	10.179	(1.025)	8022241	150.000	160
118	1,2,4,5-Tetramethylbenzene	119	10.839	10.839	(1.091)	4103235	150.000	150
119	1,2-Dibromo-3-chloropropane	75	10.997	10.997	(1.107)	247361	150.000	150
120	Nitrobenzene	77	11.489	11.489	(1.157)	1046466	1500.00	1400
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	1359449	150.000	150
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	715924	150.000	150
123	Naphthalene	128	11.884	11.884	(1.196)	4003952	150.000	150
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	1217968	150.000	150
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	1745176	150.000	160
M 126	1,2-Dichloroethene (total)	100				3261055	300.000	360
M 127	Xylene (total)	100				7803814	450.000	150

QC Flag Legend

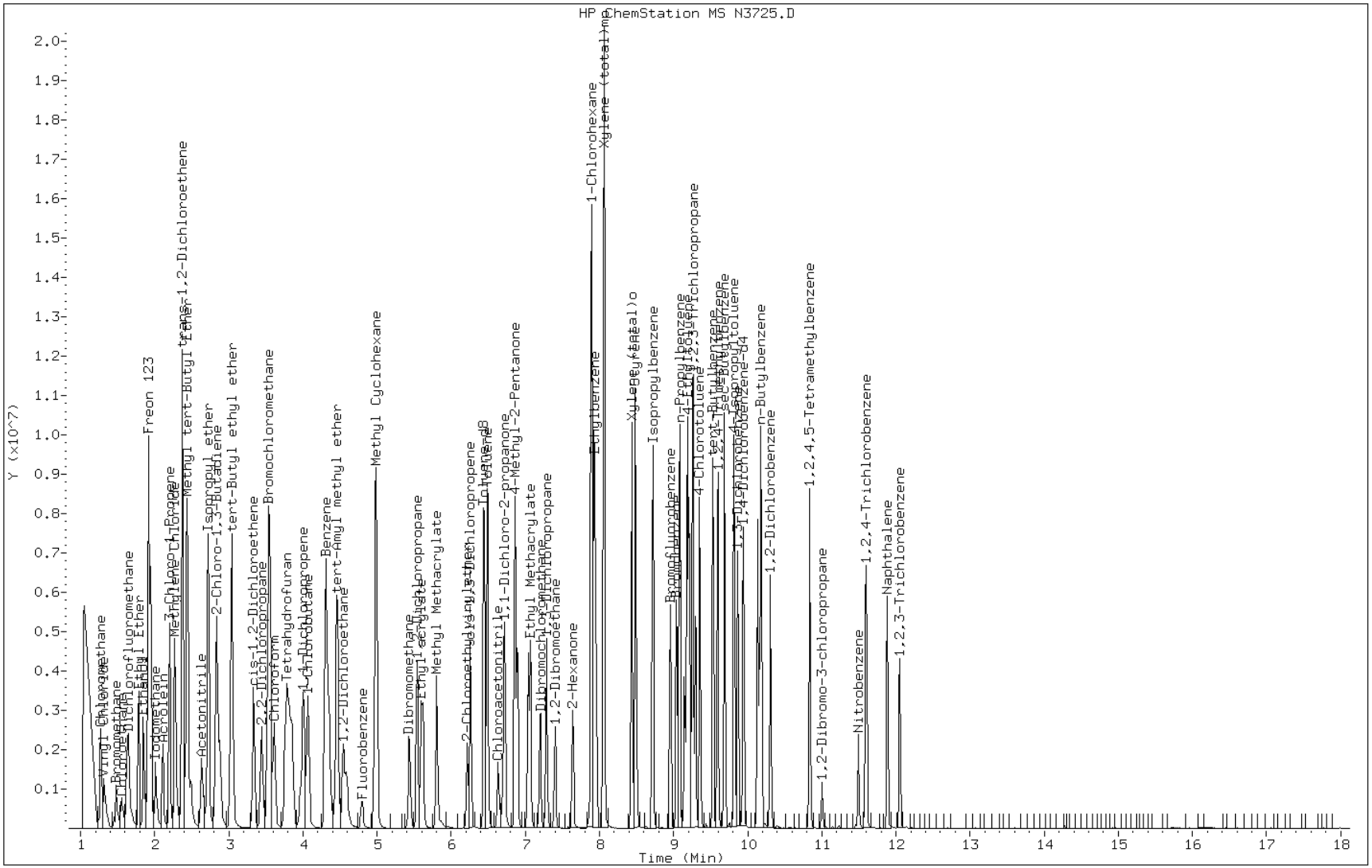
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3725.D

Date: 13-JUL-2011 17:41

Client ID: IC;150 Instrument: msn.i

Sample Info: IC;150 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3726.D
Lab Smp Id: IC;100 Client Smp ID: IC;100
Inj Date : 13-JUL-2011 18:21 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;100
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 17:41 Cal File: N3725.D
Als bottle: 100 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.801	4.801	(1.000)	769182	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.253)	258784	100.000	120
3	Chloromethane	50	1.274	1.274	(0.265)	1649034	100.000	95
4	Vinyl Chloride	62	1.313	1.313	(0.274)	1132467	100.000	97
5	Bromomethane	94	1.481	1.481	(0.308)	462808	100.000	110
6	Chloroethane	64	1.550	1.550	(0.323)	617745	100.000	120
7	Trichlorofluoromethane	101	1.628	1.628	(0.339)	1042639	100.000	100
8	Dichlorofluoromethane	67	1.648	1.648	(0.343)	1600351	100.000	100
9	Ethyl Ether	45	1.786	1.786	(0.372)	855163	100.000	100
10	Ethanol	45	1.845	1.845	(0.384)	535373	1000.00	1000
12	Freon 123	67	1.914	1.914	(0.399)	277791	100.000	98
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.401)	1040234	100.000	98
14	1,1-Dichloroethene	96	1.914	1.914	(0.399)	856259	100.000	98
15	Carbon Disulfide	76	1.944	1.944	(0.405)	3613695	100.000	95
16	Iodomethane	142	2.013	2.013	(0.419)	1158858	100.000	99
17	Acrolein	56	2.111	2.111	(0.440)	1116918	500.000	470
18	2-Propanol	45	2.032	2.032	(0.423)	94223	100.000	91
19	3-Chloro-1-Propene	41	2.200	2.200	(0.458)	2132891	100.000	97
20	Methylene Chloride	84	2.269	2.269	(0.473)	1163552	100.000	66
21	Acetone	43	2.288	2.288	(0.477)	810295	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.495)	1037704	100.000	110
	23 Methyl Acetate	43	2.367	2.367	(0.493)	7081331	100.000	130
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.510)	2951487	100.000	98
	25 tert-Butyl alcohol	59	2.485	2.485	(0.518)	926472	500.000	450(H)
	26 Acetonitrile	41	2.633	2.633	(0.549)	1656565	1000.00	930
	27 Isopropyl ether	45	2.722	2.722	(0.567)	4964996	100.000	97
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.633)	3730091	100.000	98
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.590)	963718	100.000	94
	30 Acrylonitrile	53	2.879	2.879	(0.600)	1290327	200.000	200
	31 1,1-Dichloroethane	63	2.840	2.840	(0.592)	2029902	100.000	98
	32 Vinyl Acetate	43	3.037	3.037	(0.633)	3302164	100.000	98
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.694)	1156231	100.000	96
	34 2,2-Dichloropropane	77	3.441	3.441	(0.717)	1254223	100.000	94
	35 Bromochloromethane	128	3.540	3.540	(0.737)	589229	100.000	97
	37 Cyclohexane	84	3.549	3.549	(0.739)	1617079	100.000	96
	38 Chloroform	83	3.608	3.608	(0.752)	1627838	100.000	96
	39 Ethyl Acetate	43	3.746	3.746	(0.780)	197805	200.000	220
	40 Methyl Acrylate	55	3.756	3.756	(0.782)	1374213	100.000	95
$	41 Dibromofluoromethane	111	3.815	3.815	(0.795)	1153007	100.000	99
	42 Tetrahydrofuran	42	3.786	3.786	(0.789)	1125242	200.000	180
	43 Carbon Tetrachloride	117	3.776	3.776	(0.787)	1023789	100.000	94
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.803)	1246072	100.000	95
	45 2-Butanone	43	3.963	3.963	(0.826)	1051659	100.000	98
	46 1,1-Dichloropropene	75	4.003	4.003	(0.834)	1416195	100.000	96
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.928)	3042366	100.000	99
	49 1-Chlorobutane	56	4.062	4.062	(0.846)	2341934	100.000	96
	51 Propionitrile	54	4.328	4.328	(0.902)	2122871	1000.00	930
	52 Benzene	78	4.308	4.308	(0.897)	4054672	100.000	96
	53 2-Methyl-2-Propenenitrile	41	4.347	4.347	(0.906)	969546	100.000	94
	54 Isobutyl alcohol	42	4.584	4.584	(0.955)	549170	1000.00	960
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.930)	1000415	100.000	100
	56 1,2-Dichloroethane	62	4.544	4.544	(0.947)	1181570	100.000	97
	59 Methyl Cyclohexane	83	4.978	4.978	(1.037)	1839603	100.000	98
	60 Trichloroethene	130	4.988	4.988	(1.039)	1045680	100.000	94
	63 Dibromomethane	93	5.431	5.431	(1.131)	704730	100.000	97
	64 1,2-Dichloropropane	63	5.539	5.539	(1.154)	1255585	100.000	97
	65 Bromodichloromethane	83	5.618	5.618	(1.170)	1184445	100.000	96
	66 Methyl Methacrylate	69	5.805	5.805	(1.209)	974099	100.000	97
	67 1,4-Dioxane	58	5.835	5.835	(1.215)	95552	1000.00	860
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.295)	658676	100.000	99
	174 Ethyl acrylate	55	5.589	5.589	(1.164)	1835090	100.000	89(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.304)	1683025	100.000	96
	71 Chloroacetonitrile	48	6.633	6.633	(1.382)	592031	1000.00	940
	72 2-Nitropropane	41	6.702	6.702	(1.396)	576411	200.000	180
	73 trans-1,3-Dichloropropene	75	6.889	6.889	(1.435)	1476409	100.000	97
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.466)	924873	100.000	99
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	621382	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	4116664	100.000	96
$	77 Toluene-d8	98	6.436	6.436	(0.817)	3638862	100.000	99
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	4527963	500.000	460
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	1675634	100.000	96
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	731319	100.000	98
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	1439565	100.000	99
	82 Dibromochloromethane	129	7.204	7.204	(0.915)	1043822	100.000	98

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	1675941	100.000	99
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	1106473	100.000	99
86	2-Hexanone	43	7.638	7.638	(0.970)	1367954	100.000	100
87	1-Chlorohexane	91	7.894	7.894	(1.002)	1539120	100.000	96
88	Chlorobenzene	112	7.894	7.894	(1.002)	2776451	100.000	98
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	891702	100.000	97
90	Ethylbenzene	106	7.924	7.924	(1.006)	1409970	100.000	98
91	Xylene (total)mp	106	8.061	8.061	(1.024)	3608835	200.000	200
92	Xylene (total)o	106	8.436	8.436	(1.071)	1687014	100.000	99
93	Styrene	104	8.485	8.485	(1.078)	2885107	100.000	100
94	Bromoform	173	8.495	8.495	(1.079)	587538	100.000	96
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	243723	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	3952636	100.000	96
97	Bromobenzene	156	9.037	9.037	(0.910)	954707	100.000	96
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	1243114	100.000	96
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	4116027	100.000	97(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	342368	100.000	95
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	692339	200.000	190
102	n-Propylbenzene	91	9.086	9.086	(0.915)	5016158	100.000	100
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	3157171	100.000	98
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	2828510	100.000	97
105	1,3,5-Trimethylbenzene	105	9.263	9.263	(0.933)	3171794	100.000	95
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	2778459	100.000	96
107	1,2,4-Trimethylbenzene	105	9.598	9.598	(0.966)	3202151	100.000	96
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	4419202	100.000	95
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	3509377	100.000	96
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	1696305	100.000	98
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	1698237	100.000	98
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	1575325	100.000	99
113	Benzyl Chloride	126	10.160	10.160	(1.023)	393944	100.000	93
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	1743003	100.000	98
115	n-Butylbenzene	91	10.180	10.180	(1.025)	5535081	100.000	100
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	2850006	100.000	98
119	1,2-Dibromo-3-chloropropane	75	11.007	11.007	(1.108)	160106	100.000	91
120	Nitrobenzene	77	11.500	11.500	(1.158)	603979	1000.00	800
121	1,2,4-Trichlorobenzene	180	11.608	11.608	(1.169)	999477	100.000	100
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	492080	100.000	97
123	Naphthalene	128	11.884	11.884	(1.196)	2757696	100.000	98
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	879725	100.000	100
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	1217509	100.000	100
M 126	1,2-Dichloroethene (total)	100				2193935	200.000	210
M 127	Xylene (total)	100				5295849	300.000	300

QC Flag Legend

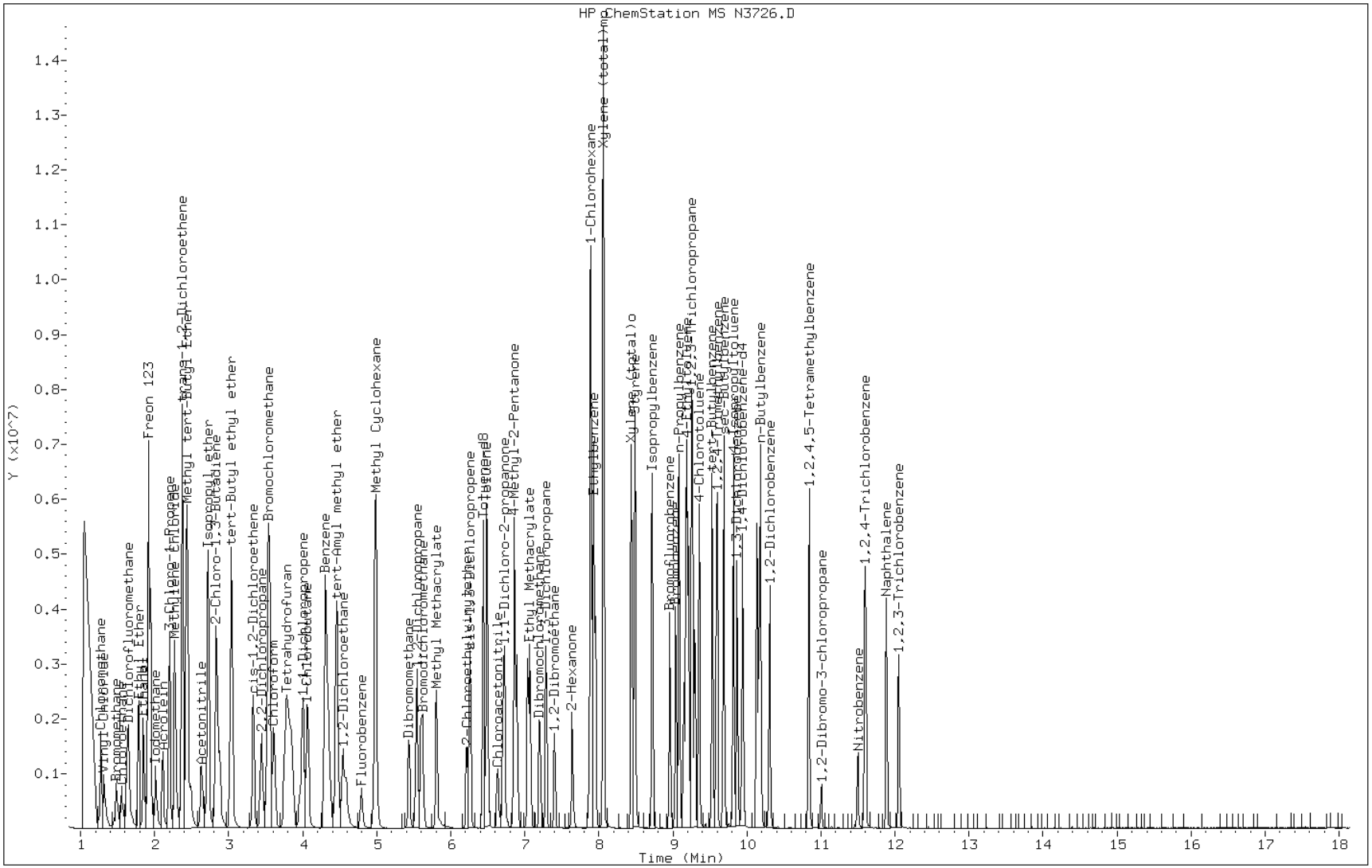
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3726.D

Date: 13-JUL-2011 18:21

Client ID: IC;100 Instrument: msn.i

Sample Info: IC;100 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3727.D
Lab Smp Id: IC;50 Client Smp ID: IC;50
Inj Date : 13-JUL-2011 18:46 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;50
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 18:21 Cal File: N3726.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.791	4.791	(1.000)	758998	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.254)	119524	50.0000	51
3	Chloromethane	50	1.274	1.274	(0.266)	836506	50.0000	50
4	Vinyl Chloride	62	1.313	1.313	(0.274)	590823	50.0000	52
5	Bromomethane	94	1.481	1.481	(0.309)	289883	50.0000	70
6	Chloroethane	64	1.550	1.550	(0.324)	359399	50.0000	68
7	Trichlorofluoromethane	101	1.629	1.629	(0.340)	546040	50.0000	54
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	857570	50.0000	56
9	Ethyl Ether	45	1.786	1.786	(0.373)	439848	50.0000	53
10	Ethanol	45	1.845	1.845	(0.385)	300726	500.000	580
12	Freon 123	67	1.914	1.914	(0.400)	118741	50.0000	43
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	511302	50.0000	49
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	424684	50.0000	50
15	Carbon Disulfide	76	1.944	1.944	(0.406)	1759798	50.0000	48
16	Iodomethane	142	2.013	2.013	(0.420)	577920	50.0000	50
17	Acrolein	56	2.111	2.111	(0.441)	560311	250.000	240
18	2-Propanol	45	2.033	2.033	(0.424)	56407	50.0000	57
19	3-Chloro-1-Propene	41	2.200	2.200	(0.459)	1058437	50.0000	49
20	Methylene Chloride	84	2.269	2.269	(0.474)	609619	50.0000	40
21	Acetone	43	2.289	2.289	(0.478)	374450	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	516947	50.0000	54
	23 Methyl Acetate	43	2.368	2.368	(0.494)	3482493	50.0000	41
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	1423011	50.0000	48
	25 tert-Butyl alcohol	59	2.486	2.486	(0.519)	460839	250.000	240(H)
	26 Acetonitrile	41	2.624	2.624	(0.548)	872711	500.000	510
	27 Isopropyl ether	45	2.722	2.722	(0.568)	2437433	50.0000	49
	28 tert-Butyl ethyl ether	59	3.028	3.028	(0.632)	1839842	50.0000	49
	29 2-Chloro-1,3-Butadiene	88	2.831	2.831	(0.591)	471547	50.0000	48
	30 Acrylonitrile	53	2.880	2.880	(0.601)	651638	100.000	100
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	1004622	50.0000	49
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	1631575	50.0000	49
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.696)	577199	50.0000	49
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	626982	50.0000	49
	35 Bromochloromethane	128	3.540	3.540	(0.739)	297486	50.0000	50
	37 Cyclohexane	84	3.550	3.550	(0.741)	802547	50.0000	49
	38 Chloroform	83	3.609	3.609	(0.753)	814679	50.0000	49
	39 Ethyl Acetate	43	3.747	3.747	(0.782)	106313	100.000	130
	40 Methyl Acrylate	55	3.757	3.757	(0.784)	681087	50.0000	48
$	41 Dibromofluoromethane	111	3.816	3.816	(0.796)	286209	25.0000	25
	42 Tetrahydrofuran	42	3.786	3.786	(0.790)	568227	100.000	97
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	510068	50.0000	48
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.805)	616285	50.0000	48
	45 2-Butanone	43	3.964	3.964	(0.827)	487874	50.0000	46
	46 1,1-Dichloropropene	75	4.003	4.003	(0.836)	698041	50.0000	49
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.930)	1475093	50.0000	49
	49 1-Chlorobutane	56	4.062	4.062	(0.848)	1155684	50.0000	49
	51 Propionitrile	54	4.318	4.318	(0.901)	1072172	500.000	490
	52 Benzene	78	4.308	4.308	(0.899)	2007111	50.0000	49
	53 2-Methyl-2-Propenenitrile	41	4.348	4.348	(0.907)	480735	50.0000	48
	54 Isobutyl alcohol	42	4.584	4.584	(0.957)	272204	500.000	490
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.932)	250676	25.0000	25
	56 1,2-Dichloroethane	62	4.545	4.545	(0.949)	590539	50.0000	50
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	907392	50.0000	49
	60 Trichloroethene	130	4.988	4.988	(1.041)	528678	50.0000	49
	63 Dibromomethane	93	5.431	5.431	(1.134)	343000	50.0000	48
	64 1,2-Dichloropropane	63	5.540	5.540	(1.156)	635341	50.0000	50
	65 Bromodichloromethane	83	5.619	5.619	(1.173)	567279	50.0000	47
	66 Methyl Methacrylate	69	5.806	5.806	(1.212)	477353	50.0000	49
	67 1,4-Dioxane	58	5.826	5.826	(1.216)	52767	500.000	510
	69 2-Chloroethylvinylether	63	6.220	6.220	(1.298)	317879	50.0000	49
	174 Ethyl acrylate	55	5.589	5.589	(1.167)	962530	50.0000	49(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.306)	827197	50.0000	48
	71 Chloroacetonitrile	48	6.633	6.633	(1.384)	285760	500.000	470
	72 2-Nitropropane	41	6.702	6.702	(1.399)	283765	100.000	93
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.440)	701147	50.0000	47
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	459390	50.0000	50
*	75 Chlorobenzene-d5	117	7.875	7.875	(1.000)	630483	25.0000	
	76 Toluene	91	6.486	6.486	(0.824)	2027680	50.0000	47
$	77 Toluene-d8	98	6.446	6.446	(0.819)	904776	25.0000	24
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	2206343	250.000	230
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	816757	50.0000	47
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	362726	50.0000	48
	81 Ethyl Methacrylate	69	7.067	7.067	(0.897)	693219	50.0000	47
	82 Dibromochloromethane	129	7.205	7.205	(0.915)	502192	50.0000	47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.284	7.284	(0.925)	826639	50.0000	48
84	1,2-Dibromoethane	107	7.402	7.402	(0.940)	537616	50.0000	47
86	2-Hexanone	43	7.638	7.638	(0.970)	627413	50.0000	45
87	1-Chlorohexane	91	7.894	7.894	(1.002)	765236	50.0000	48
88	Chlorobenzene	112	7.894	7.894	(1.002)	1389979	50.0000	49
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	433561	50.0000	47
90	Ethylbenzene	106	7.924	7.924	(1.006)	707607	50.0000	49
91	Xylene (total)mp	106	8.062	8.062	(1.024)	1794855	100.000	97
92	Xylene (total)o	106	8.436	8.436	(1.071)	853927	50.0000	50
93	Styrene	104	8.485	8.485	(1.078)	1441705	50.0000	49
94	Bromoform	173	8.495	8.495	(1.079)	276590	50.0000	45
* 95	1,4-Dichlorobenzene-d4	152	9.934	9.934	(1.000)	246434	25.0000	
96	Isopropylbenzene	105	8.722	8.722	(0.878)	2004896	50.0000	49
97	Bromobenzene	156	9.037	9.037	(0.910)	484944	50.0000	49
98	1,1,2,2-Tetrachloroethane	83	9.146	9.146	(0.921)	628247	50.0000	48
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	2079791	50.0000	49(H)
100	1,2,3-Trichloropropane	110	9.254	9.254	(0.932)	174398	50.0000	48
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	339289	100.000	93
102	n-Propylbenzene	91	9.086	9.086	(0.915)	2540379	50.0000	50
103	2-Chlorotoluene	91	9.205	9.205	(0.927)	1627661	50.0000	50
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	1442886	50.0000	50
105	1,3,5-Trimethylbenzene	105	9.264	9.264	(0.933)	1643045	50.0000	50
106	tert-Butylbenzene	119	9.530	9.530	(0.959)	1431980	50.0000	50
107	1,2,4-Trimethylbenzene	105	9.599	9.599	(0.966)	1651313	50.0000	50
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	2282881	50.0000	50
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	1769459	50.0000	49
110	1,3-Dichlorobenzene	146	9.865	9.865	(0.993)	855601	50.0000	49
111	1,4-Dichlorobenzene	146	9.944	9.944	(1.001)	875107	50.0000	50
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	797798	50.0000	50
113	Benzyl Chloride	126	10.160	10.160	(1.023)	193531	50.0000	46
114	1,4-Diethylbenzene	119	10.131	10.131	(1.020)	883677	50.0000	49
115	n-Butylbenzene	91	10.180	10.180	(1.025)	2775788	50.0000	50
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	1423658	50.0000	49
119	1,2-Dibromo-3-chloropropane	75	10.998	10.998	(1.107)	78779	50.0000	46
120	Nitrobenzene	77	11.500	11.500	(1.158)	241017	500.000	340
121	1,2,4-Trichlorobenzene	180	11.599	11.599	(1.168)	488645	50.0000	49
122	Hexachlorobutadiene	225	11.589	11.589	(1.167)	241870	50.0000	48
123	Naphthalene	128	11.884	11.884	(1.196)	1369463	50.0000	48
124	1,2,3-Trichlorobenzene	180	12.052	12.052	(1.213)	445034	50.0000	51
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	317449	25.0000	26
M 126	1,2-Dichloroethene (total)	100				1094146	100.000	100
M 127	Xylene (total)	100				2648782	150.000	150

QC Flag Legend

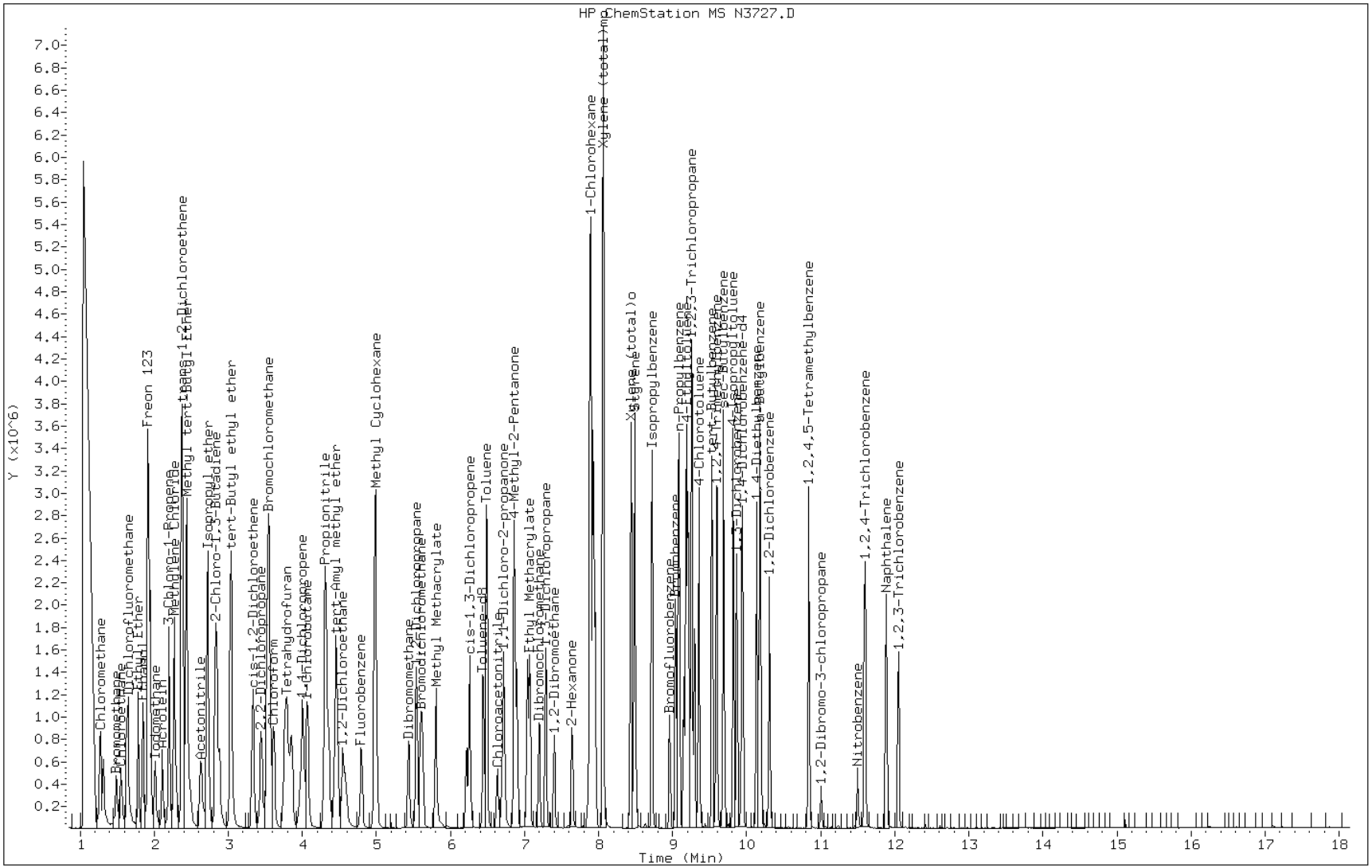
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3727.D

Date: 13-JUL-2011 18:46

Client ID: IC;50 Instrument: msn.i

Sample Info: IC;50 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3728.D
Lab Smp Id: IC;20 Client Smp ID: IC;20
Inj Date : 13-JUL-2011 19:11 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;20
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
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Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 18:46 Cal File: N3727.D
Als bottle: 100 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.791	4.791	(1.000)	726752	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.254)	42205	20.0000	19
3	Chloromethane	50	1.274	1.274	(0.266)	281887	20.0000	18
4	Vinyl Chloride	62	1.313	1.313	(0.274)	203448	20.0000	18
5	Bromomethane	94	1.481	1.481	(0.309)	104471	20.0000	24
6	Chloroethane	64	1.550	1.550	(0.324)	130017	20.0000	24
7	Trichlorofluoromethane	101	1.628	1.628	(0.340)	192489	20.0000	20
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	326985	20.0000	22
9	Ethyl Ether	45	1.786	1.786	(0.373)	171934	20.0000	21
10	Ethanol	45	1.845	1.845	(0.385)	108768	200.000	210
12	Freon 123	67	1.914	1.914	(0.400)	54292	20.0000	21
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	192138	20.0000	19
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	156721	20.0000	19
15	Carbon Disulfide	76	1.944	1.944	(0.406)	628682	20.0000	18
16	Iodomethane	142	2.013	2.013	(0.420)	194596	20.0000	18
17	Acrolein	56	2.111	2.111	(0.441)	219018	100.000	100
18	2-Propanol	45	2.032	2.032	(0.424)	23962	20.0000	24
19	3-Chloro-1-Propene	41	2.200	2.200	(0.459)	396770	20.0000	19
20	Methylene Chloride	84	2.269	2.269	(0.474)	263072	20.0000	19
21	Acetone	43	2.288	2.288	(0.478)	160653	20.0000	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	190856	20.0000	20
	23 Methyl Acetate	43	2.367	2.367	(0.494)	1388128	20.0000	13
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	557967	20.0000	20
	25 tert-Butyl alcohol	59	2.485	2.485	(0.519)	194579	100.000	110(H)
	26 Acetonitrile	41	2.633	2.633	(0.550)	347554	200.000	210
	27 Isopropyl ether	45	2.722	2.722	(0.568)	924942	20.0000	19
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.634)	700101	20.0000	20
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.591)	176078	20.0000	19
	30 Acrylonitrile	53	2.879	2.879	(0.601)	253347	40.0000	41
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	381175	20.0000	20
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	641232	20.0000	20
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.696)	215670	20.0000	19
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	230964	20.0000	19
	35 Bromochloromethane	128	3.540	3.540	(0.739)	116855	20.0000	20
	37 Cyclohexane	84	3.549	3.549	(0.741)	290305	20.0000	19
	38 Chloroform	83	3.609	3.609	(0.753)	311138	20.0000	20
	39 Ethyl Acetate	43	3.746	3.746	(0.782)	51922	40.0000	65
	40 Methyl Acrylate	55	3.756	3.756	(0.784)	248306	20.0000	18
$	41 Dibromofluoromethane	111	3.815	3.815	(0.796)	212341	20.0000	19
	42 Tetrahydrofuran	42	3.796	3.796	(0.792)	228747	40.0000	41
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	182600	20.0000	18
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.805)	231179	20.0000	19
	45 2-Butanone	43	3.963	3.963	(0.827)	193779	20.0000	20
	46 1,1-Dichloropropene	75	4.003	4.003	(0.836)	264836	20.0000	19
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.930)	585105	20.0000	20
	49 1-Chlorobutane	56	4.062	4.062	(0.848)	440361	20.0000	19
	51 Propionitrile	54	4.328	4.328	(0.903)	413644	200.000	200
	52 Benzene	78	4.308	4.308	(0.899)	768992	20.0000	20
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.910)	190621	20.0000	20
	54 Isobutyl alcohol	42	4.584	4.584	(0.957)	107581	200.000	200
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.932)	187148	20.0000	20
	56 1,2-Dichloroethane	62	4.544	4.544	(0.949)	229918	20.0000	20
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	341838	20.0000	19
	60 Trichloroethene	130	4.988	4.988	(1.041)	199525	20.0000	19
	63 Dibromomethane	93	5.431	5.431	(1.134)	132633	20.0000	20
	64 1,2-Dichloropropane	63	5.539	5.539	(1.156)	238357	20.0000	20
	65 Bromodichloromethane	83	5.618	5.618	(1.173)	217011	20.0000	19
	66 Methyl Methacrylate	69	5.805	5.805	(1.212)	180177	20.0000	19
	67 1,4-Dioxane	58	5.835	5.835	(1.218)	25046	200.000	250(M)
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.298)	121440	20.0000	20
	174 Ethyl acrylate	55	5.589	5.589	(1.167)	389823	20.0000	21(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.306)	307193	20.0000	19
	71 Chloroacetonitrile	48	6.633	6.633	(1.385)	106503	200.000	180
	72 2-Nitropropane	41	6.702	6.702	(1.399)	108827	40.0000	38
	73 trans-1,3-Dichloropropene	75	6.889	6.889	(1.438)	269040	20.0000	19
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	179372	20.0000	20
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	611678	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	779174	20.0000	19
$	77 Toluene-d8	98	6.436	6.436	(0.817)	670095	20.0000	19
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	846496	100.000	92
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	330919	20.0000	20
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	138258	20.0000	19
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	262439	20.0000	19
	82 Dibromochloromethane	129	7.195	7.195	(0.914)	185435	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	326867	20.0000	20
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	207315	20.0000	19
86	2-Hexanone	43	7.638	7.638	(0.970)	245087	20.0000	19
87	1-Chlorohexane	91	7.894	7.894	(1.002)	298791	20.0000	19
88	Chlorobenzene	112	7.884	7.884	(1.001)	534346	20.0000	19
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	164953	20.0000	19
90	Ethylbenzene	106	7.924	7.924	(1.006)	272774	20.0000	19
91	Xylene (total)mp	106	8.061	8.061	(1.024)	693368	40.0000	39
92	Xylene (total)o	106	8.436	8.436	(1.071)	332329	20.0000	20
93	Styrene	104	8.485	8.485	(1.078)	552514	20.0000	19
94	Bromoform	173	8.495	8.495	(1.079)	101230	20.0000	18
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	246673	25.0000	
96	Isopropylbenzene	105	8.722	8.722	(0.878)	773318	20.0000	19
97	Bromobenzene	156	9.037	9.037	(0.910)	189321	20.0000	19
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	256277	20.0000	20
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	822255	20.0000	19(H)
100	1,2,3-Trichloropropane	110	9.254	9.254	(0.932)	71486	20.0000	20
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	123923	40.0000	35
102	n-Propylbenzene	91	9.076	9.076	(0.914)	985030	20.0000	19
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	639273	20.0000	20
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	569115	20.0000	20
105	1,3,5-Trimethylbenzene	105	9.254	9.254	(0.932)	643311	20.0000	19
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	568647	20.0000	20
107	1,2,4-Trimethylbenzene	105	9.588	9.588	(0.965)	644181	20.0000	19
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	916428	20.0000	20
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	712613	20.0000	20
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	336727	20.0000	19
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	354131	20.0000	20
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	316072	20.0000	20
113	Benzyl Chloride	126	10.160	10.160	(1.023)	70360	20.0000	17
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	348589	20.0000	19
115	n-Butylbenzene	91	10.180	10.180	(1.025)	1066807	20.0000	19
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	544926	20.0000	19
119	1,2-Dibromo-3-chloropropane	75	10.997	10.997	(1.107)	28481	20.0000	17
120	Nitrobenzene	77	11.490	11.490	(1.157)	66794	200.000	100
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	197455	20.0000	20
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	102304	20.0000	20
123	Naphthalene	128	11.884	11.884	(1.196)	560982	20.0000	20
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	176834	20.0000	20
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	238009	20.0000	19
M 126	1,2-Dichloroethene (total)	100				406526	40.0000	40
M 127	Xylene (total)	100				1025697	60.0000	59

QC Flag Legend

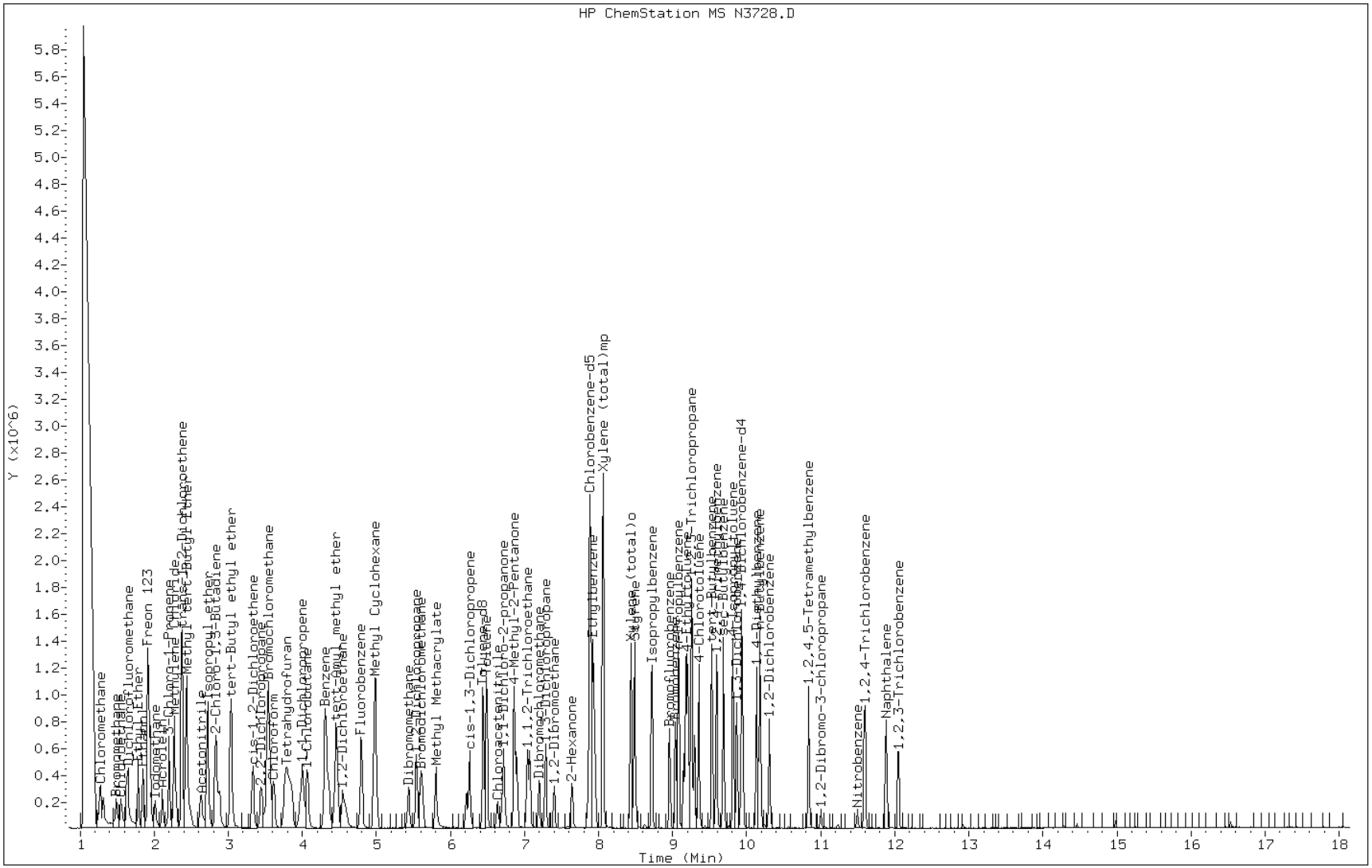
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3728.D

Date: 13-JUL-2011 19:11

Client ID: IC;20 Instrument: msn.i

Sample Info: IC;20 Operator: D. HUMBERT



Manual Integration Report

Data File: N3728.D
Inj. Date and Time: 13-JUL-2011 19:11
Instrument ID: msn.i
Client ID: IC;20
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

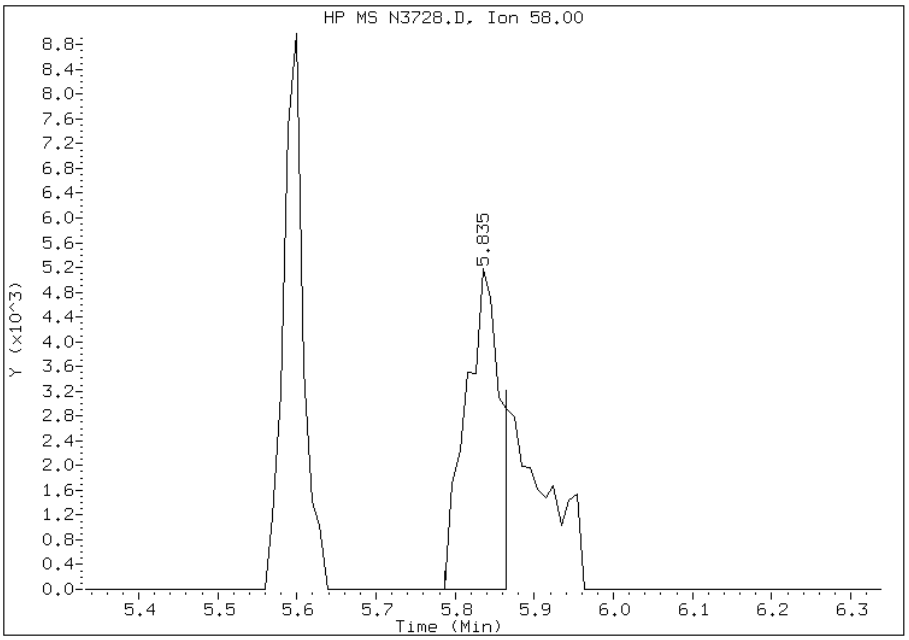
Processing Integration Results

RT: 5.84

Response: 15887

Amount: 166

Conc: 166



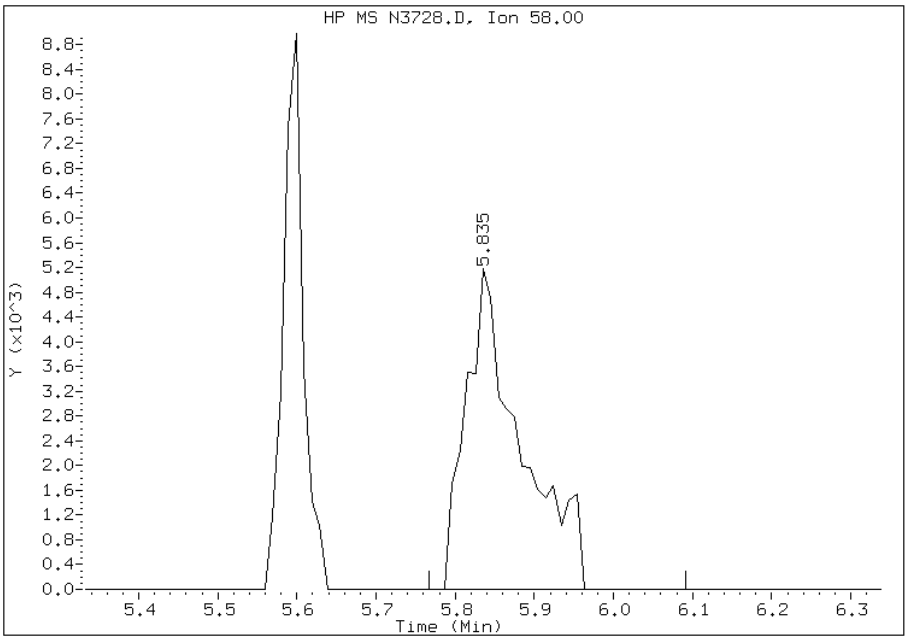
Manual Integration Results

RT: 5.84

Response: 25046

Amount: 250

Conc: 250



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3729.D
Lab Smp Id: IC;5 Client Smp ID: IC;5
Inj Date : 13-JUL-2011 19:37 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;5
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 19:11 Cal File: N3728.D
Als bottle: 100 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.790	4.790	(1.000)	736410	25.0000	
2	Dichlorodifluoromethane	85	1.214	1.214	(0.254)	4918	5.00000	2(M)
3	Chloromethane	50	1.273	1.273	(0.266)	74186	5.00000	5
4	Vinyl Chloride	62	1.313	1.313	(0.274)	52361	5.00000	5
5	Bromomethane	94	1.490	1.490	(0.311)	29366	5.00000	6(M)
6	Chloroethane	64	1.549	1.549	(0.323)	41045	5.00000	7
7	Trichlorofluoromethane	101	1.628	1.628	(0.340)	49876	5.00000	5
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	83552	5.00000	5
9	Ethyl Ether	45	1.786	1.786	(0.373)	44763	5.00000	5
10	Ethanol	45	1.845	1.845	(0.385)	25762	50.0000	49(M)
12	Freon 123	67	1.914	1.914	(0.400)	10571	5.00000	4
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	45050	5.00000	4
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	39770	5.00000	5
15	Carbon Disulfide	76	1.953	1.953	(0.408)	161535	5.00000	5
16	Iodomethane	142	2.012	2.012	(0.420)	48980	5.00000	4
17	Acrolein	56	2.111	2.111	(0.441)	49493	25.0000	22
18	2-Propanol	45	2.032	2.032	(0.424)	5555	5.00000	5(M)
19	3-Chloro-1-Propene	41	2.199	2.199	(0.459)	99063	5.00000	5
20	Methylene Chloride	84	2.268	2.268	(0.474)	110745	5.00000	8
21	Acetone	43	2.288	2.288	(0.478)	48100	5.00000	6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	50665	5.00000	5
	23 Methyl Acetate	43	2.367	2.367	(0.494)	331288	5.00000	-2
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	137521	5.00000	5
	25 tert-Butyl alcohol	59	2.485	2.485	(0.519)	43241	25.0000	23
	26 Acetonitrile	41	2.633	2.633	(0.550)	90544	50.0000	54
	27 Isopropyl ether	45	2.722	2.722	(0.568)	236012	5.00000	5
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.634)	176760	5.00000	5
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.591)	42536	5.00000	4
	30 Acrylonitrile	53	2.879	2.879	(0.601)	57717	10.0000	9
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	93666	5.00000	5
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	147128	5.00000	4
	33 cis-1,2-Dichloroethene	96	3.332	3.332	(0.696)	55005	5.00000	5
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	66996	5.00000	5
	35 Bromochloromethane	128	3.529	3.529	(0.737)	28317	5.00000	5
	37 Cyclohexane	84	3.559	3.559	(0.743)	73917	5.00000	5
	38 Chloroform	83	3.608	3.608	(0.753)	79863	5.00000	5
	39 Ethyl Acetate	43	3.746	3.746	(0.782)	26979	10.0000	28
	40 Methyl Acrylate	55	3.756	3.756	(0.784)	57859	5.00000	4
$	41 Dibromofluoromethane	111	3.815	3.815	(0.796)	51593	5.00000	5
	42 Tetrahydrofuran	42	3.795	3.795	(0.792)	51960	10.0000	9
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	44773	5.00000	4
	44 1,1,1-Trichloroethane	97	3.854	3.854	(0.805)	54985	5.00000	4
	45 2-Butanone	43	3.963	3.963	(0.827)	47143	5.00000	5
	46 1,1-Dichloropropene	75	4.002	4.002	(0.835)	68219	5.00000	5
	47 tert-Amyl methyl ether	73	4.455	4.455	(0.930)	137949	5.00000	5
	49 1-Chlorobutane	56	4.071	4.071	(0.850)	110772	5.00000	5
	51 Propionitrile	54	4.327	4.327	(0.903)	94463	50.0000	45
	52 Benzene	78	4.308	4.308	(0.899)	197593	5.00000	5
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.910)	50379	5.00000	5
	54 Isobutyl alcohol	42	4.583	4.583	(0.957)	21653	50.0000	40
$	55 1,2-Dichloroethane-d4	65	4.465	4.465	(0.932)	48606	5.00000	5
	56 1,2-Dichloroethane	62	4.544	4.544	(0.949)	58744	5.00000	5
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	86751	5.00000	5
	60 Trichloroethene	130	4.987	4.987	(1.041)	48192	5.00000	5
	63 Dibromomethane	93	5.431	5.431	(1.134)	33250	5.00000	5
	64 1,2-Dichloropropane	63	5.539	5.539	(1.156)	59044	5.00000	5(T)
	65 Bromodichloromethane	83	5.618	5.618	(1.173)	51505	5.00000	4
	66 Methyl Methacrylate	69	5.805	5.805	(1.212)	40750	5.00000	4
	67 1,4-Dioxane	58	5.825	5.825	(1.216)	2770	50.0000	26
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.298)	25255	5.00000	4
	174 Ethyl acrylate	55	5.598	5.598	(1.169)	84419	5.00000	4(A)
	70 cis-1,3-Dichloropropene	75	6.258	6.258	(1.306)	73922	5.00000	4
	71 Chloroacetonitrile	48	6.633	6.633	(1.385)	23470	50.0000	41
	72 2-Nitropropane	41	6.702	6.702	(1.399)	24538	10.0000	8(M)
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.440)	62371	5.00000	4
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	42385	5.00000	5
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	604537	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	197377	5.00000	5
$	77 Toluene-d8	98	6.436	6.436	(0.817)	169994	5.00000	5
	78 1,1-Dichloro-2-propanone	43	6.721	6.721	(0.854)	162762	25.0000	18(M)
	79 4-Methyl-2-Pentanone	43	6.859	6.859	(0.871)	74913	5.00000	4
	80 Tetrachloroethene	164	6.859	6.859	(0.871)	33283	5.00000	5
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	57705	5.00000	4
	82 Dibromochloromethane	129	7.194	7.194	(0.914)	39450	5.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	78615	5.00000	5
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	49727	5.00000	5
86	2-Hexanone	43	7.647	7.647	(0.971)	57368	5.00000	4
87	1-Chlorohexane	91	7.894	7.894	(1.002)	72705	5.00000	5
88	Chlorobenzene	112	7.894	7.894	(1.002)	135417	5.00000	5
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	39059	5.00000	4(M)
90	Ethylbenzene	106	7.923	7.923	(1.006)	69971	5.00000	5
91	Xylene (total)mp	106	8.061	8.061	(1.024)	167081	10.0000	10
92	Xylene (total)o	106	8.435	8.435	(1.071)	82747	5.00000	5
93	Styrene	104	8.485	8.485	(1.078)	128177	5.00000	4
94	Bromoform	173	8.495	8.495	(1.079)	20436	5.00000	4
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	240425	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	191164	5.00000	5
97	Bromobenzene	156	9.036	9.036	(0.910)	45216	5.00000	5
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	58745	5.00000	5
99	4-Ethyltoluene	105	9.184	9.184	(0.925)	199945	5.00000	5(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	16840	5.00000	5
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	28421	10.0000	8
102	n-Propylbenzene	91	9.086	9.086	(0.915)	244131	5.00000	5
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	161399	5.00000	5
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	141396	5.00000	5
105	1,3,5-Trimethylbenzene	105	9.253	9.253	(0.932)	163340	5.00000	5
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	144981	5.00000	5
107	1,2,4-Trimethylbenzene	105	9.588	9.588	(0.965)	163062	5.00000	5
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	226608	5.00000	5
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	176757	5.00000	5
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	86008	5.00000	5
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	89261	5.00000	5
112	1,2-Dichlorobenzene	146	10.307	10.307	(1.038)	79084	5.00000	5
113	Benzyl Chloride	126	10.160	10.160	(1.023)	13641	5.00000	4
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	83793	5.00000	5
115	n-Butylbenzene	91	10.179	10.179	(1.025)	230843	5.00000	4
118	1,2,4,5-Tetramethylbenzene	119	10.839	10.839	(1.091)	134224	5.00000	5
119	1,2-Dibromo-3-chloropropane	75	11.007	11.007	(1.108)	6037	5.00000	4
120	Nitrobenzene	77	11.499	11.499	(1.158)	12237	50.0000	21
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	47714	5.00000	5
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	26481	5.00000	5
123	Naphthalene	128	11.884	11.884	(1.196)	140376	5.00000	5
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	45794	5.00000	5
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	59209	5.00000	5
M 126	1,2-Dichloroethene (total)	100				105670	10.0000	10
M 127	Xylene (total)	100				249828	15.0000	14

QC Flag Legend

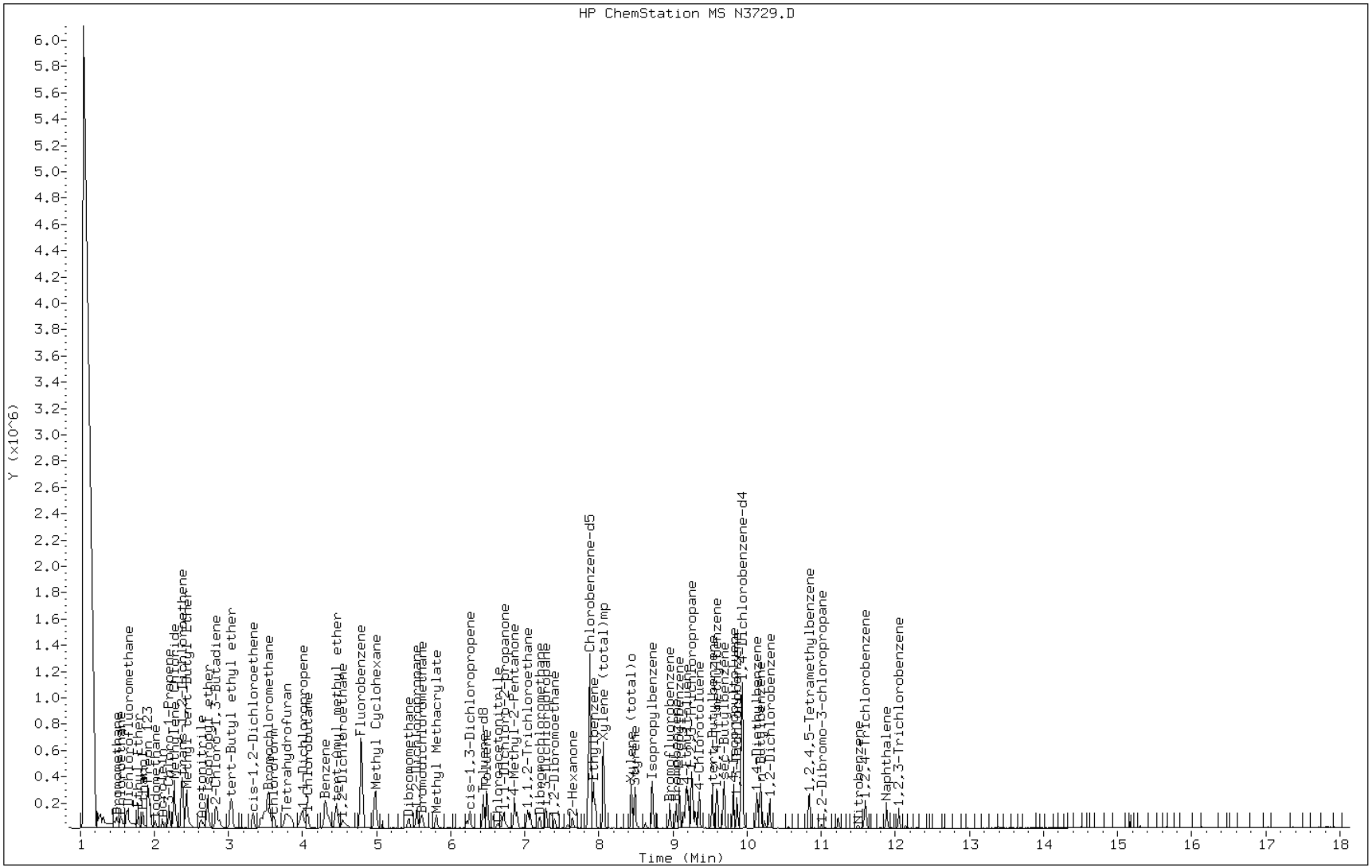
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3729.D

Date: 13-JUL-2011 19:37

Client ID: IC;5 Instrument: msn.i

Sample Info: IC;5 Operator: D. HUMBERT



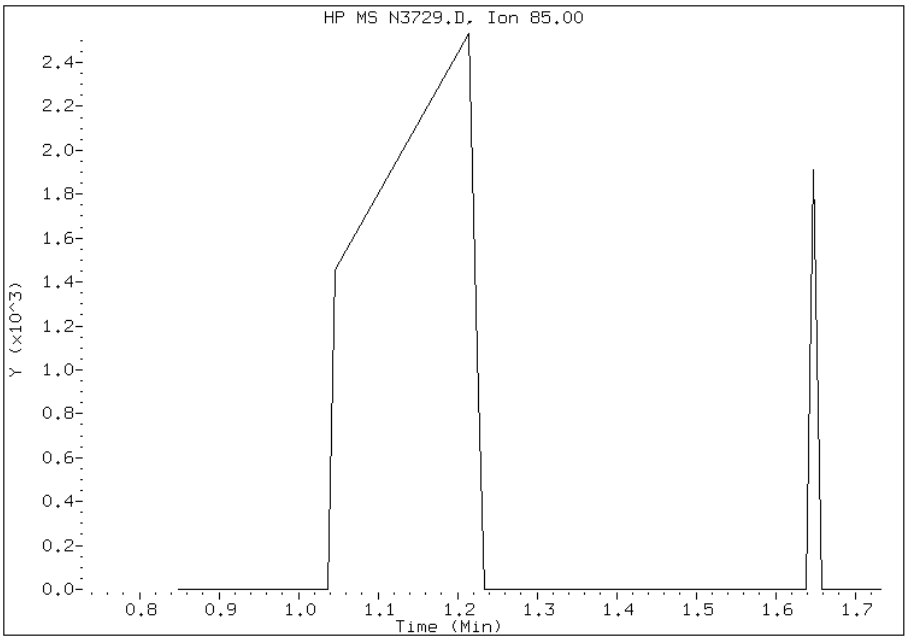
Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.23



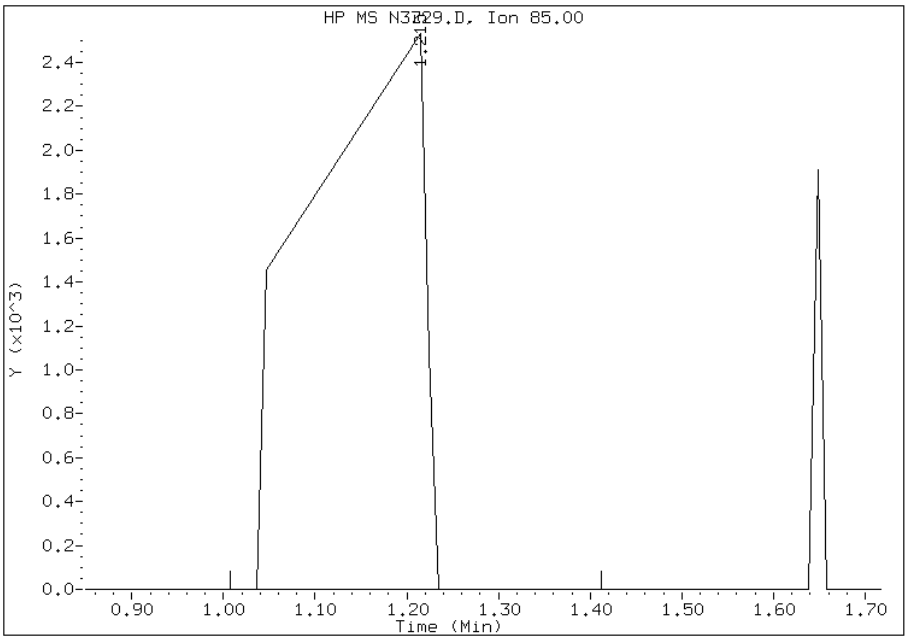
Manual Integration Results

RT: 1.21

Response: 4918

Amount: 2

Conc: 2



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/14/2011

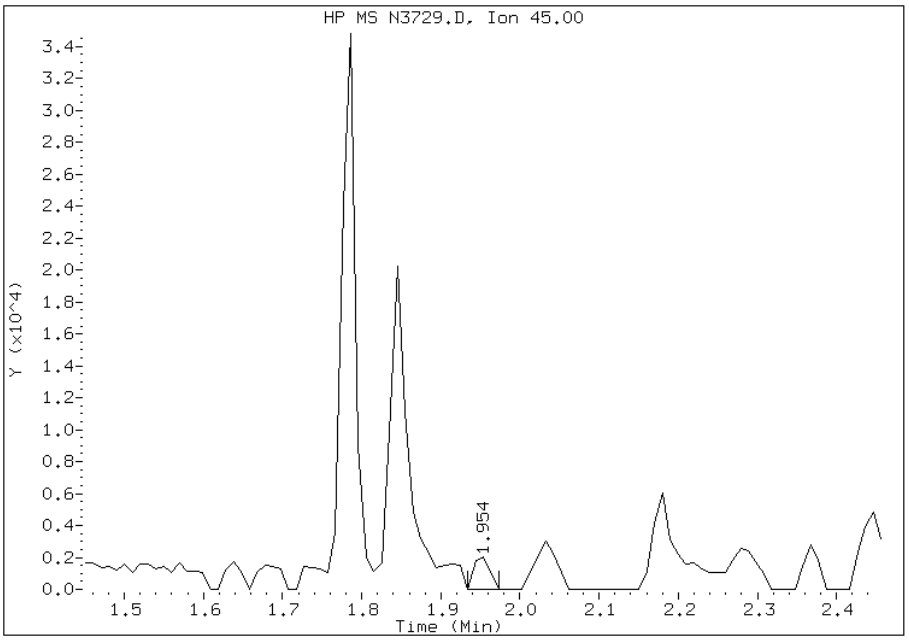
Processing Integration Results

RT: 1.95

Response: 2944

Amount: -1

Conc: -1



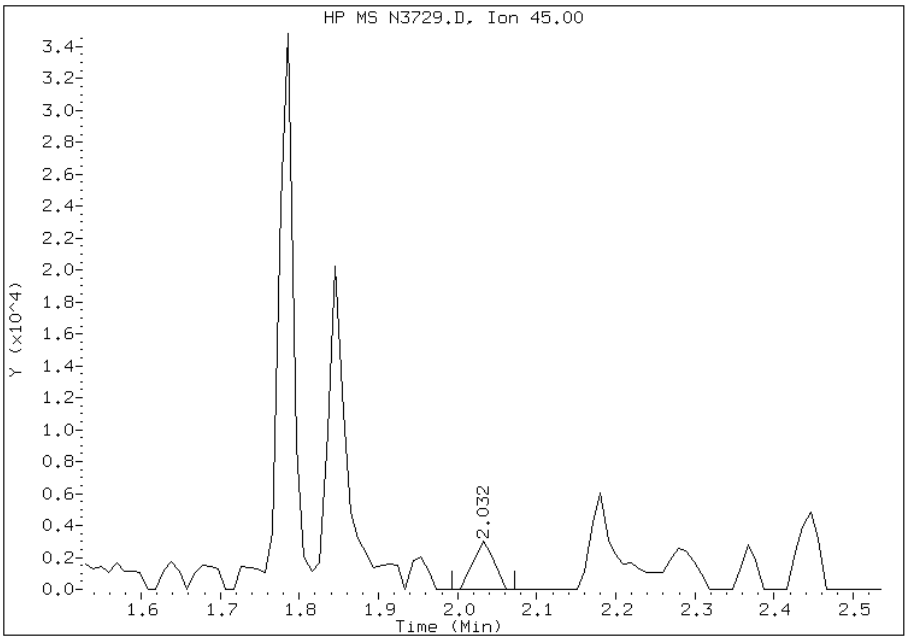
Manual Integration Results

RT: 2.03

Response: 5555

Amount: 5

Conc: 5



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 78 1,1-Dichloro-2-propanone
CAS #: 513-88-2
Report Date: 07/14/2011

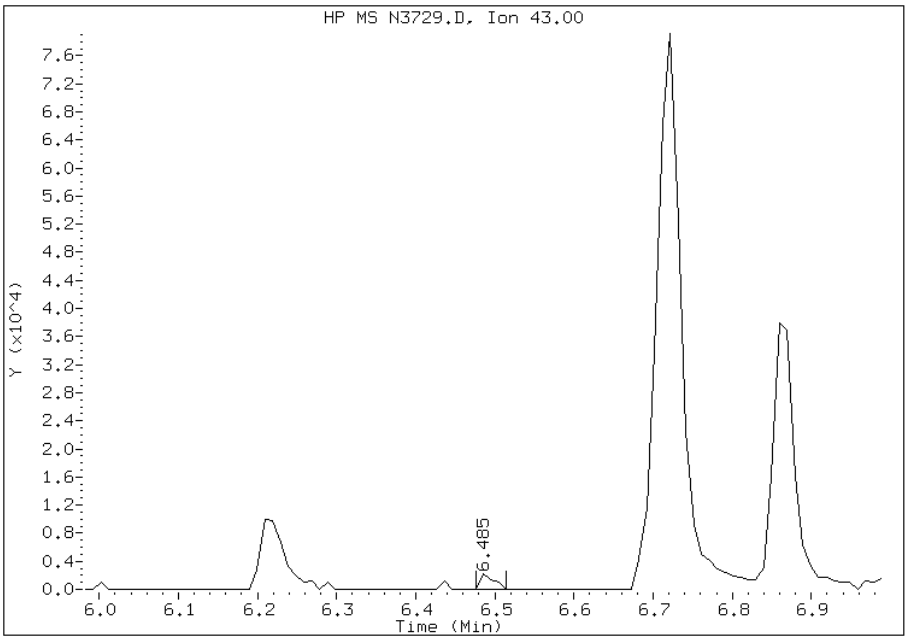
Processing Integration Results

RT: 6.49

Response: 2765

Amount: 0

Conc: 0



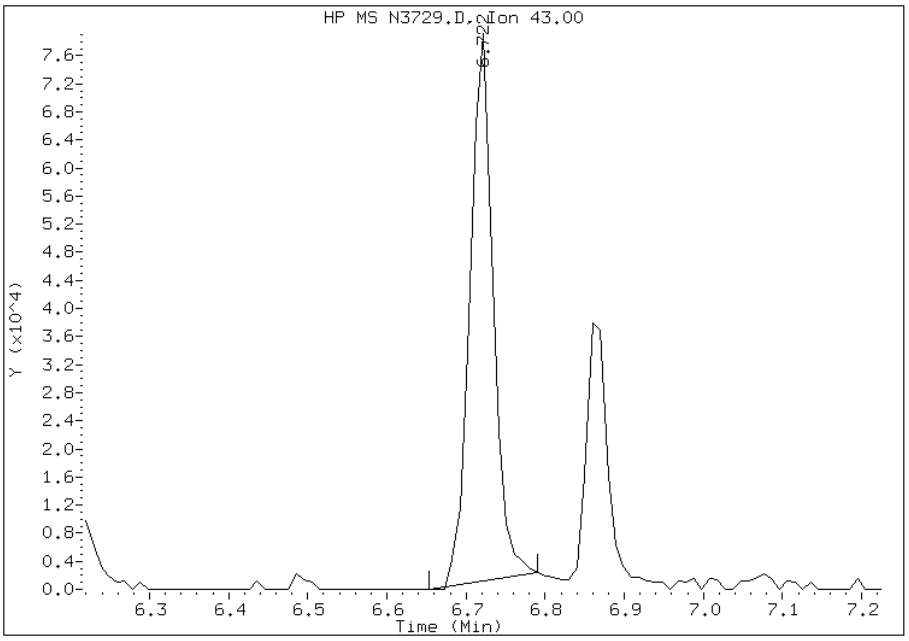
Manual Integration Results

RT: 6.72

Response: 162762

Amount: 18

Conc: 18



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 72 2-Nitropropane
CAS #: 79-46-9
Report Date: 07/14/2011

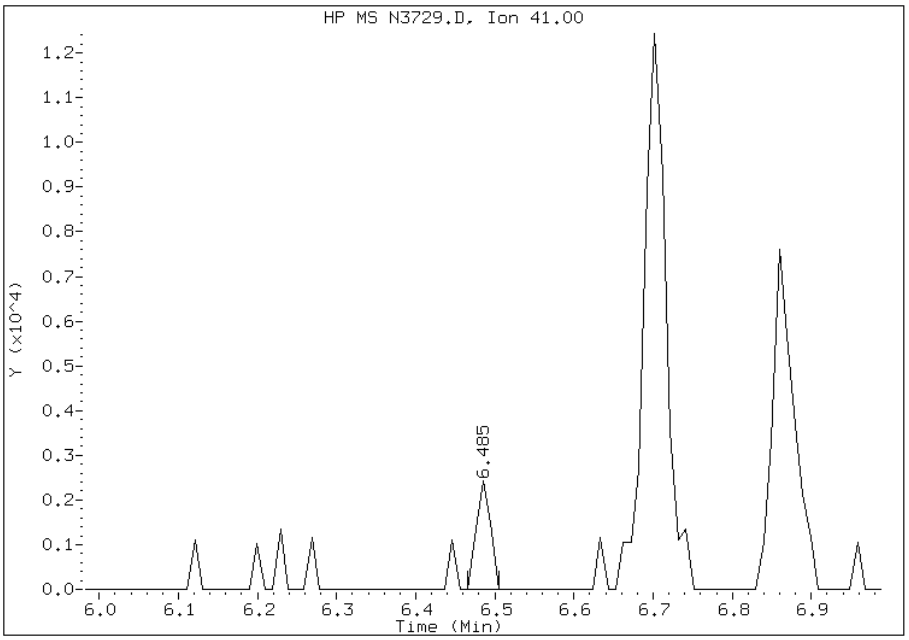
Processing Integration Results

RT: 6.49

Response: 3094

Amount: 1

Conc: 1



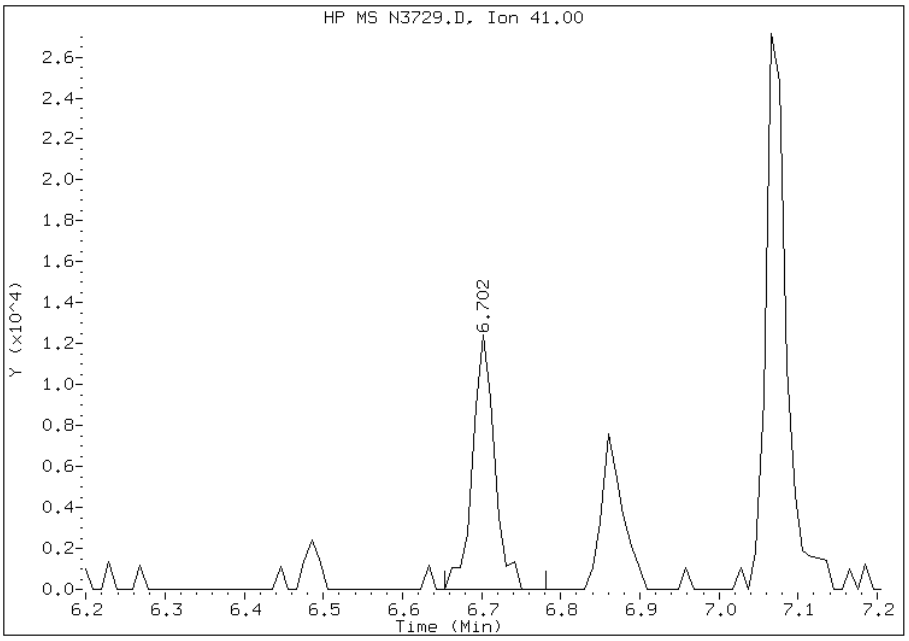
Manual Integration Results

RT: 6.70

Response: 24538

Amount: 9

Conc: 9



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/14/2011

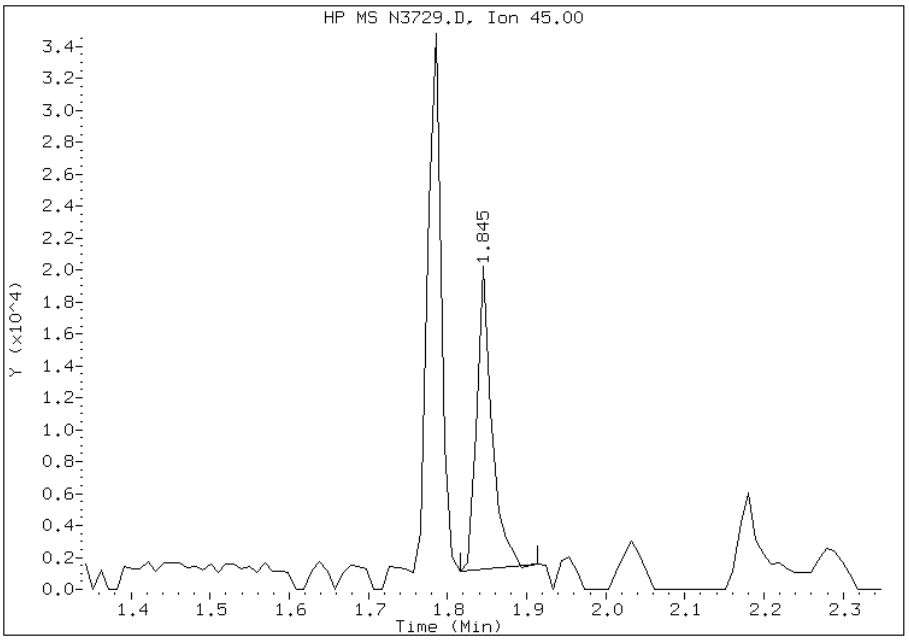
Processing Integration Results

RT: 1.85

Response: 25762

Amount: 49

Conc: 49



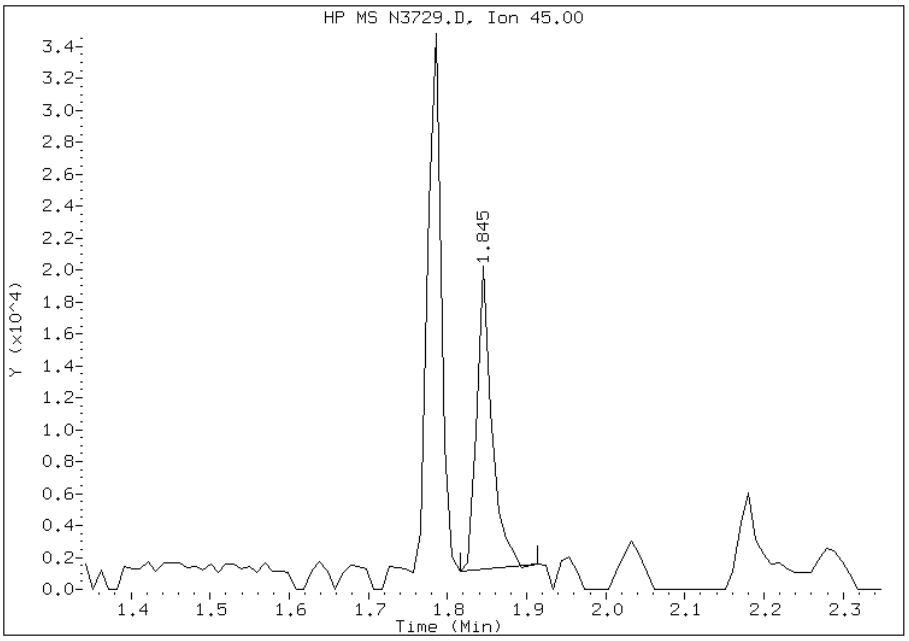
Manual Integration Results

RT: 1.85

Response: 25762

Amount: 49

Conc: 49



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

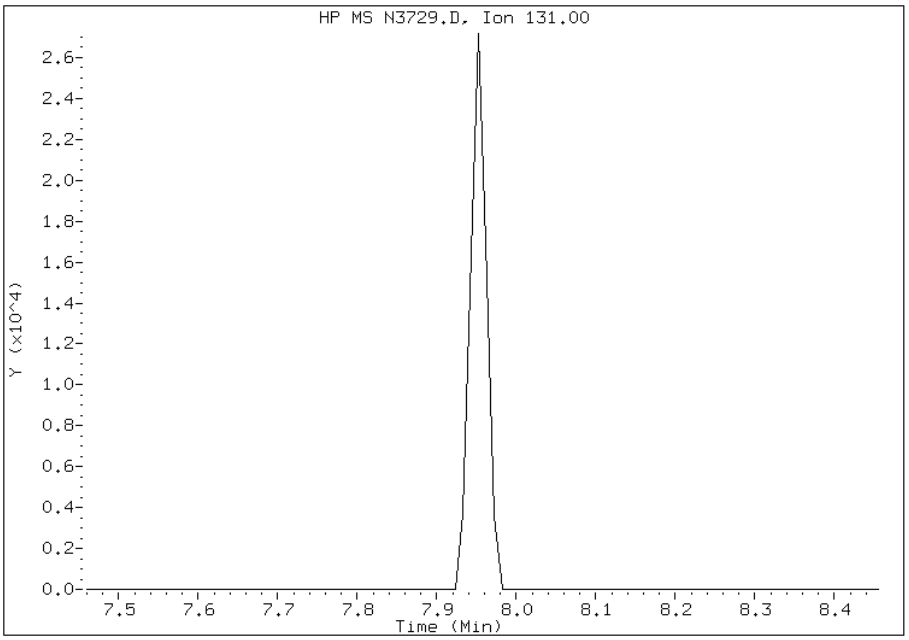
Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 89 1,1,1,2-Tetrachloroethane
CAS #: 630-20-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 7.96



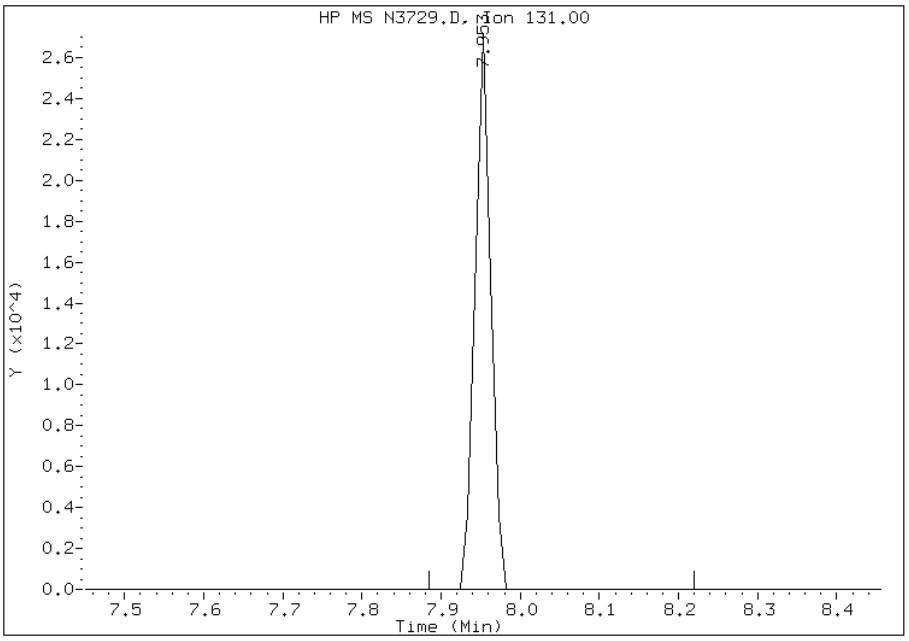
Manual Integration Results

RT: 7.95

Response: 39059

Amount: 5

Conc: 5



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/14/2011

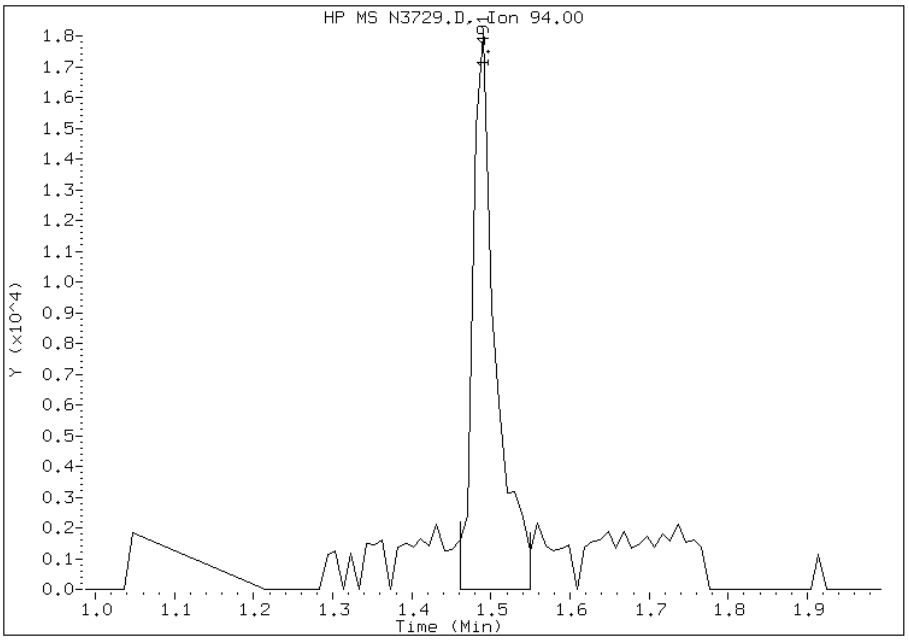
Processing Integration Results

RT: 1.49

Response: 36782

Amount: 7

Conc: 7



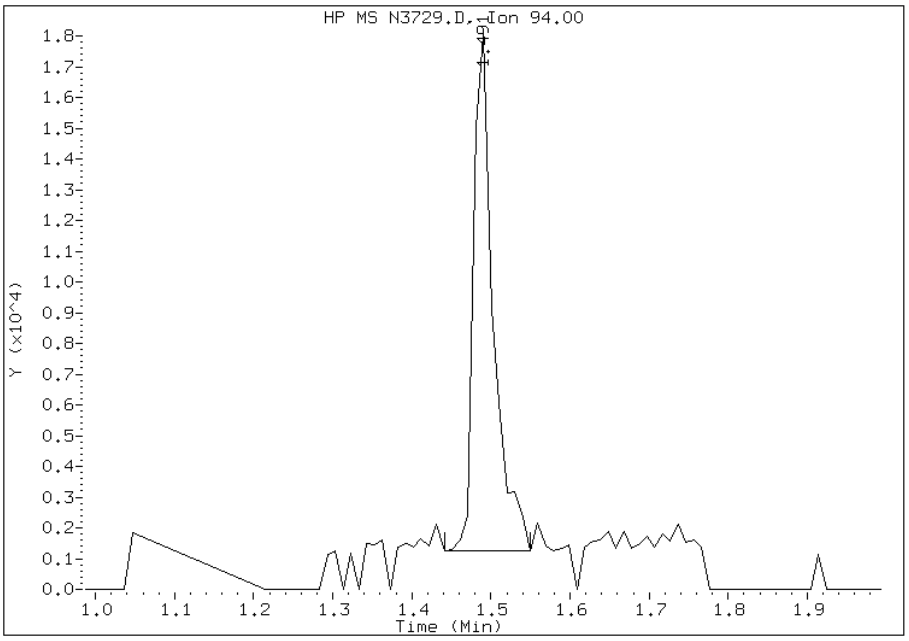
Manual Integration Results

RT: 1.49

Response: 29366

Amount: 6

Conc: 6



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.0690	0.0874		63.3	50.0	26.6	30.0
Chloromethane	Ave	0.5336	0.4481	0.1000	42.0	50.0	-16.0	30.0
Vinyl chloride	Ave	0.3705	0.3360		45.3	50.0	-9.3	20.0
Bromomethane	Ave	0.1637	0.2169		66.3	50.0	32.5*	30.0
Chloroethane	Ave	0.2104	0.2103		50.0	50.0	-0.0	30.0
Trichlorofluoromethane	Ave	0.3370	0.3426		50.8	50.0	1.7	30.0
Dichlorofluoromethane	Ave	0.5344	0.6025		56.4	50.0	12.7	30.0
Ethyl ether	Ave	0.2839	0.3095		54.5	50.0	9.0	30.0
Ethanol	Ave	0.0178	0.0213		597	500	19.5	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.0864	0.0965		55.9	50.0	11.7	30.0
1,1-Dichloroethene	Ave	0.2771	0.2852		51.5	50.0	2.9	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3335	0.3519		52.8	50.0	5.5	30.0
Carbon disulfide	Ave	1.162	1.085		46.7	50.0	-6.7	30.0
Iodomethane	Ave	0.3645	0.3326		45.6	50.0	-8.8	30.0
Isopropyl alcohol	Ave	0.0357	0.0427		60.0	50.1	19.7	30.0
Acrolein	Ave	0.0737	0.0360		122	250	-51.1*	30.0
3-Chloro-1-propene	Ave	0.6948	0.7379		53.1	50.0	6.2	30.0
Methylene Chloride	Ave	0.4752	0.4483		47.2	50.0	-5.7	30.0
Acetone	Ave	0.2567	0.3209		62.5	50.0	25.0	30.0
Methyl acetate	Qua	2.490	2.666		62.0	50.0	23.9	30.0
trans-1,2-Dichloroethene	Ave	0.3260	0.3556		54.5	50.0	9.1	30.0
Methyl tert-butyl ether	Ave	0.9544	0.9800		51.3	50.0	2.7	30.0
tert-Butyl alcohol	Ave	0.0626	0.0619		247	250	-1.1	30.0
Acetonitrile	Ave	0.0581	0.0589		506	499	1.4	30.0
Isopropyl ether	Ave	1.621	1.732		53.4	50.0	6.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3135	0.3084		49.2	50.0	-1.7	30.0
1,1-Dichloroethane	Ave	0.6601	0.6854	0.1000	51.9	50.0	3.8	30.0
Acrylonitrile	Ave	0.2094	0.2244		107	100	7.1	30.0
Tert-butyl ethyl ether	Ave	1.217	1.250		51.4	50.0	2.7	30.0
Vinyl acetate	Ave	1.075	0.7412		34.5	50.0	-31.0*	30.0
cis-1,2-Dichloroethene	Ave	0.3798	0.3973		52.3	50.0	4.6	30.0
2,2-Dichloropropane	Ave	0.4228	0.4315		51.0	50.0	2.1	30.0
Bromochloromethane	Ave	0.1961	0.1959		50.0	50.0	-0.1	30.0
Cyclohexane	Ave	0.5243	0.5486		52.3	50.0	4.6	30.0
Chloroform	Ave	0.5409	0.5671		52.4	50.0	4.8	20.0
Ethyl acetate	Lin	0.0454	0.0309		84.9	100	-15.1	30.0
Methyl acrylate	Ave	0.4428	0.4740		53.5	50.0	7.0	30.0
Carbon tetrachloride	Ave	0.3326	0.3437		51.7	50.0	3.3	30.0
Tetrahydrofuran	Ave	0.1897	0.2080		110	100	9.6	30.0
1,1,1-Trichloroethane	Ave	0.4060	0.4262		52.5	50.0	5.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Butanone (MEK)	Ave	0.3356	0.4017		59.8	50.0	19.7	30.0
1,1-Dichloropropene	Ave	0.4658	0.4863		52.2	50.0	4.4	30.0
1-Chlorobutane	Ave	0.7698	0.7908		51.4	50.0	2.7	30.0
Benzene	Ave	1.342	1.360		50.7	50.0	1.4	30.0
Propionitrile	Ave	0.0705	0.0750		532	500	6.5	30.0
Methacrylonitrile	Ave	0.3282	0.3681		56.1	50.0	12.2	30.0
Tert-amyl methyl ether	Ave	0.9846	0.999		50.7	50.0	1.5	30.0
1,2-Dichloroethane	Ave	0.3936	0.4079		51.8	50.0	3.6	30.0
Isobutyl alcohol	Ave	0.0177	0.0174		493	499	-1.3	30.0
Methylcyclohexane	Ave	0.5995	0.6078		50.7	50.0	1.4	30.0
Trichloroethene	Ave	0.3467	0.3410		49.2	50.0	-1.6	30.0
Dibromomethane	Ave	0.2299	0.2425		52.7	50.0	5.5	30.0
1,2-Dichloropropane	Ave	0.4134	0.4230		51.2	50.0	2.3	20.0
Bromodichloromethane	Ave	0.3811	0.3999		52.5	50.0	4.9	30.0
Methyl methacrylate	Ave	0.3117	0.3314		53.2	50.0	6.3	30.0
1,4-Dioxane	Ave	0.0033	0.0037		559	499	12.1	30.0
2-Chloroethyl vinyl ether	Ave	0.2060	0.2035		49.3	49.9	-1.2	30.0
cis-1,3-Dichloropropene	Ave	0.5438	0.5562		51.1	50.0	2.3	30.0
Toluene	Ave	1.654	1.610		48.7	50.0	-2.6	20.0
Chloroacetonitrile	Ave	0.0189	0.0203		537	500	7.4	30.0
2-Nitropropane	Ave	0.0955	0.1000		105	100	4.7	30.0
1,1-Dichloro-2-propanone	Ave	0.3535	0.3699		262	250	4.7	30.0
methyl isobutyl ketone	Ave	0.6700	0.6935		51.8	50.0	3.5	30.0
Tetrachloroethene	Ave	0.2900	0.2794		48.2	50.0	-3.6	30.0
trans-1,3-Dichloropropene	Ave	0.4693	0.4813		51.3	50.0	2.6	30.0
1,1,2-Trichloroethane	Ave	0.3015	0.3260		54.1	50.0	8.1	30.0
Ethyl methacrylate	Ave	0.5523	0.5467		49.5	50.0	-1.0	30.0
Dibromochloromethane	Ave	0.3975	0.3920		49.3	50.0	-1.4	30.0
1,3-Dichloropropane	Ave	0.6679	0.6814		51.0	50.0	2.0	30.0
1,2-Dibromoethane	Ave	0.4349	0.4344		49.9	50.0	-0.1	30.0
2-Hexanone	Ave	0.5193	0.5503		53.0	50.0	6.0	30.0
Chlorobenzene	Ave	1.118	1.092	0.3000	48.9	50.0	-2.3	30.0
1-Chlorohexane	Ave	0.6220	0.6193		49.8	50.0	-0.4	30.0
Ethylbenzene	Ave	0.5708	0.5589		49.0	50.0	-2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3500	0.3322		47.5	50.0	-5.1	30.0
m&p-Xylene	Ave	0.7154	0.7048		98.5	100	-1.5	30.0
o-Xylene	Ave	0.6821	0.6722		49.3	50.0	-1.4	30.0
Styrene	Ave	1.137	1.106		48.6	50.0	-2.8	30.0
Bromoform	Ave	0.2202	0.2275	0.1000	51.7	50.0	3.3	30.0
Isopropylbenzene	Ave	4.080	3.885		47.6	50.0	-4.8	30.0
Bromobenzene	Ave	0.9818	0.9283		47.3	50.0	-5.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	5.095	4.981		48.9	50.0	-2.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.290	1.279	0.3000	49.6	50.0	-0.8	30.0
4-Ethyltoluene	Ave	4.239	4.047		47.7	50.0	-4.6	30.0
2-Chlorotoluene	Ave	3.291	3.217		48.9	50.0	-2.3	30.0
1,2,3-Trichloropropane	Ave	0.3599	0.3571		49.6	50.0	-0.8	30.0
1,3,5-Trimethylbenzene	Ave	3.346	3.249		48.5	50.0	-2.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3431	0.3394		98.9	100	-1.1	30.0
4-Chlorotoluene	Ave	2.935	2.858		48.7	50.0	-2.6	30.0
tert-Butylbenzene	Ave	2.933	2.789		47.5	50.0	-4.9	30.0
1,2,4-Trimethylbenzene	Ave	3.353	3.270		48.7	50.0	-2.5	30.0
sec-Butylbenzene	Ave	4.669	4.512		48.3	50.0	-3.4	30.0
p-Isopropyltoluene	Ave	3.655	3.416		46.7	50.0	-6.6	30.0
1,3-Dichlorobenzene	Ave	1.753	1.607		45.8	50.0	-8.3	30.0
1,4-Dichlorobenzene	Ave	1.786	1.613		45.1	50.0	-9.7	30.0
p-Diethylbenzene	Ave	1.793	1.698		47.3	50.0	-5.3	30.0
Benzyl chloride	Ave	0.3844	0.3367		43.8	50.0	-12.4	30.0
n-Butylbenzene	Ave	5.460	4.974		45.6	50.0	-8.9	30.0
1,2-Dichlorobenzene	Ave	1.623	1.527		47.0	50.0	-5.9	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.890	2.702		46.7	50.0	-6.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1590	0.1624		51.1	50.0	2.2	30.0
Nitrobenzene	Ave	0.0542	0.0339		313	500	-37.5*	30.0
Hexachlorobutadiene	Ave	0.5177	0.4585		44.3	50.0	-11.4	30.0
1,2,4-Trichlorobenzene	Ave	1.003	0.9511		47.4	50.0	-5.1	30.0
Naphthalene	Ave	2.861	2.492		43.5	50.0	-12.9	30.0
1,2,3-Trichlorobenzene	Ave	0.9034	0.8591		47.6	50.0	-4.9	30.0
Dibromofluoromethane	Ave	0.3707	0.3296		22.2	25.0	-11.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3266	0.2905		22.2	25.0	-11.1	30.0
Toluene-d8 (Surr)	Ave	1.439	1.292		22.4	25.0	-10.2	30.0
4-Bromofluorobenzene	Ave	1.245	1.224		24.6	25.0	-1.7	30.0

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N3997.D
Lab Smp Id: CCVIS-632363 Client Smp ID: CCVIS-632363
Inj Date : 27-JUL-2011 09:47 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : CCVIS-632363
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 58 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.785	4.785	(1.000)	623962	25.0000	
2	Dichlorodifluoromethane	85	1.199	1.199	(0.251)	109075	50.0000	63
3	Chloromethane	50	1.268	1.268	(0.265)	559138	50.0000	42
4	Vinyl Chloride	62	1.307	1.307	(0.273)	419234	50.0000	45
5	Bromomethane	94	1.485	1.485	(0.310)	270675	50.0000	66(M)
6	Chloroethane	64	1.544	1.544	(0.323)	262468	50.0000	50
7	Trichlorofluoromethane	101	1.622	1.622	(0.339)	427570	50.0000	51
8	Dichlorofluoromethane	67	1.642	1.642	(0.343)	751812	50.0000	56
9	Ethyl Ether	45	1.780	1.780	(0.372)	386276	50.0000	54
10	Ethanol	45	1.839	1.839	(0.384)	265549	500.000	600
12	Freon 123	67	1.908	1.908	(0.399)	120423	50.0000	56(M)
13	Trichlorotrifluoroethane	101	1.918	1.918	(0.401)	439183	50.0000	53
14	1,1-Dichloroethene	96	1.908	1.908	(0.399)	355917	50.0000	51
15	Carbon Disulfide	76	1.938	1.938	(0.405)	1353519	50.0000	47
16	Iodomethane	142	2.007	2.007	(0.419)	414996	50.0000	46
17	Acrolein	56	2.105	2.105	(0.440)	225064	250.000	120
18	2-Propanol	45	2.026	2.026	(0.424)	53434	50.0000	60
19	3-Chloro-1-Propene	41	2.194	2.194	(0.459)	920818	50.0000	53
20	Methylene Chloride	84	2.263	2.263	(0.473)	559382	50.0000	47
21	Acetone	43	2.283	2.283	(0.477)	400399	50.0000	62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.371	2.371	(0.496)	443700	50.0000	54
	23 Methyl Acetate	43	2.361	2.361	(0.494)	3327206	50.0000	62
	24 Methyl tert-Butyl Ether	73	2.430	2.430	(0.508)	1222986	50.0000	51
	25 tert-Butyl alcohol	59	2.480	2.480	(0.518)	386304	250.000	250(M)
	26 Acetonitrile	41	2.627	2.627	(0.549)	733450	500.000	500
	27 Isopropyl ether	45	2.706	2.706	(0.566)	2160874	50.0000	53
	28 tert-Butyl ethyl ether	59	3.021	3.021	(0.631)	1560424	50.0000	51
	29 2-Chloro-1,3-Butadiene	88	2.815	2.815	(0.588)	384798	50.0000	49
	30 Acrylonitrile	53	2.874	2.874	(0.601)	559964	100.000	110
	31 1,1-Dichloroethane	63	2.834	2.834	(0.592)	855298	50.0000	52
	32 Vinyl Acetate	43	3.031	3.031	(0.634)	924304	50.0000	34
	33 cis-1,2-Dichloroethene	96	3.317	3.317	(0.693)	495735	50.0000	52
	34 2,2-Dichloropropane	77	3.435	3.435	(0.718)	538524	50.0000	51
	35 Bromochloromethane	128	3.524	3.524	(0.736)	244517	50.0000	50
	37 Cyclohexane	84	3.544	3.544	(0.741)	684578	50.0000	52
	38 Chloroform	83	3.603	3.603	(0.753)	707714	50.0000	52
	39 Ethyl Acetate	43	3.731	3.731	(0.780)	77015	100.000	85
	40 Methyl Acrylate	55	3.741	3.741	(0.782)	591508	50.0000	54
$	41 Dibromofluoromethane	111	3.810	3.810	(0.796)	205681	25.0000	22
	42 Tetrahydrofuran	42	3.780	3.780	(0.790)	519006	100.000	110
	43 Carbon Tetrachloride	117	3.770	3.770	(0.788)	428901	50.0000	52
	44 1,1,1-Trichloroethane	97	3.839	3.839	(0.802)	531897	50.0000	52
	45 2-Butanone	43	3.947	3.947	(0.825)	501227	50.0000	60
	46 1,1-Dichloropropene	75	3.987	3.987	(0.833)	606818	50.0000	52
	47 tert-Amyl methyl ether	73	4.440	4.440	(0.928)	1246609	50.0000	51
	49 1-Chlorobutane	56	4.056	4.056	(0.848)	986815	50.0000	51
	51 Propionitrile	54	4.312	4.312	(0.901)	936378	500.000	530
	52 Benzene	78	4.292	4.292	(0.897)	1697342	50.0000	51
	53 2-Methyl-2-Propenenitrile	41	4.342	4.342	(0.907)	459391	50.0000	56
	54 Isobutyl alcohol	42	4.578	4.578	(0.957)	217413	500.000	490
$	55 1,2-Dichloroethane-d4	65	4.450	4.450	(0.930)	181230	25.0000	22
	56 1,2-Dichloroethane	62	4.529	4.529	(0.946)	509077	50.0000	52
	59 Methyl Cyclohexane	83	4.972	4.972	(1.039)	758487	50.0000	51
	60 Trichloroethene	130	4.982	4.982	(1.041)	425575	50.0000	49
	63 Dibromomethane	93	5.425	5.425	(1.134)	302650	50.0000	53
	64 1,2-Dichloropropane	63	5.534	5.534	(1.156)	527907	50.0000	51
	65 Bromodichloromethane	83	5.612	5.612	(1.173)	499100	50.0000	52
	66 Methyl Methacrylate	69	5.800	5.800	(1.212)	413550	50.0000	53
	67 1,4-Dioxane	58	5.819	5.819	(1.216)	46428	500.000	560(M)
	69 2-Chloroethylvinylether	63	6.204	6.204	(1.296)	253535	50.0000	49
	174 Ethyl acrylate	55	5.583	5.583	(1.167)	653915	50.0000	41
	70 cis-1,3-Dichloropropene	75	6.253	6.253	(1.307)	694057	50.0000	51
	71 Chloroacetonitrile	48	6.627	6.627	(1.385)	252910	500.000	540
	72 2-Nitropropane	41	6.696	6.696	(1.399)	249591	100.000	100
	73 trans-1,3-Dichloropropene	75	6.883	6.883	(1.439)	600656	50.0000	51
	74 1,1,2-Trichloroethane	97	7.031	7.031	(1.469)	406859	50.0000	54
*	75 Chlorobenzene-d5	117	7.868	7.868	(1.000)	540501	25.0000	
	76 Toluene	91	6.479	6.479	(0.823)	1740925	50.0000	49
$	77 Toluene-d8	98	6.430	6.430	(0.817)	698399	25.0000	22
	78 1,1-Dichloro-2-propanone	43	6.716	6.716	(0.854)	1999472	250.000	260
	79 4-Methyl-2-Pentanone	43	6.854	6.854	(0.871)	749655	50.0000	52
	80 Tetrachloroethene	164	6.854	6.854	(0.871)	302064	50.0000	48
	81 Ethyl Methacrylate	69	7.061	7.061	(0.897)	590966	50.0000	49
	82 Dibromochloromethane	129	7.189	7.189	(0.914)	423732	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.277	7.277	(0.925)	736537	50.0000	51
84	1,2-Dibromoethane	107	7.396	7.396	(0.940)	469547	50.0000	50
86	2-Hexanone	43	7.632	7.632	(0.970)	594898	50.0000	53
87	1-Chlorohexane	91	7.888	7.888	(1.002)	669434	50.0000	50
88	Chlorobenzene	112	7.878	7.878	(1.001)	1180395	50.0000	49
89	1,1,1,2-Tetrachloroethane	131	7.947	7.947	(1.010)	359110	50.0000	47
90	Ethylbenzene	106	7.918	7.918	(1.006)	604157	50.0000	49
91	Xylene (total)mp	106	8.056	8.056	(1.024)	1523705	100.000	98
92	Xylene (total)o	106	8.430	8.430	(1.071)	726670	50.0000	49
93	Styrene	104	8.479	8.479	(1.078)	1195309	50.0000	49
94	Bromoform	173	8.489	8.489	(1.079)	245909	50.0000	52
* 95	1,4-Dichlorobenzene-d4	152	9.927	9.927	(1.000)	221190	25.0000	
96	Isopropylbenzene	105	8.716	8.716	(0.878)	1718480	50.0000	48
97	Bromobenzene	156	9.031	9.031	(0.910)	410644	50.0000	47
98	1,1,2,2-Tetrachloroethane	83	9.139	9.139	(0.921)	565905	50.0000	50
99	4-Ethyltoluene	105	9.179	9.179	(0.925)	1790128	50.0000	48
100	1,2,3-Trichloropropane	110	9.248	9.248	(0.932)	157976	50.0000	50
101	trans-1,4-Dichloro-2-Butene	53	9.287	9.287	(0.936)	300295	100.000	99
102	n-Propylbenzene	91	9.080	9.080	(0.915)	2203607	50.0000	49
103	2-Chlorotoluene	91	9.198	9.198	(0.927)	1423265	50.0000	49
104	4-Chlorotoluene	91	9.346	9.346	(0.941)	1264313	50.0000	49
105	1,3,5-Trimethylbenzene	105	9.258	9.258	(0.933)	1437393	50.0000	48
106	tert-Butylbenzene	119	9.524	9.524	(0.959)	1233900	50.0000	48
107	1,2,4-Trimethylbenzene	105	9.583	9.583	(0.965)	1446365	50.0000	49
108	sec-Butylbenzene	105	9.681	9.681	(0.975)	1995807	50.0000	48
109	4-Isopropyltoluene	119	9.809	9.809	(0.988)	1511068	50.0000	47
110	1,3-Dichlorobenzene	146	9.858	9.858	(0.993)	710751	50.0000	46
111	1,4-Dichlorobenzene	146	9.937	9.937	(1.001)	713398	50.0000	45
112	1,2-Dichlorobenzene	146	10.302	10.302	(1.038)	675454	50.0000	47
113	Benzyl Chloride	126	10.154	10.154	(1.023)	148956	50.0000	44
114	1,4-Diethylbenzene	119	10.124	10.124	(1.020)	750987	50.0000	47
115	n-Butylbenzene	91	10.174	10.174	(1.025)	2200345	50.0000	46(M)
118	1,2,4,5-Tetramethylbenzene	119	10.834	10.834	(1.091)	1195407	50.0000	47
119	1,2-Dibromo-3-chloropropane	75	10.991	10.991	(1.107)	71861	50.0000	51
120	Nitrobenzene	77	11.484	11.484	(1.157)	150003	500.000	310
121	1,2,4-Trichlorobenzene	180	11.592	11.592	(1.168)	420740	50.0000	47
122	Hexachlorobutadiene	225	11.583	11.583	(1.167)	202821	50.0000	44
123	Naphthalene	128	11.878	11.878	(1.196)	1102374	50.0000	44
124	1,2,3-Trichlorobenzene	180	12.046	12.046	(1.213)	380050	50.0000	48
$ 125	Bromofluorobenzene	95	8.952	8.952	(0.902)	270764	25.0000	24
M 126	1,2-Dichloroethene (total)	100				939435	100.000	110
M 127	Xylene (total)	100				2250375	150.000	150

QC Flag Legend

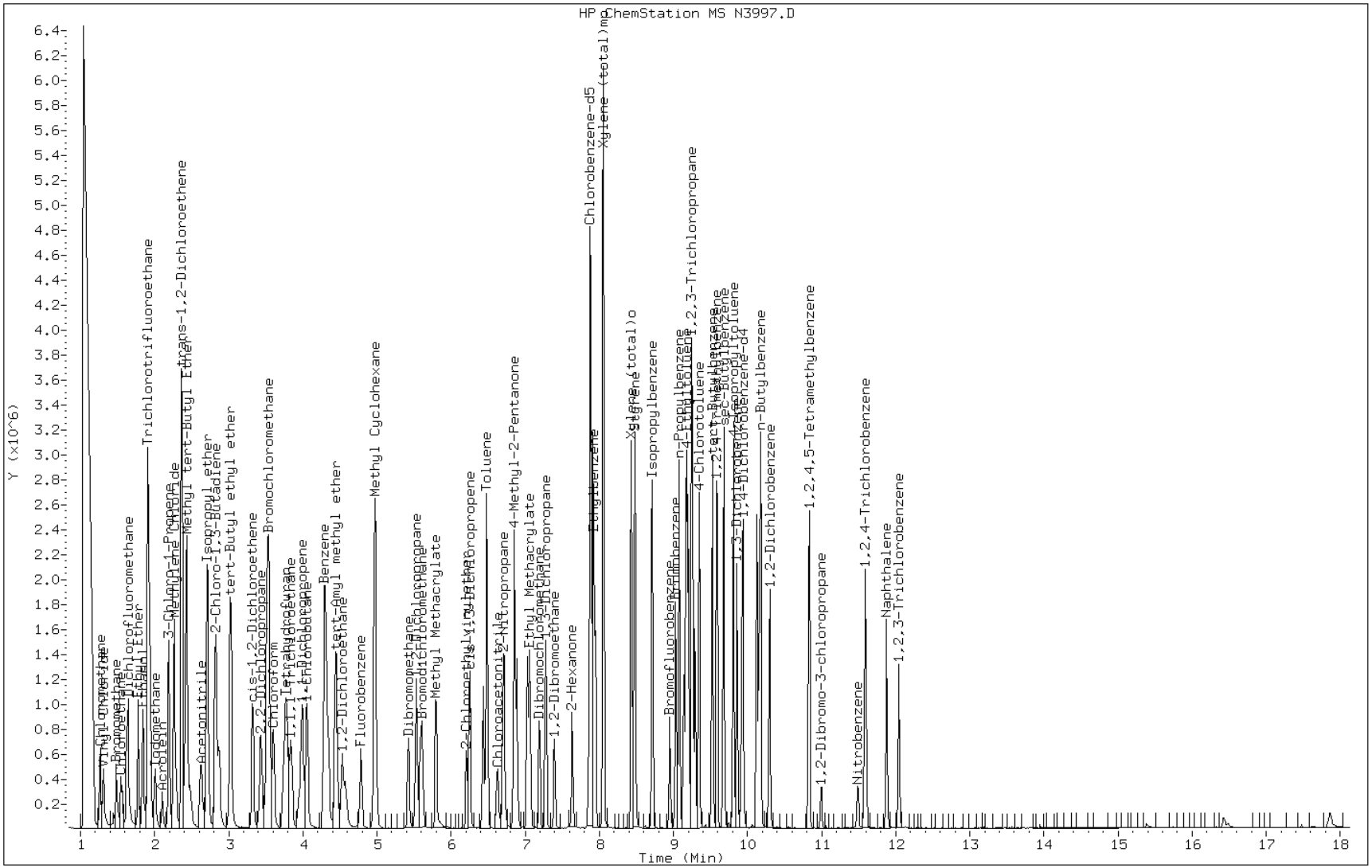
M - Compound response manually integrated.

Data File: N3997.D

Date: 27-JUL-2011 09:47

Client ID: CCVIS-632363 Instrument: msn.i

Sample Info: CCVIS-632363 Operator: D. HUMBERT



Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/29/2011

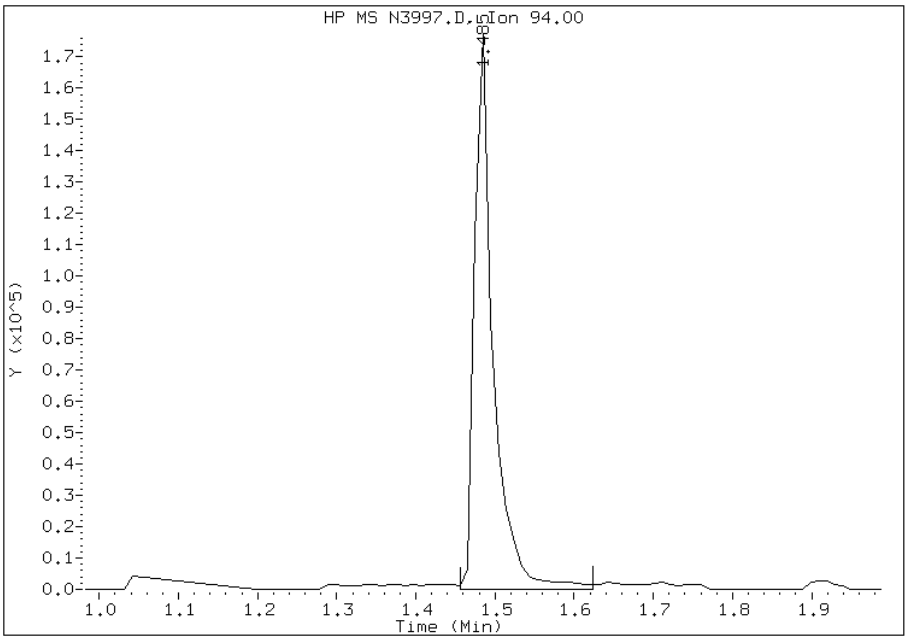
Processing Integration Results

RT: 1.49

Response: 293930

Amount: 72

Conc: 72



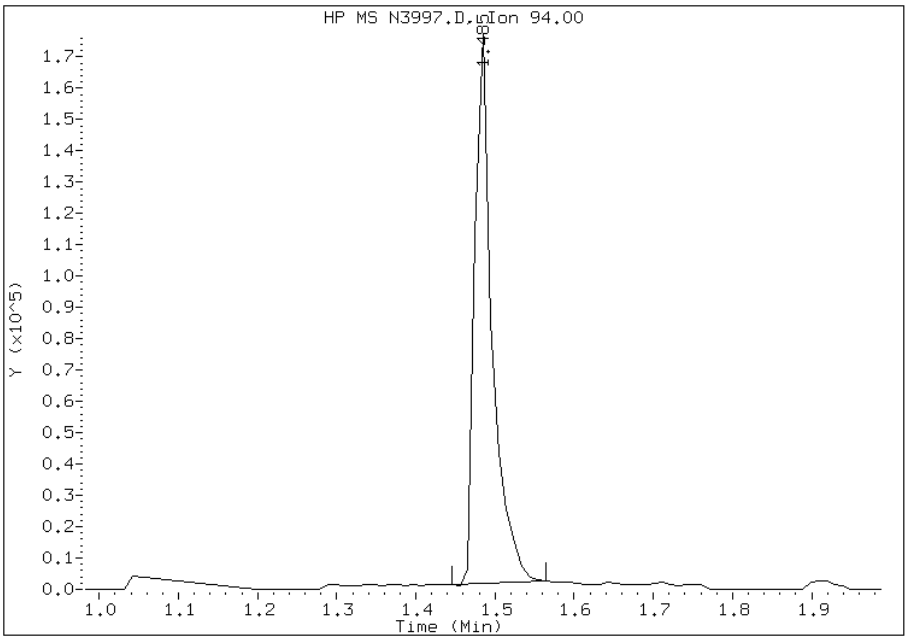
Manual Integration Results

RT: 1.49

Response: 270675

Amount: 66

Conc: 66



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 12 Freon 123
CAS #: 306-83-2
Report Date: 07/29/2011

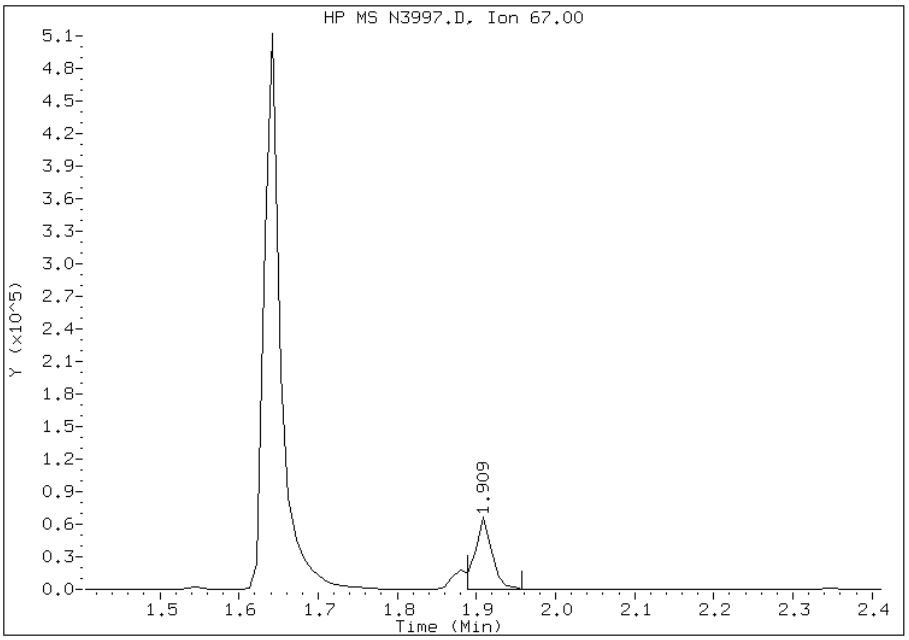
Processing Integration Results

RT: 1.91

Response: 102056

Amount: 47

Conc: 47



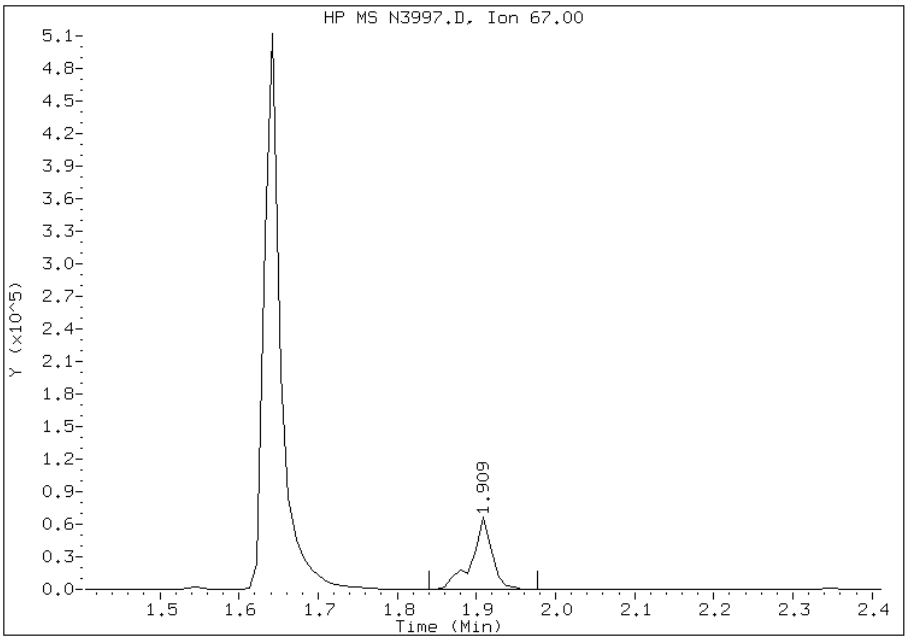
Manual Integration Results

RT: 1.91

Response: 120423

Amount: 56

Conc: 56



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/29/2011

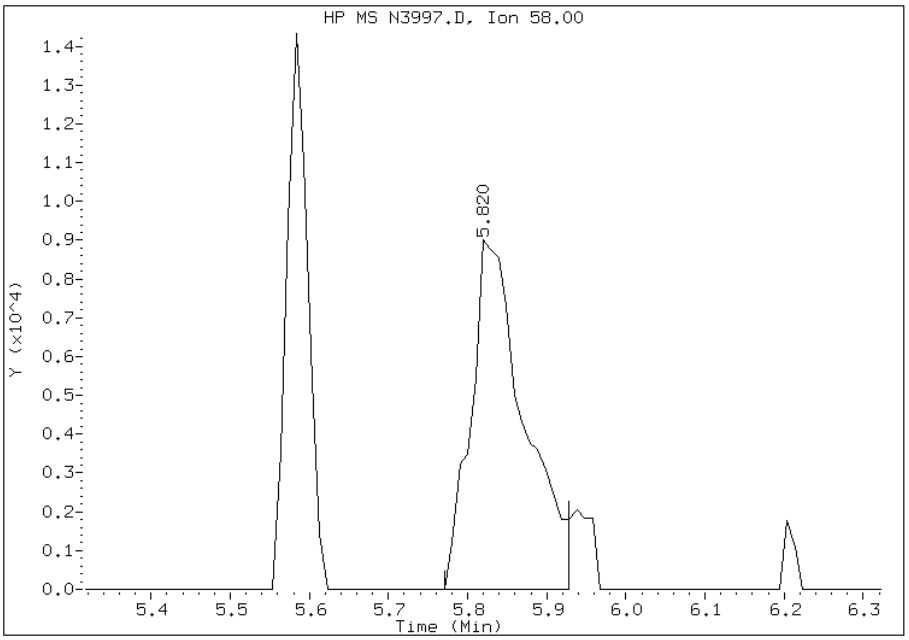
Processing Integration Results

RT: 5.82

Response: 43040

Amount: 519

Conc: 519



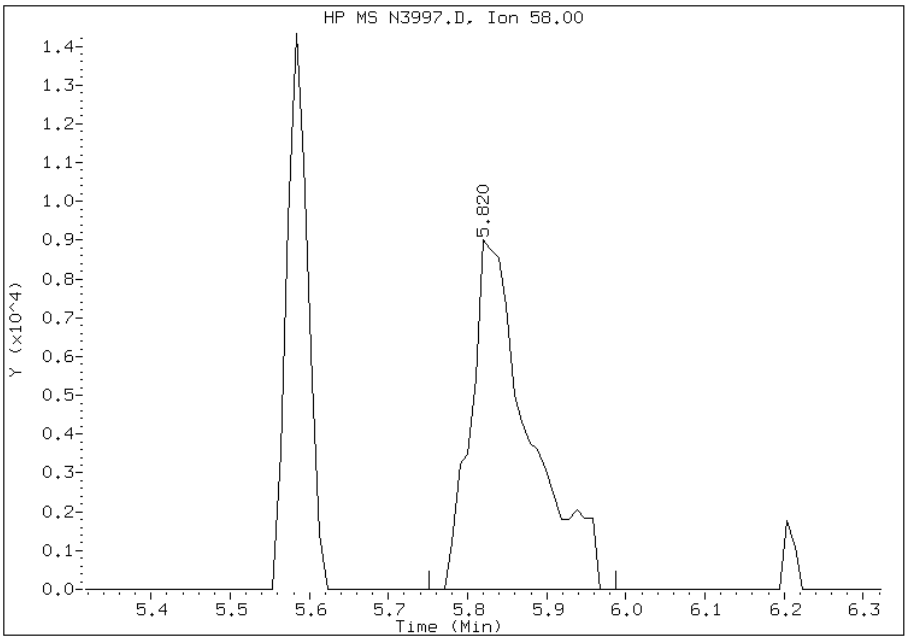
Manual Integration Results

RT: 5.82

Response: 46428

Amount: 559

Conc: 559



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/29/2011

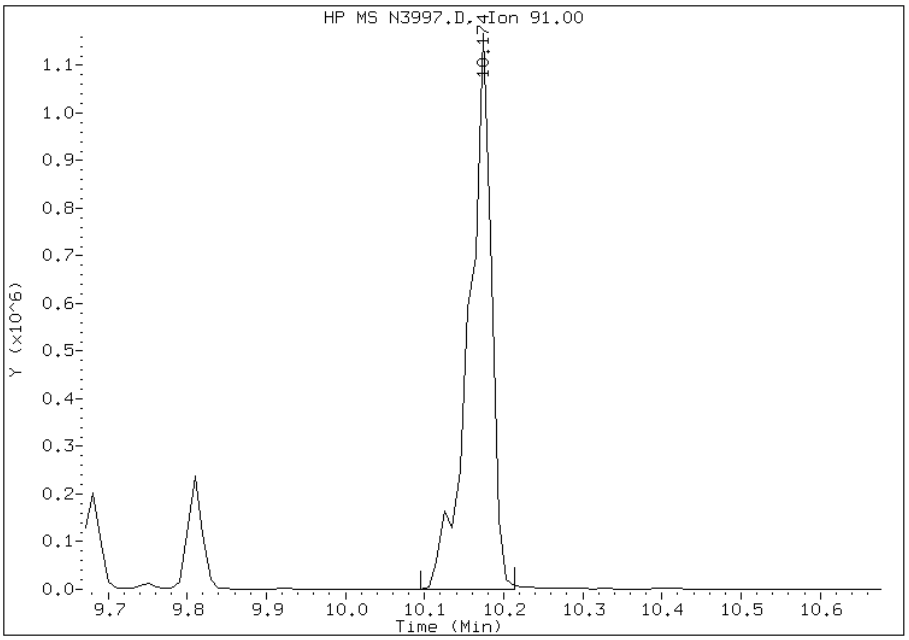
Processing Integration Results

RT: 10.17

Response: 2352794

Amount: 49

Conc: 49



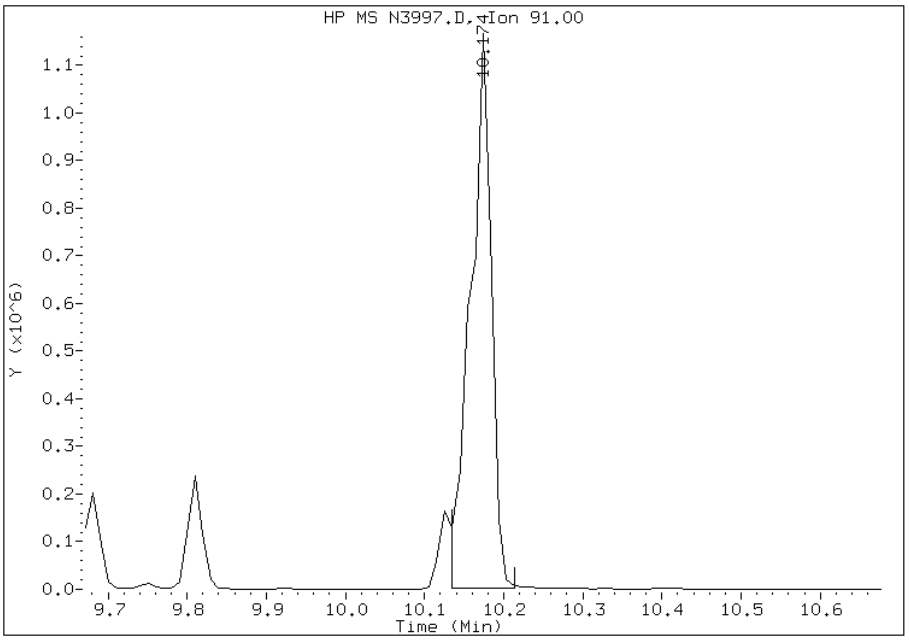
Manual Integration Results

RT: 10.17

Response: 2200345

Amount: 46

Conc: 46



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/29/2011

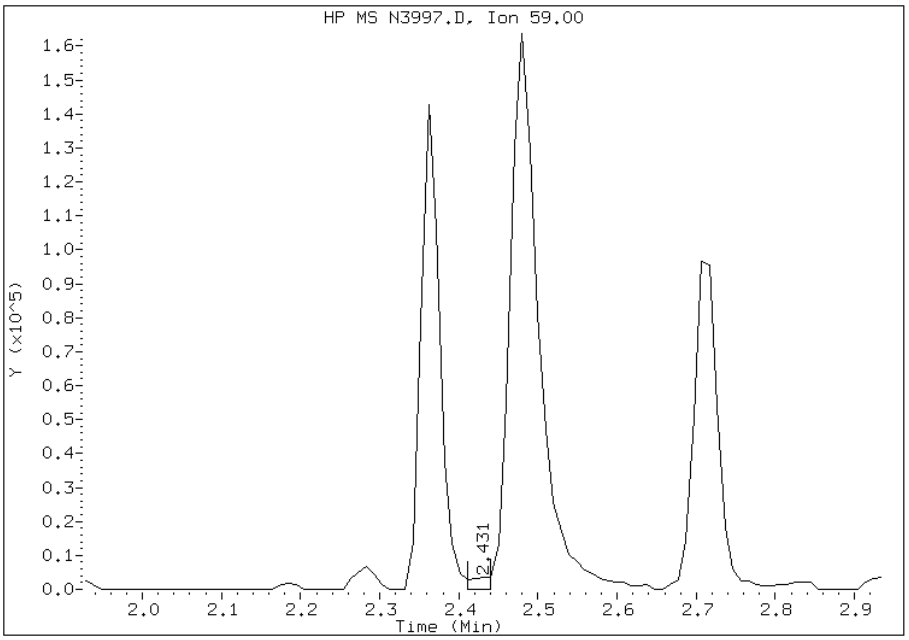
Processing Integration Results

RT: 2.43

Response: 7724

Amount: 5

Conc: 5



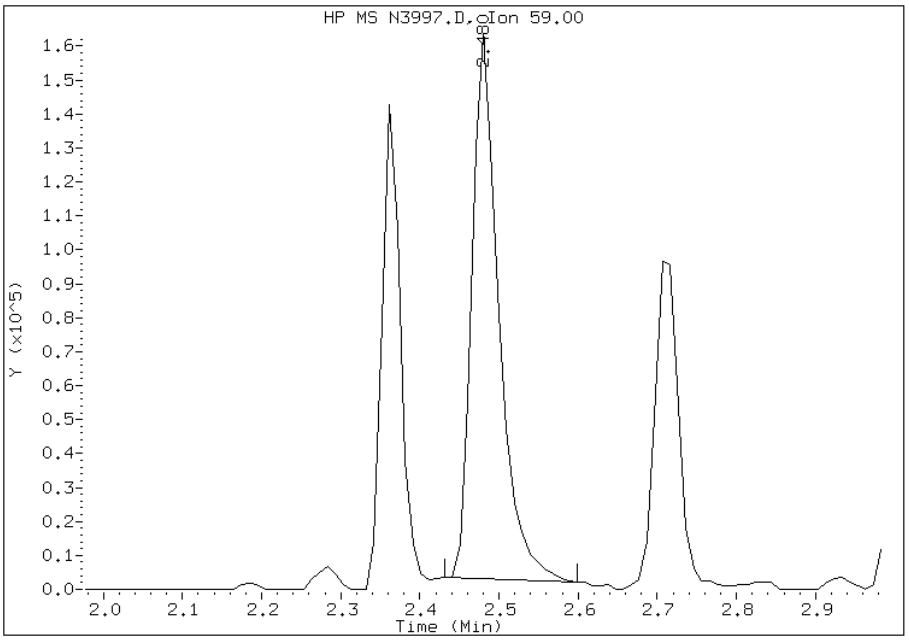
Manual Integration Results

RT: 2.48

Response: 386304

Amount: 247

Conc: 247



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Test America Inc

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NB907.D
Lab Smp Id: BFB-621712 Client Smp ID: BFB-621712
Inj Date : 13-JUL-2011 16:46 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : BFB-621712
Misc Info : : ;;; BFB ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NBFB8260.m
Meth Date : 16-May-2007 12:04 pattym Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

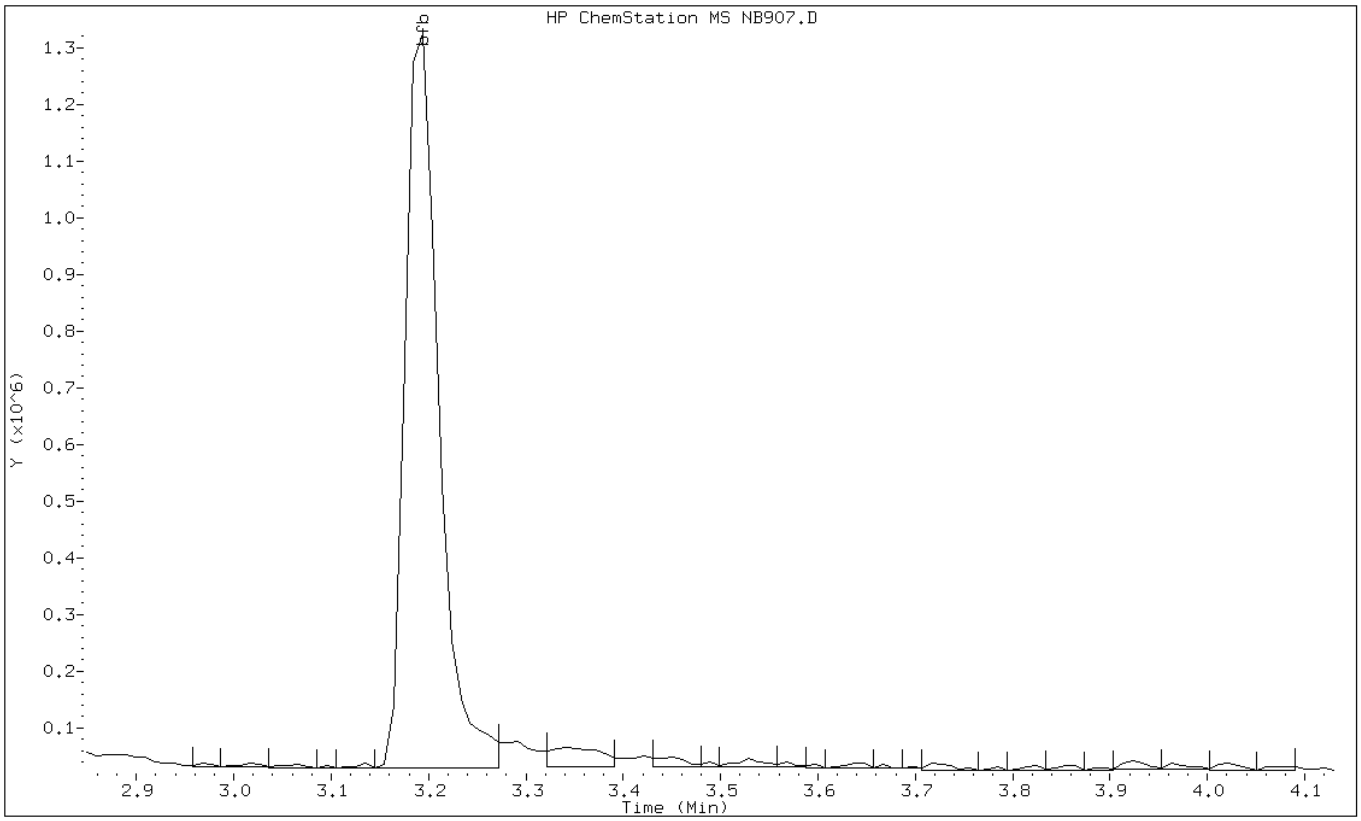
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.193	3.420	(0.000)	95	262272			0.00- 100.00	100.00
3.193	3.420	(0.000)	50	49264			15.00- 40.00	18.78
3.193	3.420	(0.000)	75	101936			30.00- 60.00	38.87
3.193	3.420	(0.000)	96	18008			5.00- 9.00	6.87
3.193	3.420	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.193	3.420	(0.000)	174	200000			50.00- 100.00	76.26
3.193	3.420	(0.000)	175	14615			5.00- 9.00	7.31
3.193	3.420	(0.000)	176	193664			95.00- 101.00	96.83
3.193	3.420	(0.000)	177	12763			5.00- 9.00	6.59

Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT



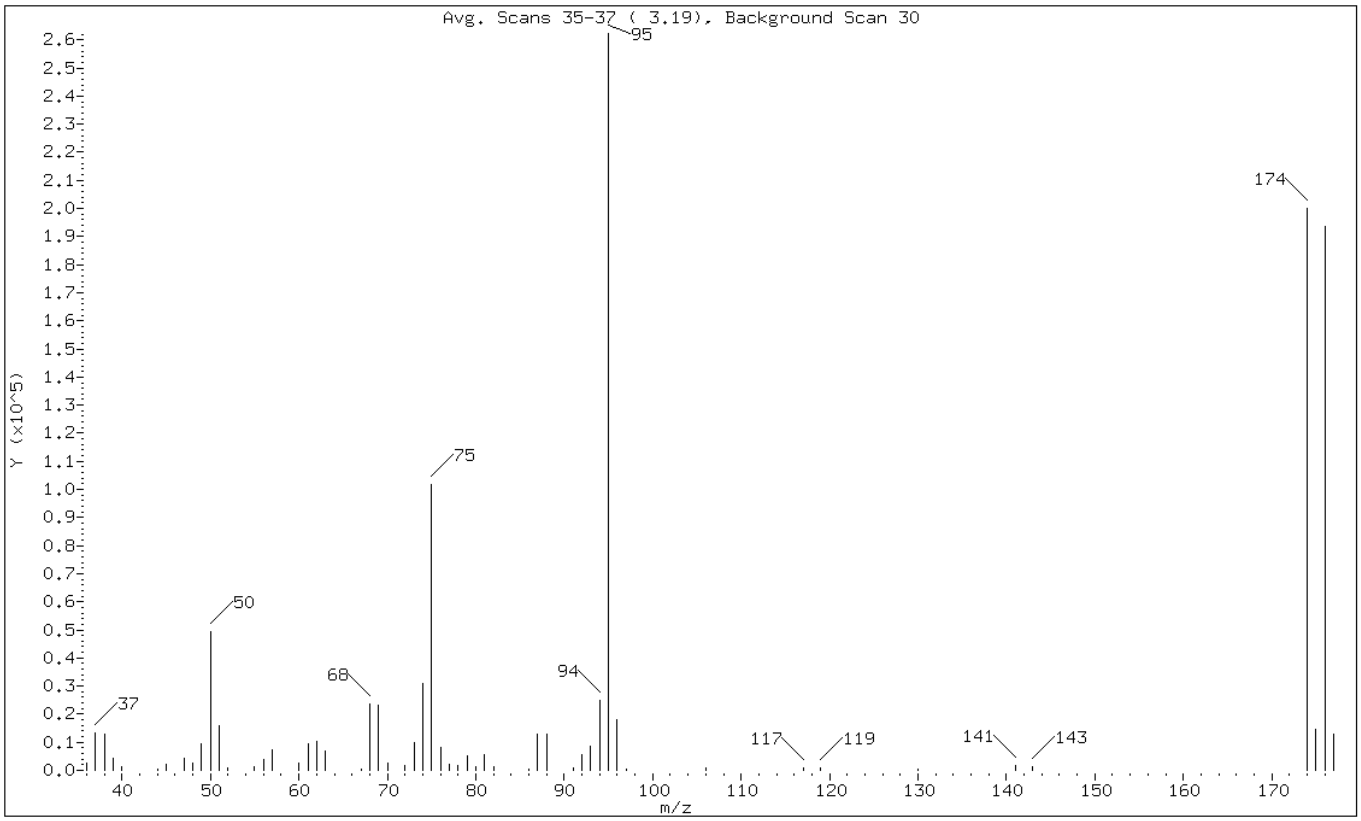
Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

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	18.78
75	30.00 - 60.00% of mass 95	38.87
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.26
175	5.00 - 9.00% of mass 174	5.57 (7.31)
176	95.00 - 101.00% of mass 174	73.84 (96.83)
177	5.00 - 9.00% of mass 176	4.87 (6.59)

Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

Data File: \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NB907.D
Spectrum: Avg. Scans 35-37 (3.19), Background Scan 30
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2485	56.00	4026	76.00	8218	95.00	262272
37.00	13313	57.00	7106	77.00	2023	96.00	18008
38.00	13023	60.00	2606	78.00	1854	97.00	344
39.00	4449	61.00	9501	79.00	5279	106.00	777
40.00	1204	62.00	10141	80.00	1464	117.00	984
44.00	325	63.00	6867	81.00	5593	119.00	773
45.00	2128	67.00	414	82.00	1391	130.00	408
47.00	4454	68.00	23400	86.00	349	141.00	1513
48.00	2779	69.00	23320	87.00	12852	143.00	1363
49.00	9580	70.00	2375	88.00	12865	174.00	200000
50.00	49264	72.00	1505	91.00	1035	175.00	14615
51.00	15896	73.00	9848	92.00	5644	176.00	193664
52.00	921	74.00	30984	93.00	8633	177.00	12763
55.00	1366	75.00	101936	94.00	24968		

Test America Inc

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NB918.D
Lab Smp Id: BFB-621712 Client Smp ID: BFB-621712
Inj Date : 27-JUL-2011 09:24 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : BFB-621712
Misc Info : : ;;; BFB ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NBFB8260.m
Meth Date : 16-May-2007 12:04 pattym Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

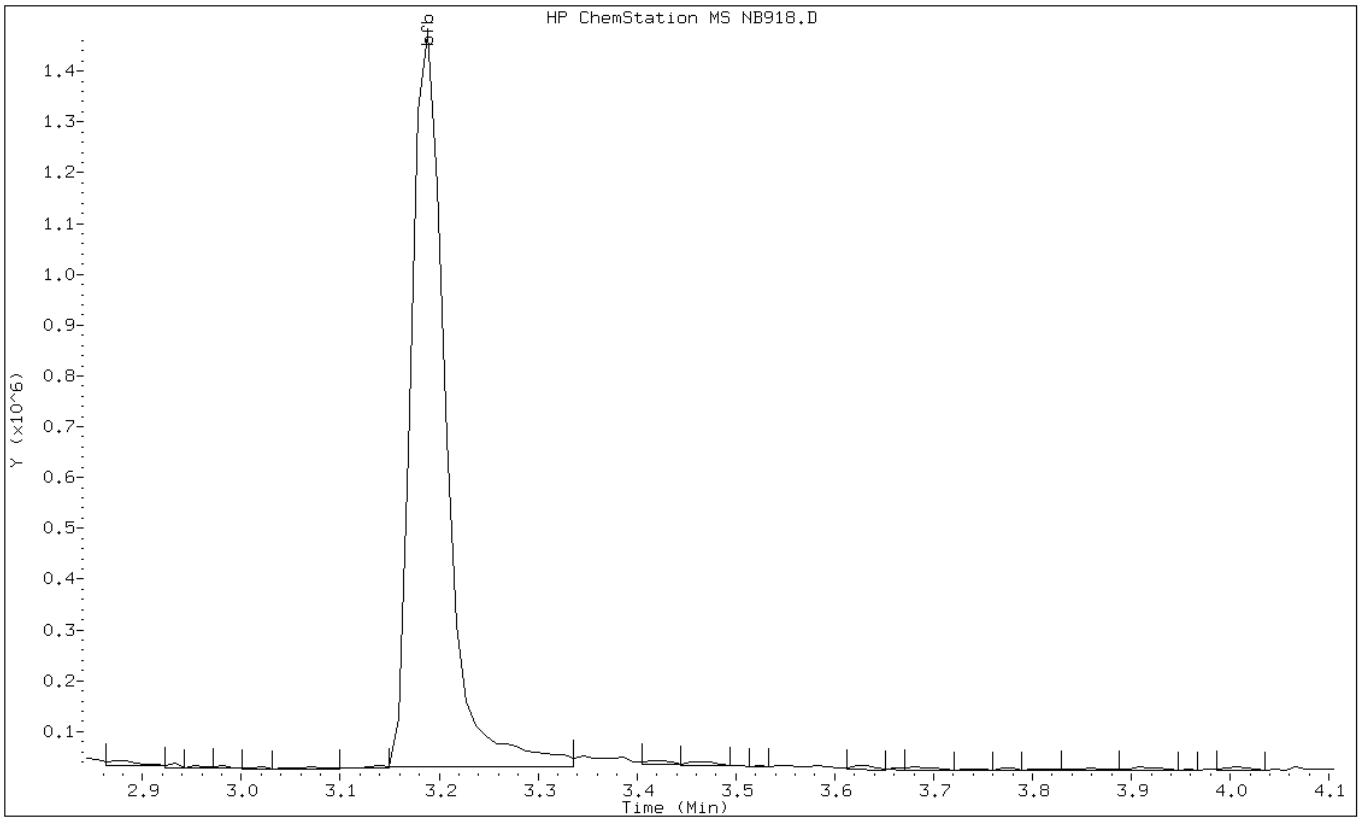
					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)		
RT	EXP RT	REL RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.188	3.420	(0.000)	95	295040			0.00- 100.00	100.00
3.188	3.420	(0.000)	50	57744			15.00- 40.00	19.57
3.188	3.420	(0.000)	75	114824			30.00- 60.00	38.92
3.188	3.420	(0.000)	96	21048			5.00- 9.00	7.13
3.188	3.420	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.188	3.420	(0.000)	174	218240			50.00- 100.00	73.97
3.188	3.420	(0.000)	175	16196			5.00- 9.00	7.42
3.188	3.420	(0.000)	176	209984			95.00- 101.00	96.22
3.188	3.420	(0.000)	177	13961			5.00- 9.00	6.65

Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT



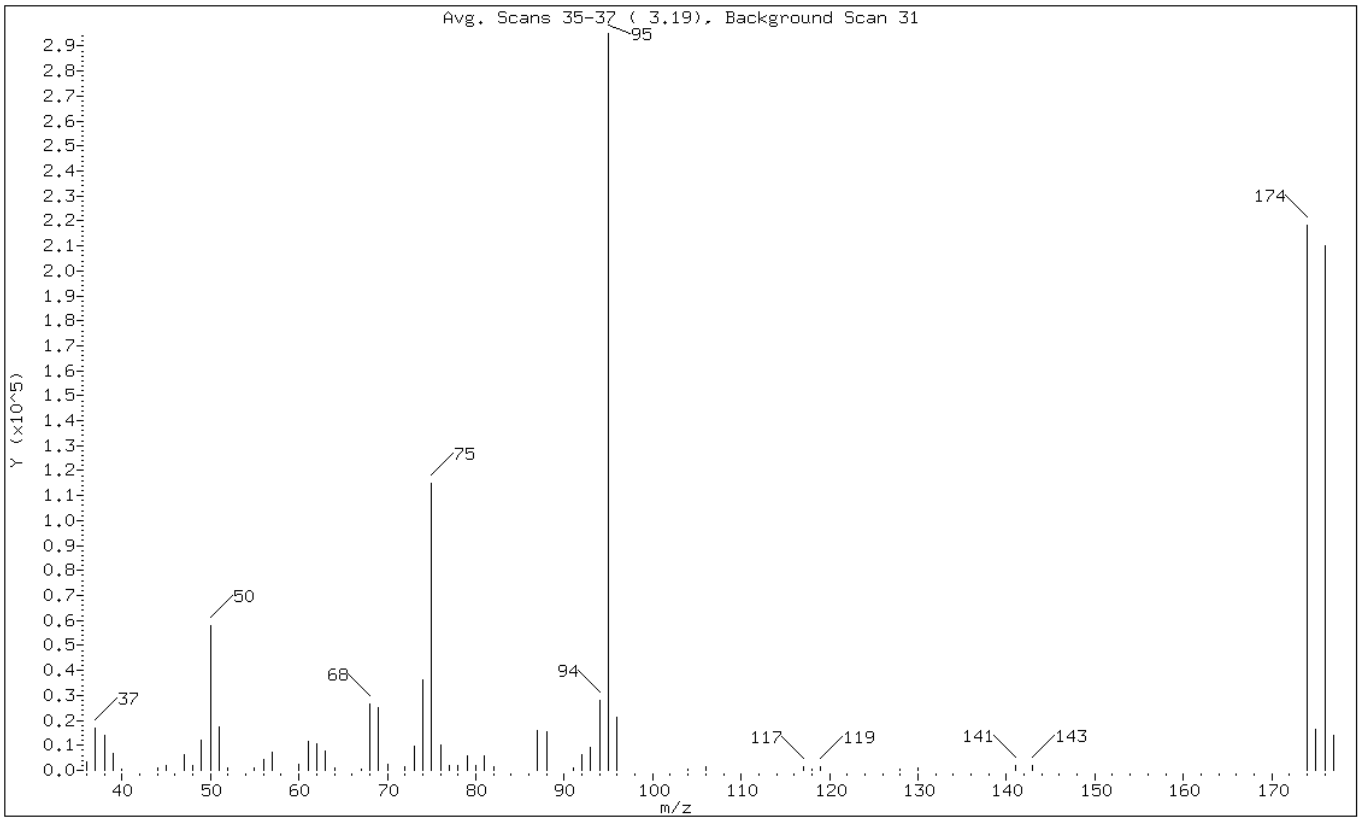
Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

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	19.57
75	30.00 - 60.00% of mass 95	38.92
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	73.97
175	5.00 - 9.00% of mass 174	5.49 (7.42)
176	95.00 - 101.00% of mass 174	71.17 (96.22)
177	5.00 - 9.00% of mass 176	4.73 (6.65)

Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

Data File: \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NB918.D
Spectrum: Avg. Scans 35-37 (3.19), Background Scan 31
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3494	57.00	7040	77.00	2024	106.00	1296
37.00	16944	60.00	2491	78.00	1855	117.00	1489
38.00	14235	61.00	11574	79.00	5885	118.00	384
39.00	6736	62.00	10766	80.00	1732	119.00	1420
40.00	588	63.00	7871	81.00	5723	128.00	386
44.00	1096	64.00	945	82.00	1430	130.00	786
45.00	2065	67.00	718	87.00	15851	141.00	1809
47.00	6054	68.00	26528	88.00	15664	143.00	1740
48.00	1999	69.00	24896	91.00	765	174.00	218240
49.00	12041	70.00	2533	92.00	6265	175.00	16196
50.00	57744	72.00	1623	93.00	9285	176.00	209984
51.00	17280	73.00	9599	94.00	28168	177.00	13961
52.00	915	74.00	36008	95.00	295040		
55.00	1058	75.00	114824	96.00	21048		
56.00	4290	76.00	10245	104.00	587		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53434/3

Matrix: Solid | Lab File ID: N4001.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 12:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
75-09-2	Methylene Chloride	5.03	J	20	1.1
67-64-1	Acetone	20	U	20	2.2
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
78-93-3	2-Butanone (MEK)	10	U	10	1.6
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
74-95-3	Dibromomethane	5.0	U	5.0	0.64
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
108-88-3	Toluene	5.0	U	5.0	0.074
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
108-90-7	Chlorobenzene	5.0	U	5.0	0.59
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.52
100-41-4	Ethylbenzene	5.0	U	5.0	0.70
100-42-5	Styrene	5.0	U	5.0	0.15
75-25-2	Bromoform	5.0	U	5.0	0.61
98-82-8	Isopropylbenzene	5.0	U	5.0	0.19
103-65-1	N-Propylbenzene	5.0	U	5.0	0.61
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-53434/3

Matrix: Solid Lab File ID: N4001.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 07/27/2011 12:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53434 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.0	U	5.0	0.29
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	0.76
135-98-8	sec-Butylbenzene	5.0	U	5.0	0.53
99-87-6	p-Isopropyltoluene	5.0	U	5.0	0.53
104-51-8	n-Butylbenzene	5.0	U	5.0	1.1
91-20-3	Naphthalene	5.0	U	5.0	0.29
1330-20-7	Xylenes, Total	5.0	U	5.0	0.49
179601-23-1	m&p-Xylene	5.0	U	5.0	0.35
95-47-6	o-Xylene	5.0	U	5.0	0.19
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		59-132
460-00-4	4-Bromofluorobenzene	97		34-124
1868-53-7	Dibromofluoromethane	83		59-123
2037-26-5	Toluene-d8 (Surr)	89		50-118

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N4001.D
Lab Smp Id: MB-621707 Client Smp ID: MB-621707
Inj Date : 27-JUL-2011 12:24 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : MB-621707
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 60
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

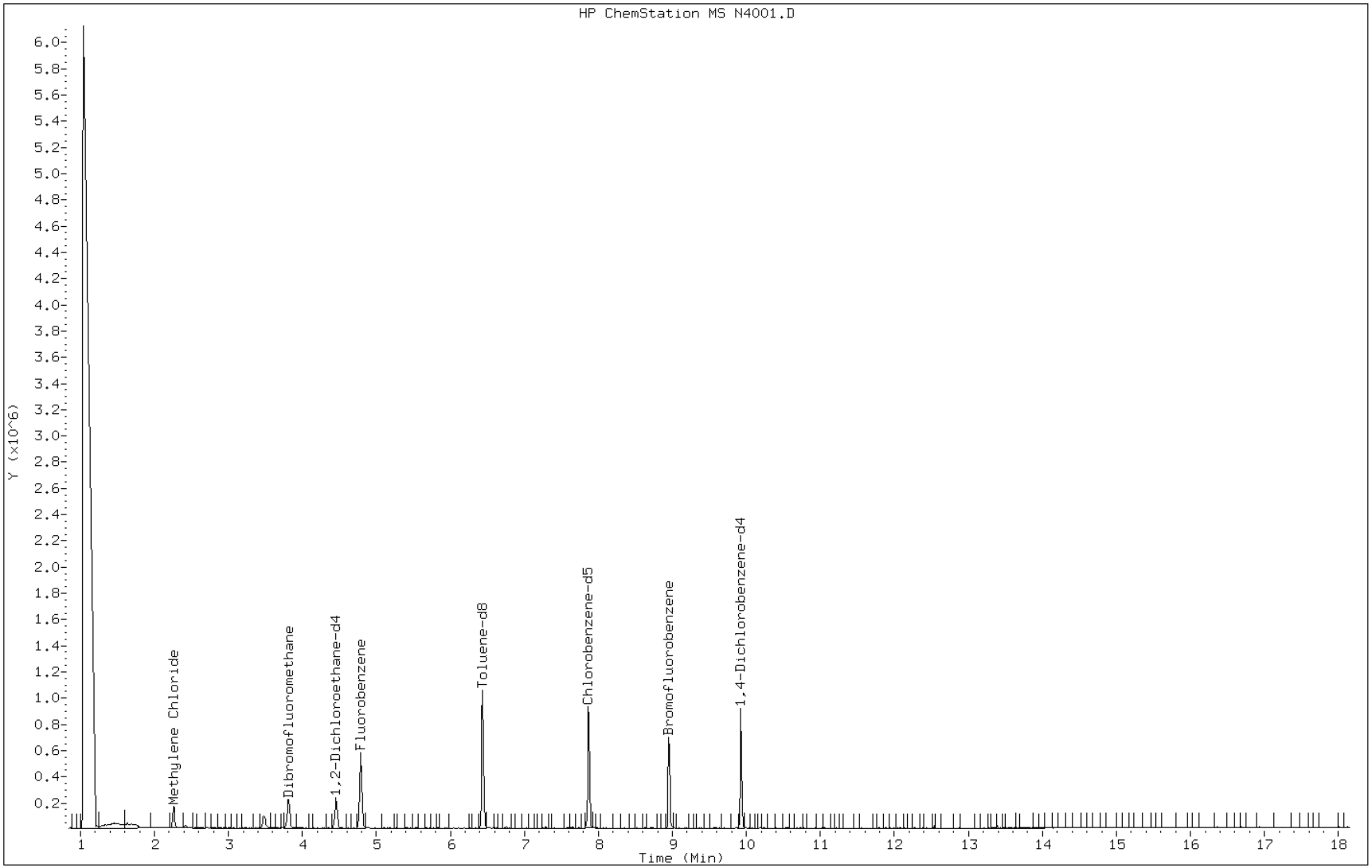
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
* 1 Fluorobenzene	96	4.791	4.785	(1.000)	622785	25.0000	
20 Methylene Chloride	84	2.269	2.263	(0.474)	59546	5.02969	5
21 Acetone	43	2.288	2.283	(0.478)	13273	2.07591	2
$ 41 Dibromofluoromethane	111	3.805	3.810	(0.794)	190702	20.6496	21
$ 55 1,2-Dichloroethane-d4	65	4.456	4.450	(0.930)	169043	20.7775	21
* 75 Chlorobenzene-d5	117	7.874	7.868	(1.000)	525122	25.0000	
$ 77 Toluene-d8	98	6.436	6.430	(0.817)	669659	22.1537	22
* 95 1,4-Dichlorobenzene-d4	152	9.923	9.927	(1.000)	210548	25.0000	
$ 125 Bromofluorobenzene	95	8.948	8.952	(0.902)	254720	24.2963	24

Data File: N4001.D

Date: 27-JUL-2011 12:24

Client ID: MB-621707 Instrument: msn.i

Sample Info: MB-621707 Operator: D. HUMBERT



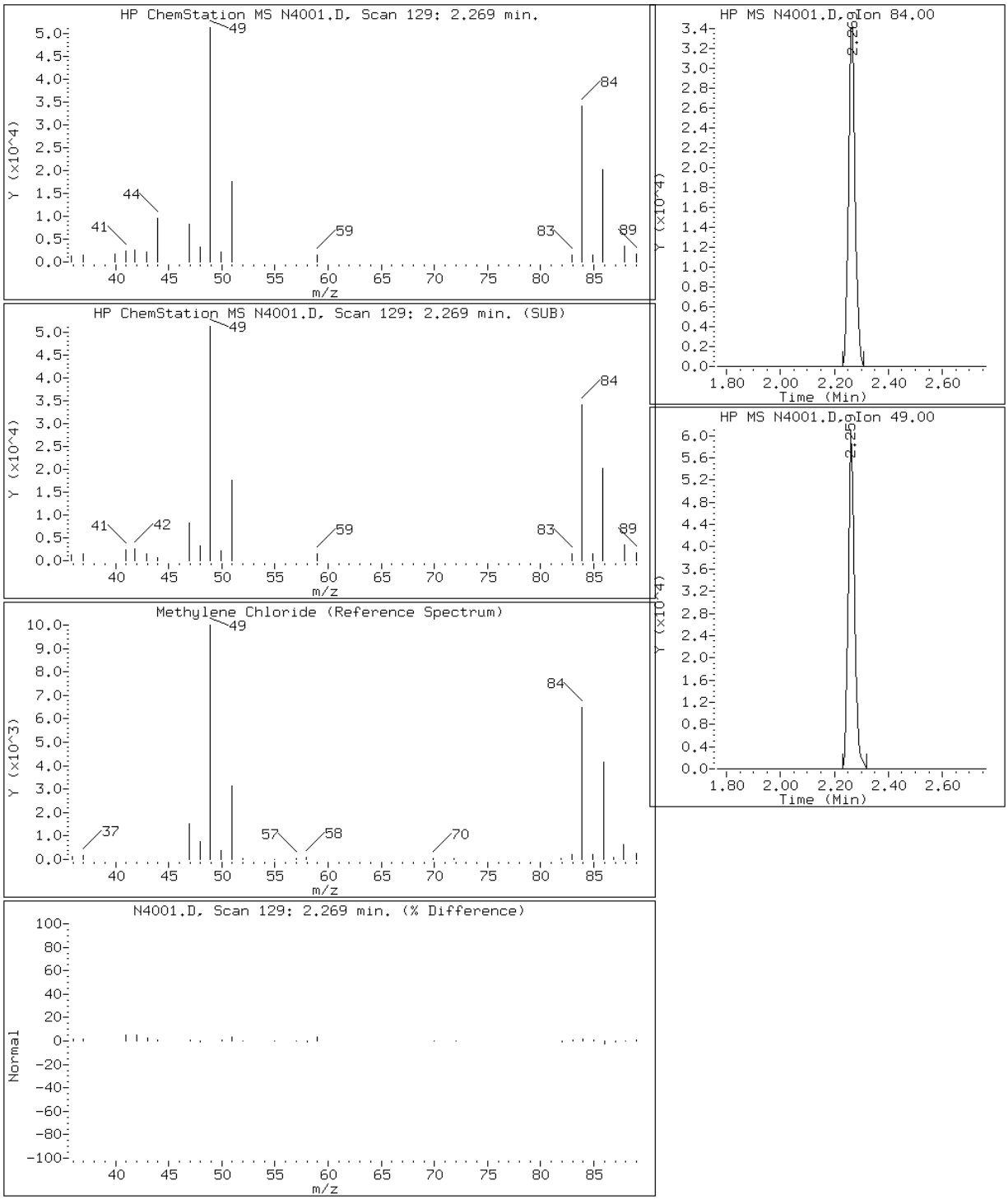
Data File: N4001.D

Date: 27-JUL-2011 12:24

Client ID: MB-621707 Instrument: msn.i

Sample Info: MB-621707 Operator: D. HUMBERT

20 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53434/2

Matrix: Solid | Lab File ID: N3998.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 10:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	16.5		5.0	0.78
75-01-4	Vinyl chloride	17.8		5.0	0.23
74-83-9	Bromomethane	27.1		5.0	2.1
75-00-3	Chloroethane	21.2		5.0	0.98
75-35-4	1,1-Dichloroethene	18.9		5.0	0.58
75-15-0	Carbon disulfide	16.6		5.0	0.41
75-09-2	Methylene Chloride	20.4		20	1.1
67-64-1	Acetone	23.7		20	2.2
156-60-5	trans-1,2-Dichloroethene	19.7		5.0	0.39
75-34-3	1,1-Dichloroethane	18.8		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	19.4		5.0	0.37
67-66-3	Chloroform	19.5		5.0	0.34
71-55-6	1,1,1-Trichloroethane	18.9		5.0	0.53
56-23-5	Carbon tetrachloride	18.0		5.0	0.95
78-93-3	2-Butanone (MEK)	22.3		10	1.6
71-43-2	Benzene	18.8		5.0	0.57
107-06-2	1,2-Dichloroethane	20.0		5.0	0.58
79-01-6	Trichloroethene	17.7		5.0	0.81
74-95-3	Dibromomethane	19.9		5.0	0.64
78-87-5	1,2-Dichloropropane	18.8		5.0	0.67
75-27-4	Bromodichloromethane	19.0		5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.6		5.0	0.56
10061-02-6	trans-1,3-Dichloropropene	18.3		5.0	0.27
79-00-5	1,1,2-Trichloroethane	20.2		5.0	0.37
108-88-3	Toluene	17.8		5.0	0.074
108-10-1	methyl isobutyl ketone	21.1		5.0	0.55
127-18-4	Tetrachloroethene	17.1		5.0	0.81
591-78-6	2-Hexanone	20.9		10	1.2
108-90-7	Chlorobenzene	18.0		5.0	0.59
630-20-6	1,1,1,2-Tetrachloroethane	17.5		5.0	0.52
100-41-4	Ethylbenzene	17.7		5.0	0.70
100-42-5	Styrene	17.9		5.0	0.15
75-25-2	Bromoform	19.0		5.0	0.61
98-82-8	Isopropylbenzene	17.0		5.0	0.19
103-65-1	N-Propylbenzene	17.1		5.0	0.61
108-67-8	1,3,5-Trimethylbenzene	17.2		5.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53434/2

Matrix: Solid | Lab File ID: N3998.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 10:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	17.2		5.0	0.29
95-63-6	1,2,4-Trimethylbenzene	17.6		5.0	0.76
135-98-8	sec-Butylbenzene	17.1		5.0	0.53
99-87-6	p-Isopropyltoluene	16.9		5.0	0.53
104-51-8	n-Butylbenzene	16.0		5.0	1.1
91-20-3	Naphthalene	16.7		5.0	0.29
1330-20-7	Xylenes, Total	53.7		5.0	0.49
179601-23-1	m&p-Xylene	35.9		5.0	0.35
95-47-6	o-Xylene	17.8		5.0	0.19
1634-04-4	Methyl tert-butyl ether	19.8		5.0	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		59-132
460-00-4	4-Bromofluorobenzene	102		34-124
1868-53-7	Dibromofluoromethane	91		59-123
2037-26-5	Toluene-d8 (Surr)	94		50-118

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N3998.D
Lab Smp Id: LCS-637159 Client Smp ID: LCS-637159
Inj Date : 27-JUL-2011 10:45 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : LCS-637159
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 1 Fluorobenzene	96	4.781	4.785	(1.000)	604071	25.0000	
2 Dichlorodifluoromethane	85	1.215	1.199	(0.254)	8555	5.12767	5(RM)
3 Chloromethane	50	1.264	1.268	(0.265)	212483	16.4791	16
4 Vinyl Chloride	62	1.304	1.307	(0.273)	159757	17.8445	18
5 Bromomethane	94	1.481	1.485	(0.310)	107280	27.1247	27(M)
6 Chloroethane	64	1.550	1.544	(0.324)	107531	21.1535	21
7 Trichlorofluoromethane	101	1.619	1.622	(0.339)	161699	19.8595	20
8 Dichlorofluoromethane	67	1.639	1.642	(0.343)	263591	20.4149	20
9 Ethyl Ether	45	1.777	1.780	(0.372)	147695	21.5309	22
10 Ethanol	45	1.836	1.839	(0.384)	97872	227.427	230
12 Freon 123	67	1.905	1.908	(0.398)	41100	19.6901	20(M)
13 Trichlorotrifluoroethane	101	1.924	1.918	(0.403)	150707	18.7000	19
14 1,1-Dichloroethene	96	1.905	1.908	(0.398)	126269	18.8575	19
15 Carbon Disulfide	76	1.944	1.938	(0.407)	466838	16.6198	17
16 Iodomethane	142	2.003	2.007	(0.419)	149590	16.9837	17
17 Acrolein	56	2.102	2.105	(0.440)	87621	49.1955	49(R)
18 2-Propanol	45	2.023	2.026	(0.423)	22870	26.5217	26
19 3-Chloro-1-Propene	41	2.190	2.194	(0.458)	325496	19.3885	19
20 Methylene Chloride	84	2.259	2.263	(0.473)	234394	20.4120	20
21 Acetone	43	2.289	2.283	(0.479)	147150	23.7274	24
22 trans-1,2-Dichloroethene	96	2.378	2.371	(0.497)	155523	19.7455	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	23 Methyl Acetate	43	2.358	2.361	(0.493)	1292573	23.7509	24
	24 Methyl tert-Butyl Ether	73	2.437	2.430	(0.510)	457305	19.8303	20
	25 tert-Butyl alcohol	59	2.476	2.480	(0.518)	168641	111.474	110
	26 Acetonitrile	41	2.624	2.627	(0.549)	293931	209.426	210
	27 Isopropyl ether	45	2.713	2.706	(0.567)	794266	20.2828	20
	28 tert-Butyl ethyl ether	59	3.028	3.021	(0.633)	567951	19.3132	19
	29 2-Chloro-1,3-Butadiene	88	2.821	2.815	(0.590)	131479	17.3541	17
	30 Acrylonitrile	53	2.870	2.874	(0.600)	209157	41.3323	41
	31 1,1-Dichloroethane	63	2.841	2.834	(0.594)	300167	18.8200	19
	32 Vinyl Acetate	43	3.038	3.031	(0.635)	348974	13.4409	13
	33 cis-1,2-Dichloroethene	96	3.323	3.317	(0.695)	177945	19.3915	19
	34 2,2-Dichloropropane	77	3.432	3.435	(0.718)	194749	19.0633	19
	35 Bromochloromethane	128	3.530	3.524	(0.738)	90992	19.2006	19
	37 Cyclohexane	84	3.540	3.544	(0.740)	237517	18.7478	19
	38 Chloroform	83	3.599	3.603	(0.753)	254991	19.5087	20
	39 Ethyl Acetate	43	3.737	3.731	(0.782)	39916	42.8120	43
	40 Methyl Acrylate	55	3.747	3.741	(0.784)	220422	20.6000	21
$	41 Dibromofluoromethane	111	3.806	3.810	(0.796)	204072	22.7819	23
	42 Tetrahydrofuran	42	3.777	3.780	(0.790)	203006	44.2903	44
	43 Carbon Tetrachloride	117	3.767	3.770	(0.788)	144736	18.0084	18
	44 1,1,1-Trichloroethane	97	3.846	3.839	(0.804)	185779	18.9375	19
	45 2-Butanone	43	3.954	3.947	(0.827)	180725	22.2857	22
	46 1,1-Dichloropropene	75	3.993	3.987	(0.835)	210803	18.7296	19
	47 tert-Amyl methyl ether	73	4.447	4.440	(0.930)	469076	19.7163	20
	49 1-Chlorobutane	56	4.052	4.056	(0.848)	334853	18.0032	18
	51 Propionitrile	54	4.318	4.312	(0.903)	374662	220.025	220
	52 Benzene	78	4.299	4.292	(0.899)	610373	18.8285	19
	53 2-Methyl-2-Propenenitrile	41	4.348	4.342	(0.909)	170659	21.5192	22
	54 Isobutyl alcohol	42	4.575	4.578	(0.957)	87377	204.679	200
$	55 1,2-Dichloroethane-d4	65	4.456	4.450	(0.932)	173335	21.9651	22
	56 1,2-Dichloroethane	62	4.535	4.529	(0.948)	190206	19.9975	20
	59 Methyl Cyclohexane	83	4.969	4.972	(1.039)	262570	18.1263	18
	60 Trichloroethene	130	4.978	4.982	(1.041)	148522	17.7268	18
	63 Dibromomethane	93	5.422	5.425	(1.134)	110671	19.9189	20
	64 1,2-Dichloropropane	63	5.530	5.534	(1.157)	188168	18.8389	19
	65 Bromodichloromethane	83	5.609	5.612	(1.173)	175184	19.0248	19
	66 Methyl Methacrylate	69	5.796	5.800	(1.212)	151226	20.0762	20(R)
	67 1,4-Dioxane	58	5.836	5.819	(1.220)	17740	220.770	220(M)
	69 2-Chloroethylvinylether	63	6.210	6.204	(1.299)	93010	18.6869	19
	174 Ethyl acrylate	55	5.589	5.583	(1.169)	335611	21.8587	22
	70 cis-1,3-Dichloropropene	75	6.249	6.253	(1.307)	243753	18.5503	18
	71 Chloroacetonitrile	48	6.624	6.627	(1.385)	92633	203.128	200(R)
	72 2-Nitropropane	41	6.693	6.696	(1.400)	93315	40.4477	40
	73 trans-1,3-Dichloropropene	75	6.890	6.883	(1.441)	207283	18.2812	18
	74 1,1,2-Trichloroethane	97	7.037	7.031	(1.472)	147293	20.2162	20
*	75 Chlorobenzene-d5	117	7.865	7.868	(1.000)	518898	25.0000	
	76 Toluene	91	6.486	6.479	(0.825)	612525	17.8472	18
$	77 Toluene-d8	98	6.437	6.430	(0.818)	702537	23.5201	24
	78 1,1-Dichloro-2-propanone	43	6.712	6.716	(0.853)	741705	101.096	100
	79 4-Methyl-2-Pentanone	43	6.860	6.854	(0.872)	293354	21.0956	21
	80 Tetrachloroethene	164	6.850	6.854	(0.871)	102919	17.0987	17
	81 Ethyl Methacrylate	69	7.067	7.061	(0.899)	219844	19.1763	19
	82 Dibromochloromethane	129	7.195	7.189	(0.915)	145344	17.6174	18
	83 1,3-Dichloropropane	76	7.284	7.277	(0.926)	267524	19.2982	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	84 1,2-Dibromoethane	107	7.392	7.396	(0.940)	166525	18.4492	18
	86 2-Hexanone	43	7.638	7.632	(0.971)	225140	20.8896	21
	87 1-Chlorohexane	91	7.885	7.888	(1.002)	271987	21.0674	21
	88 Chlorobenzene	112	7.885	7.878	(1.002)	418468	18.0403	18
	89 1,1,1,2-Tetrachloroethane	131	7.944	7.947	(1.010)	127327	17.5258	18
	90 Ethylbenzene	106	7.924	7.918	(1.008)	210211	17.7428	18
	91 Xylene (total)mp	106	8.052	8.056	(1.024)	532850	35.8847	36
	92 Xylene (total)o	106	8.436	8.430	(1.073)	252662	17.8472	18
	93 Styrene	104	8.476	8.479	(1.078)	421946	17.8779	18
	94 Bromoform	173	8.496	8.489	(1.080)	86824	18.9988	19
*	95 1,4-Dichlorobenzene-d4	152	9.924	9.927	(1.000)	213448	25.0000	
	96 Isopropylbenzene	105	8.712	8.716	(0.878)	591908	16.9900	17
	97 Bromobenzene	156	9.037	9.031	(0.911)	145054	17.3044	17
	98 1,1,2,2-Tetrachloroethane	83	9.146	9.139	(0.922)	208984	18.9818	19
	99 4-Ethyltoluene	105	9.175	9.179	(0.925)	623058	17.2133	17
	100 1,2,3-Trichloropropane	110	9.244	9.248	(0.931)	59791	19.4564	19
	101 trans-1,4-Dichloro-2-Butene	53	9.294	9.287	(0.936)	109788	37.4732	37
	102 n-Propylbenzene	91	9.077	9.080	(0.915)	744401	17.1129	17
	103 2-Chlorotoluene	91	9.205	9.198	(0.928)	502732	17.8899	18
	104 4-Chlorotoluene	91	9.353	9.346	(0.942)	452205	18.0483	18
	105 1,3,5-Trimethylbenzene	105	9.254	9.258	(0.933)	490749	17.1767	17
	106 tert-Butylbenzene	119	9.530	9.524	(0.960)	430477	17.1876	17
	107 1,2,4-Trimethylbenzene	105	9.589	9.583	(0.966)	505209	17.6453	18
	108 sec-Butylbenzene	105	9.678	9.681	(0.975)	683509	17.1446	17
	109 4-Isopropyltoluene	119	9.816	9.809	(0.989)	528952	16.9487	17
	110 1,3-Dichlorobenzene	146	9.865	9.858	(0.994)	259031	17.3067	17
	111 1,4-Dichlorobenzene	146	9.944	9.937	(1.002)	264431	17.3422	17
	112 1,2-Dichlorobenzene	146	10.298	10.302	(1.038)	245957	17.7467	18
	113 Benzyl Chloride	126	10.160	10.154	(1.024)	49346	15.0367	15
	114 1,4-Diethylbenzene	119	10.131	10.124	(1.021)	256677	16.7693	17
	115 n-Butylbenzene	91	10.180	10.174	(1.026)	744805	15.9781	16
	118 1,2,4,5-Tetramethylbenzene	119	10.830	10.834	(1.091)	416473	16.8764	17
	119 1,2-Dibromo-3-chloropropane	75	10.998	10.991	(1.108)	25921	19.0940	19
	120 Nitrobenzene	77	11.490	11.484	(1.158)	43446	93.8107	94(R)
	121 1,2,4-Trichlorobenzene	180	11.599	11.592	(1.169)	156059	18.2298	18
	122 Hexachlorobutadiene	225	11.589	11.583	(1.168)	76143	17.2282	17
	123 Naphthalene	128	11.884	11.878	(1.198)	409097	16.7463	17
	124 1,2,3-Trichlorobenzene	180	12.042	12.046	(1.213)	142113	18.4255	18
$	125 Bromofluorobenzene	95	8.949	8.952	(0.902)	271529	25.5478	26
M	126 1,2-Dichloroethene (total)	100				333468	39.1369	39
M	127 Xylene (total)	100				785512	53.7319	54

QC Flag Legend

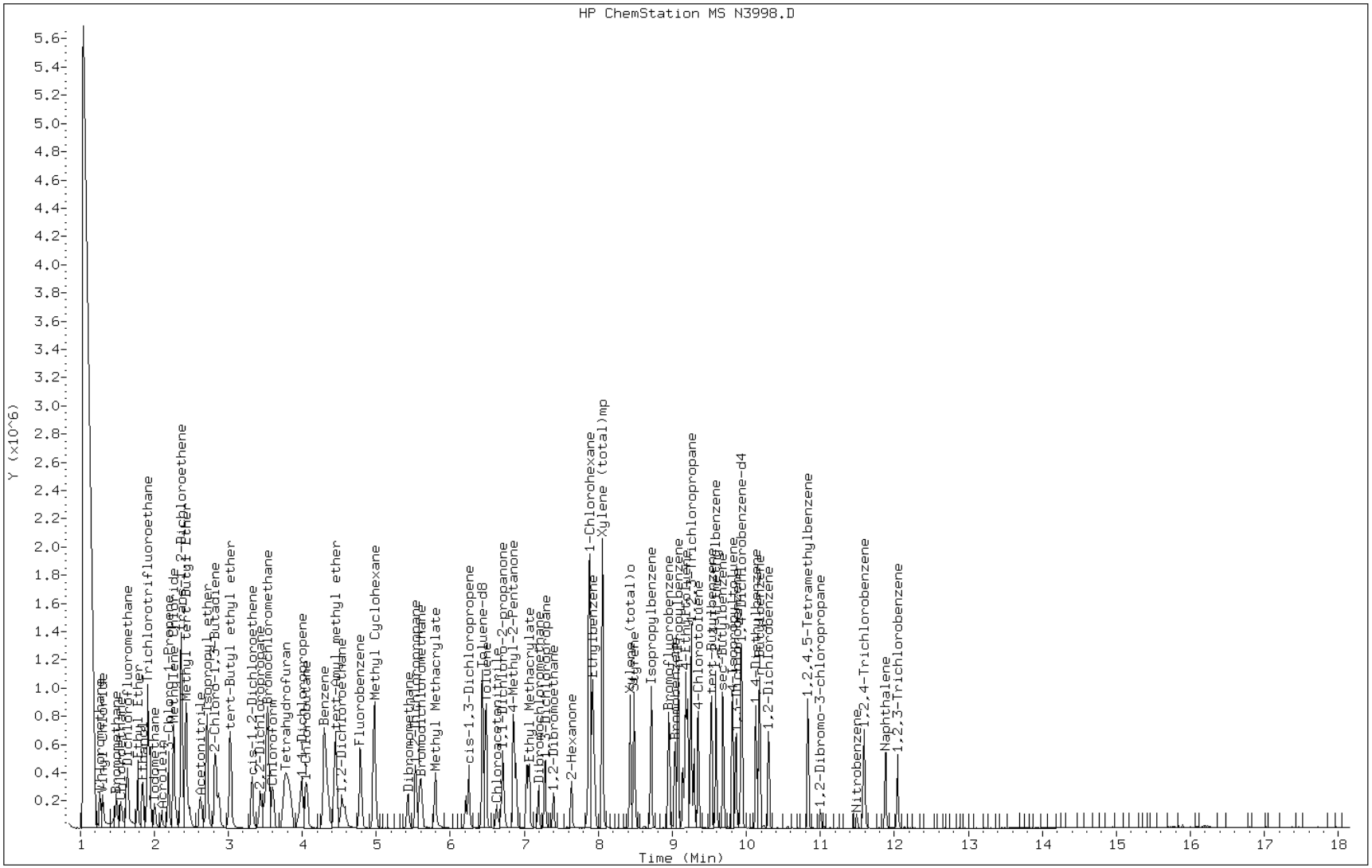
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: N3998.D

Date: 27-JUL-2011 10:45

Client ID: LCS-637159 Instrument: msn.i

Sample Info: LCS-637159 Operator: D. HUMBERT



Manual Integration Report

Data File: N3998.D
Inj. Date and Time: 27-JUL-2011 10:45
Instrument ID: msn.i
Client ID: LCS-637159
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/29/2011

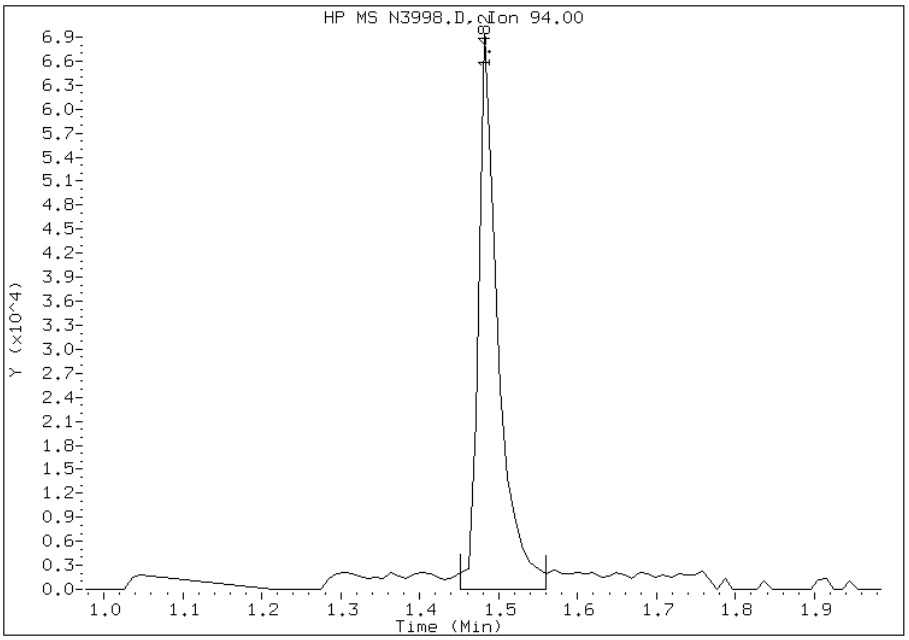
Processing Integration Results

RT: 1.48

Response: 121495

Amount: 31

Conc: 31



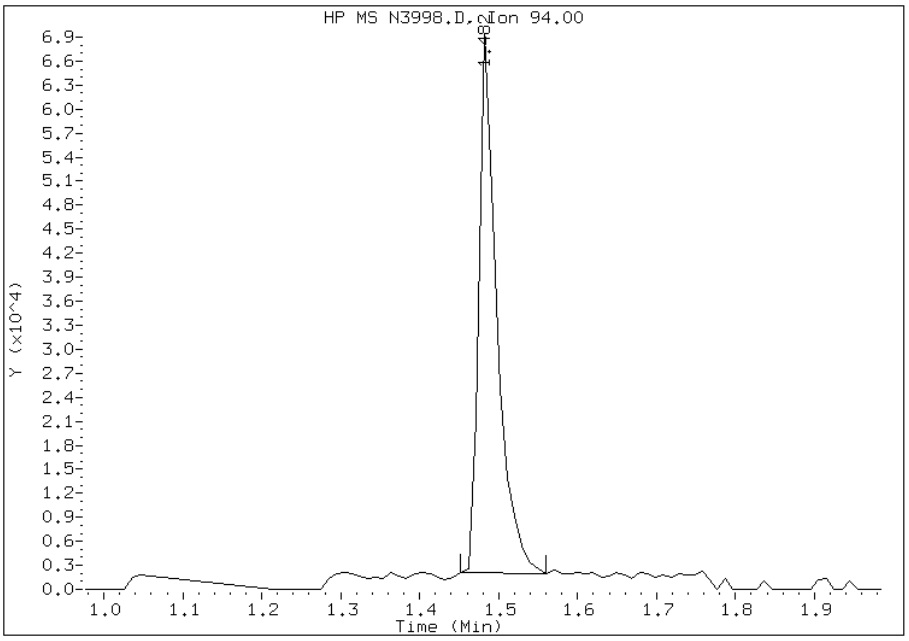
Manual Integration Results

RT: 1.48

Response: 107280

Amount: 27

Conc: 27



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: MSN Start Date: 07/13/2011 16:46

Analysis Batch Number: 52848 End Date: 07/13/2011 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-52848/8		07/13/2011 16:46	1	NB907.D	RTX-VMS 0.18(mm)
IC 220-52848/1		07/13/2011 17:15	1	N3724.D	RTX-VMS 0.18(mm)
IC 220-52848/2		07/13/2011 17:41	1	N3725.D	RTX-VMS 0.18(mm)
IC 220-52848/3		07/13/2011 18:21	1	N3726.D	RTX-VMS 0.18(mm)
IC 220-52848/4		07/13/2011 18:46	1	N3727.D	RTX-VMS 0.18(mm)
IC 220-52848/5		07/13/2011 19:11	1	N3728.D	RTX-VMS 0.18(mm)
IC 220-52848/6		07/13/2011 19:37	1	N3729.D	RTX-VMS 0.18(mm)
ICV 220-52848/7		07/13/2011 20:28	1		RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: MSN Start Date: 07/27/2011 09:24

Analysis Batch Number: 53434 End Date: 07/27/2011 20:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-53434/10		07/27/2011 09:24	1	NB918.D	RTX-VMS 0.18(mm)
CCVIS 220-53434/1		07/27/2011 09:47	1	N3997.D	RTX-VMS 0.18(mm)
LCS 220-53434/2		07/27/2011 10:45	1	N3998.D	RTX-VMS 0.18(mm)
MB 220-53434/3		07/27/2011 12:24	1	N4001.D	RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 14:34	1		RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 15:21	2		RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 19:33	1		RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 19:59	1		RTX-VMS 0.18(mm)
220-16087-1	SB SE-9-S 13'-15'	07/27/2011 20:24	1	N4017.D	RTX-VMS 0.18(mm)
220-16087-2	SB SE-9-D 18.5'-20'	07/27/2011 20:50	1	N4018.D	RTX-VMS 0.18(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXi-5MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
SB SE-9-S 13'-15'	220-16087-1	87	60	54
SB SE-9-D 18.5'-20'	220-16087-2	62	59	45
	MB 220-53507/1-A	73	61	81
	LCS 220-53507/2-A	63	62	96

	QC LIMITS
NBZ = Nitrobenzene-d5	38-120
FBP = 2-Fluorobiphenyl	41-120
TPH = Terphenyl-d14	32-125

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: U6158.D

Lab ID: LCS 220-53507/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	2670	1630	61	55-120	
Acenaphthene	2670	1640	61	57-120	
Fluorene	2670	1790	67	58-120	
Phenanthrene	2670	1760	66	58-120	
Anthracene	2670	1660	62	58-120	
Pyrene	2670	2380	89	54-121	
Benzo[a]anthracene	2670	1820	68	58-120	
Chrysene	2670	1210	45	57-120	*
Benzo[b]fluoranthene	2670	1980	74	54-120	
Benzo[k]fluoranthene	2670	1950	73	53-120	
Benzo[a]pyrene	2670	1760	66	44-120	
Indeno[1,2,3-cd]pyrene	2670	1680	63	37-120	
Dibenz(a,h)anthracene	2670	1790	67	39-120	
Benzo[g,h,i]perylene	2670	1700	64	37-120	
Fluoranthene	2670	1800	67	57-120	
Acenaphthylene	2670	1520	57	57-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: U6157.D Lab Sample ID: MB 220-53507/1-A

Matrix: Solid Date Extracted: 08/01/2011 14:36

Instrument ID: MSU Date Analyzed: 08/03/2011 14:34

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SB SE-9-S 13'-15'	220-16087-1	U6127.D	08/02/2011 21:22
SB SE-9-D 18.5'-20'	220-16087-2	U6128.D	08/02/2011 21:50
	LCS 220-53507/2-A	U6158.D	08/03/2011 15:02

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: Us6057.D DFTPP Injection Date: 07/28/2011

Instrument ID: MSU DFTPP Injection Time: 08:25

Analysis Batch No.: 53400

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	46.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	67.0	
70	Less than 2.0 % of mass 69	0.4	(0.7)1
127	40.0 - 60.0 % of mass 198	52.7	
197	Less than 1.0 % of mass 198	0.8	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.5	
275	10.0 - 30.0 % of mass 198	21.3	
365	Greater than 1.0 % of mass 198	2.6	
441	Present but less than mass 443	11.7	
442	Greater than 40.0 % of mass 198	70.3	
443	17.0 - 23.0 % of mass 442	14.3	(20.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-53400/1	U6058.D	07/28/2011	08:48
	IC 220-53400/2	U6059.D	07/28/2011	09:20
	IC 220-53400/3	U6060.D	07/28/2011	09:50
	IC 220-53400/4	U6061.D	07/28/2011	10:19
	IC 220-53400/5	U6062.D	07/28/2011	10:48
	IC 220-53400/6	U6063.D	07/28/2011	11:17
	IC 220-53400/7	U6064.D	07/28/2011	11:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: Us6104.D DFTPP Injection Date: 08/02/2011

Instrument ID: MSU DFTPP Injection Time: 10:16

Analysis Batch No.: 53551

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	58.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	89.8	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	59.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.3	
275	10.0 - 30.0 % of mass 198	25.4	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	12.4	
442	Greater than 40.0 % of mass 198	76.8	
443	17.0 - 23.0 % of mass 442	13.4	(17.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53551/1	U6105.D	08/02/2011	10:37
SB SE-9-S 13'-15'	220-16087-1	U6127.D	08/02/2011	21:22
SB SE-9-D 18.5'-20'	220-16087-2	U6128.D	08/02/2011	21:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab File ID: Us6148.D DFTPP Injection Date: 08/03/2011

Instrument ID: MSU DFTPP Injection Time: 10:18

Analysis Batch No.: 53606

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	61.4	
70	Less than 2.0 % of mass 69	0.4	(0.6)1
127	40.0 - 60.0 % of mass 198	53.5	
197	Less than 1.0 % of mass 198	0.6	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.9	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	14.1	
442	Greater than 40.0 % of mass 198	90.4	
443	17.0 - 23.0 % of mass 442	19.3	(21.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-53606/1	U6149.D	08/03/2011	10:34
	IC 220-53606/2	U6150.D	08/03/2011	11:10
	IC 220-53606/3	U6151.D	08/03/2011	11:40
	IC 220-53606/4	U6152.D	08/03/2011	12:09
	IC 220-53606/5	U6153.D	08/03/2011	12:37
	IC 220-53606/6	U6154.D	08/03/2011	13:06
	IC 220-53606/7	U6155.D	08/03/2011	13:36
	MB 220-53507/1-A	U6157.D	08/03/2011	14:34
	LCS 220-53507/2-A	U6158.D	08/03/2011	15:02

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Sample No.: CCVIS 220-53551/1 Date Analyzed: 08/02/2011 10:37

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): U6105.D Heated Purge: (Y/N) N

Calibration ID: 11661

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		120054	4.78	489468	6.14	267996	7.99
UPPER LIMIT		240108	5.28	978936	6.64	535992	8.49
LOWER LIMIT		60027	4.28	244734	5.64	133998	7.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-16087-1	SB SE-9-S 13'-15'	134452	4.79	567849	6.13	322953	8.00
220-16087-2	SB SE-9-D 18.5'-20'	110832	4.79	551578	6.13	310160	7.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Sample No.: CCVIS 220-53551/1 Date Analyzed: 08/02/2011 10:37

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): U6105.D Heated Purge: (Y/N) N

Calibration ID: 11661

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		327059	9.56	210425	12.43	172598	14.60
UPPER LIMIT		654118	10.06	420850	12.93	345196	15.10
LOWER LIMIT		163530	9.06	105213	11.93	86299	14.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-16087-1	SB SE-9-S 13'-15'	321023	9.56	182648	12.43	154213	14.61
220-16087-2	SB SE-9-D 18.5'-20'	327552	9.56	180850	12.43	161411	14.61

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Sample No.: ICIS 220-53606/1 Date Analyzed: 08/03/2011 10:34

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): U6149.D Heated Purge: (Y/N) N

Calibration ID: 11689

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		201769	4.77	834773	6.13	505124	7.98
UPPER LIMIT		403538	5.27	1669546	6.63	1010248	8.48
LOWER LIMIT		100885	4.27	417387	5.63	252562	7.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53507/1-A		247066	4.78	1006195	6.12	747674	7.98
LCS 220-53507/2-A		238753	4.78	1058712	6.12	729816	7.99

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Sample No.: ICIS 220-53606/1 Date Analyzed: 08/03/2011 10:34

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): U6149.D Heated Purge: (Y/N) N

Calibration ID: 11689

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		738726	9.55	413139	12.42	346730	14.57
UPPER LIMIT		1477452	10.05	826278	12.92	693460	15.07
LOWER LIMIT		369363	9.05	206570	11.92	173365	14.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53507/1-A		1195166	9.55	666970	12.41	328834	14.57
LCS 220-53507/2-A		1115653	9.55	455076	12.41	303384	14.57

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: SB SE-9-S 13'-15' | Lab Sample ID: 220-16087-1

Matrix: Solid | Lab File ID: U6127.D

Analysis Method: 8270C | Date Collected: 07/22/2011 10:15

Extract. Method: 3541 | Date Extracted: 08/01/2011 14:36

Sample wt/vol: 15.06(g) | Date Analyzed: 08/02/2011 21:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 19.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53551 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	510		330	17
83-32-9	Acenaphthene	330	U	330	20
86-73-7	Fluorene	330	U	330	20
85-01-8	Phenanthrene	330	U	330	16
120-12-7	Anthracene	330	U	330	13
129-00-0	Pyrene	330	U	330	16
56-55-3	Benzo[a]anthracene	330	U	330	12
218-01-9	Chrysene	330	U *	330	25
205-99-2	Benzo[b]fluoranthene	330	U	330	8.9
207-08-9	Benzo[k]fluoranthene	330	U	330	30
50-32-8	Benzo[a]pyrene	330	U	330	9.1
193-39-5	Indeno[1,2,3-cd]pyrene	330	U	330	22
53-70-3	Dibenz(a,h)anthracene	330	U	330	26
191-24-2	Benzo[g,h,i]perylene	330	U	330	22
206-44-0	Fluoranthene	330	U	330	17
208-96-8	Acenaphthylene	330	U	330	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		38-120
321-60-8	2-Fluorobiphenyl	60		41-120
1718-51-0	Terphenyl-d14	54		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\U6127.D
Lab Smp Id: 220-16087-B-1-A Client Smp ID: SB SE-9-S 13'-15'
Inj Date : 02-AUG-2011 21:22
Operator : S.Jonas Inst ID: msu.i
Smp Info : 220-16087-B-1-A
Misc Info : 220-16087-B-1-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\MSU-8270C.m
Meth Date : 02-Aug-2011 10:58 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 08:48 Cal File: U6058.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.060	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	19.694	% Moisture
Cpnd Variable		Local Compound Variable

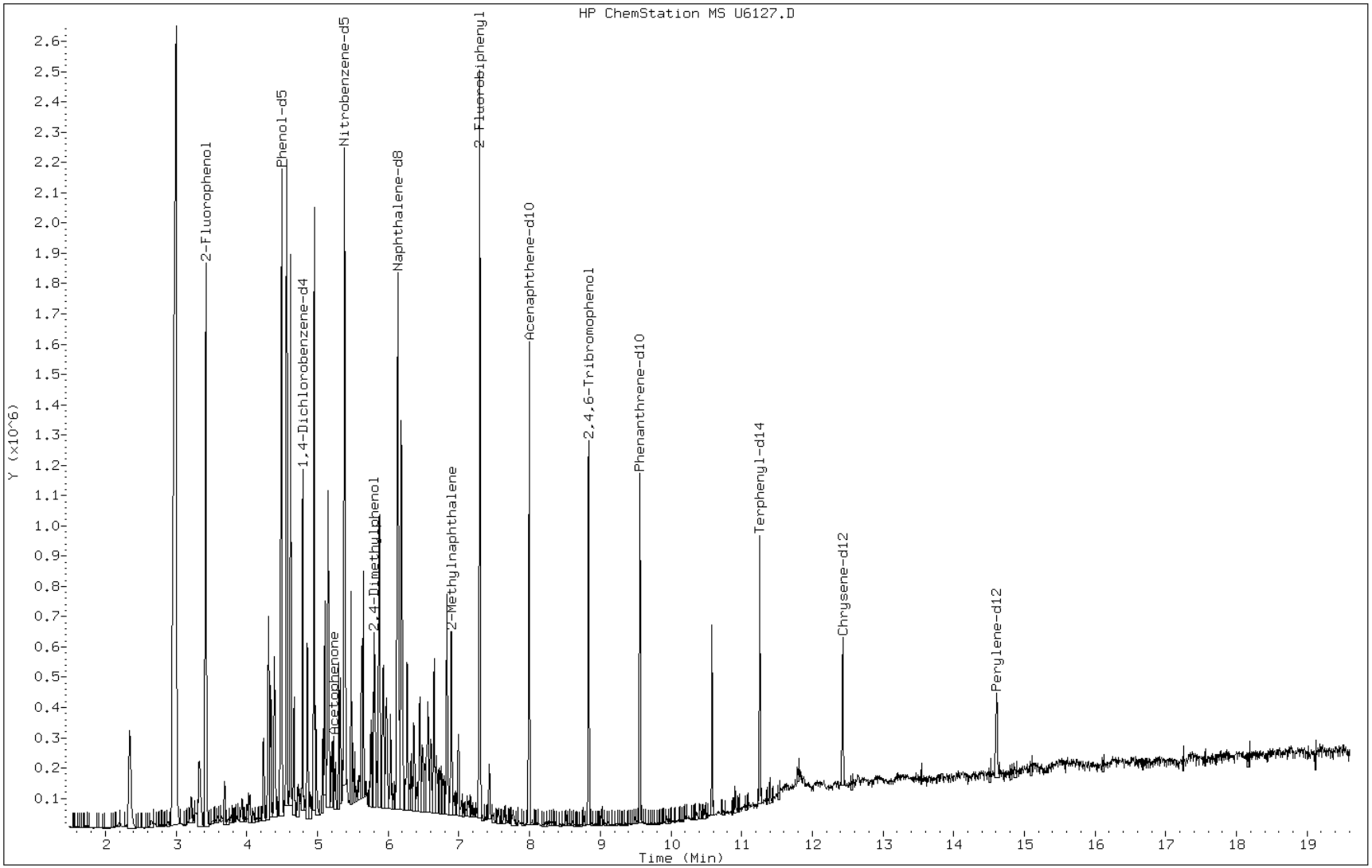
			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/Kg)
*	1	1,4-Dichlorobenzene-d4	152	4.791	4.781	(1.000)	134452	20.0000	
$	2	2-Fluorophenol	112	3.418	3.360	(0.713)	544050	62.8236	5200
$	3	Phenol-d5	99	4.492	4.476	(0.938)	837414	66.7303	5500
	7	Phenol	94	4.503	4.492	(0.940)	9980	0.74062	61
	92	Acetophenone	105	5.224	5.240	(1.090)	99237	7.31315	600
*	20	Naphthalene-d8	136	6.132	6.138	(1.000)	567849	20.0000	
$	21	Nitrobenzene-d5	82	5.384	5.384	(0.878)	577088	43.6166	3600
	25	2,4-Dimethylphenol	122	5.833	5.839	(0.951)	11525	1.47908	120
	30	Naphthalene	128	6.154	6.159	(1.003)	182465	6.12030	510
	34	2-Methylnaphthalene	142	6.896	6.902	(1.125)	135302	7.49217	620
*	35	Acenaphthene-d10	164	7.997	7.992	(1.000)	322953	20.0000	
$	40	2-Fluorobiphenyl	172	7.297	7.297	(0.912)	596983	30.1184	2500
$	56	2,4,6-Tribromophenol	330	8.830	8.836	(1.104)	96403	50.8598	4200
*	57	Phenanthrene-d10	188	9.562	9.562	(1.000)	321023	20.0000	
*	70	Chrysene-d12	240	12.431	12.431	(1.000)	182648	20.0000	
$	73	Terphenyl-d14	244	11.255	11.256	(0.905)	234250	27.2362	2300
*	79	Perylene-d12	264	14.610	14.595	(1.000)	154213	20.0000	

Data File: U6127.D

Date: 02-AUG-2011 21:22

Client ID: SB SE-9-S 13'-15' Instrument: msu.i

Sample Info: 220-16087-B-1-A Operator: S.Jonas



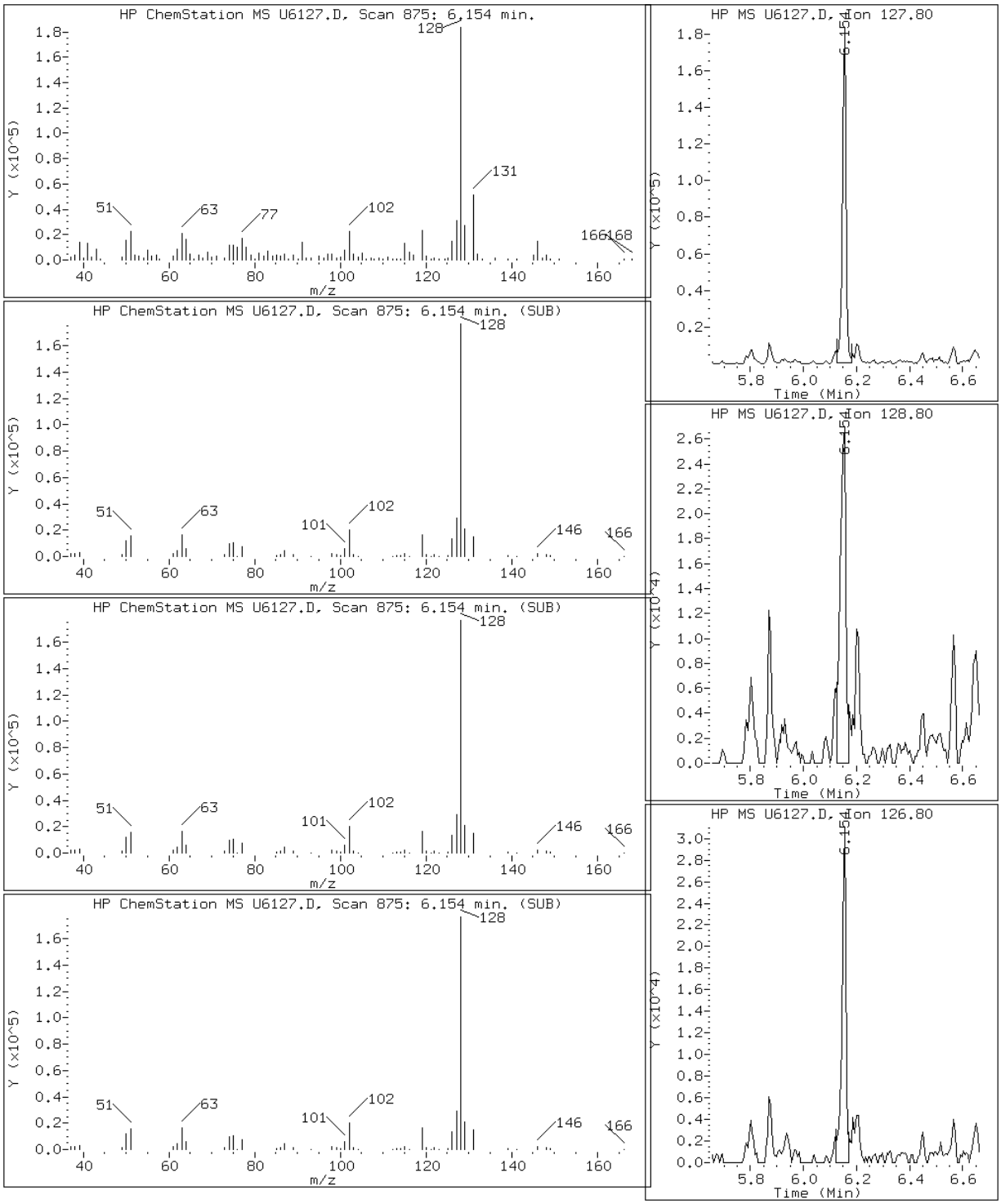
Data File: U6127.D

Date: 02-AUG-2011 21:22

Client ID: SB SE-9-S 13'-15' Instrument: msu.i

Sample Info: 220-16087-B-1-A Operator: S.Jonas

30 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: SB SE-9-D 18.5'-20' | Lab Sample ID: 220-16087-2

Matrix: Solid | Lab File ID: U6128.D

Analysis Method: 8270C | Date Collected: 07/22/2011 11:00

Extract. Method: 3541 | Date Extracted: 08/01/2011 14:36

Sample wt/vol: 15.07(g) | Date Analyzed: 08/02/2011 21:50

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53551 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	170	J	320	17
83-32-9	Acenaphthene	320	U	320	19
86-73-7	Fluorene	320	U	320	19
85-01-8	Phenanthrene	320	U	320	16
120-12-7	Anthracene	320	U	320	13
129-00-0	Pyrene	320	U	320	15
56-55-3	Benzo[a]anthracene	320	U	320	11
218-01-9	Chrysene	320	U *	320	24
205-99-2	Benzo[b]fluoranthene	320	U	320	8.6
207-08-9	Benzo[k]fluoranthene	320	U	320	29
50-32-8	Benzo[a]pyrene	320	U	320	8.7
193-39-5	Indeno[1,2,3-cd]pyrene	320	U	320	21
53-70-3	Dibenz(a,h)anthracene	320	U	320	25
191-24-2	Benzo[g,h,i]perylene	320	U	320	21
206-44-0	Fluoranthene	320	U	320	16
208-96-8	Acenaphthylene	320	U	320	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	62		38-120
321-60-8	2-Fluorobiphenyl	59		41-120
1718-51-0	Terphenyl-d14	45		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\U6128.D
Lab Smp Id: 220-16087-B-2-A Client Smp ID: SB SE-9-D 18.5'-20'
Inj Date : 02-AUG-2011 21:50
Operator : S.Jonas Inst ID: msu.i
Smp Info : 220-16087-B-2-A
Misc Info : 220-16087-B-2-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\MSU-8270C.m
Meth Date : 02-Aug-2011 10:58 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 08:48 Cal File: U6058.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.070	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	16.645	% Moisture
Cpnd Variable		Local Compound Variable

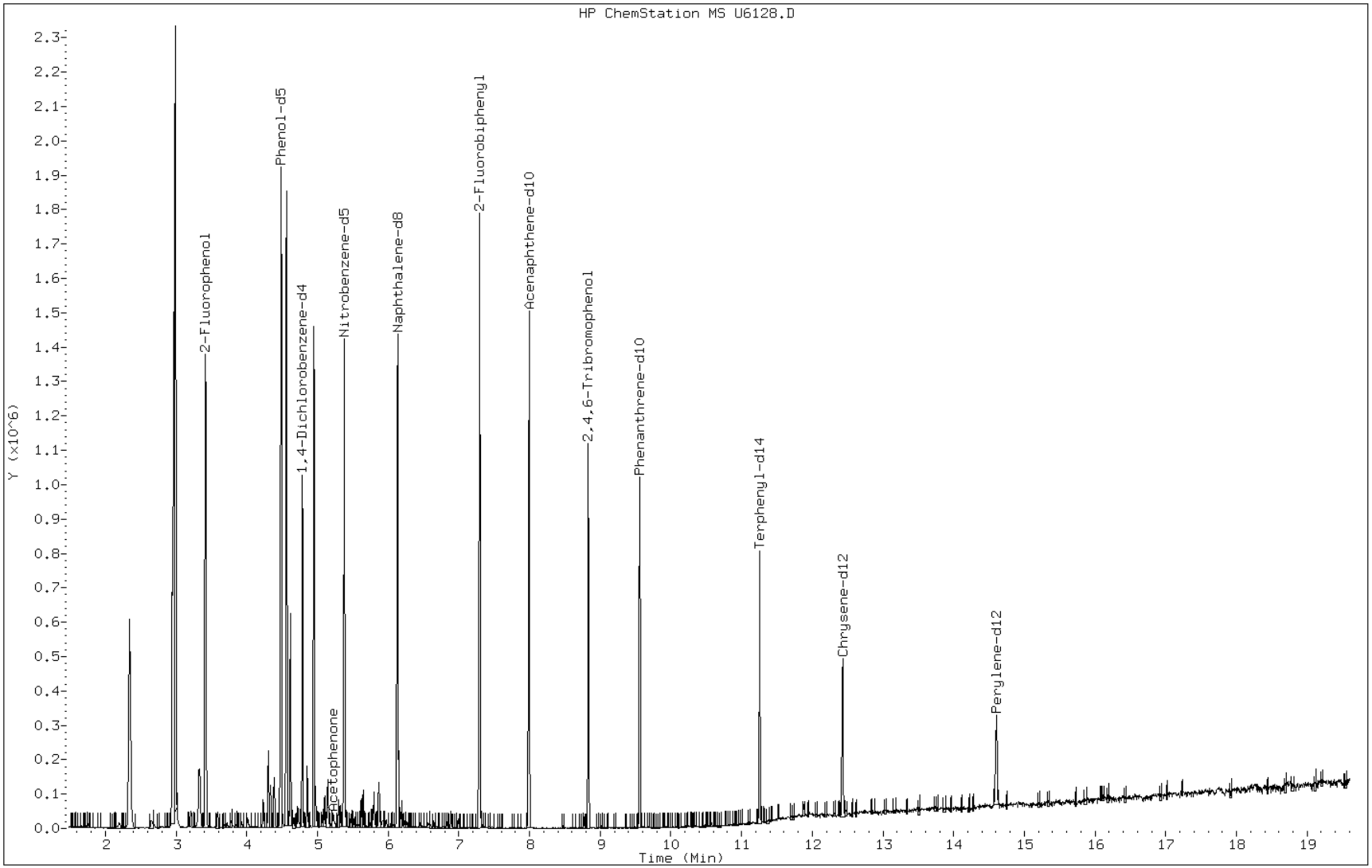
			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/Kg)
*	1	1,4-Dichlorobenzene-d4	152	4.791	4.781	(1.000)	110832	20.0000	
$	2	2-Fluorophenol	112	3.408	3.360	(0.711)	345546	48.4052	3900
$	3	Phenol-d5	99	4.487	4.476	(0.936)	622328	60.1595	4800
	92	Acetophenone	105	5.219	5.240	(1.089)	14809	1.32391	110
*	20	Naphthalene-d8	136	6.132	6.138	(1.000)	551578	20.0000	
$	21	Nitrobenzene-d5	82	5.379	5.384	(0.877)	398235	30.9867	2500
	30	Naphthalene	128	6.148	6.159	(1.003)	63348	2.18752	170
*	35	Acenaphthene-d10	164	7.991	7.992	(1.000)	310160	20.0000	
$	40	2-Fluorobiphenyl	172	7.297	7.297	(0.913)	563126	29.5821	2400
$	56	2,4,6-Tribromophenol	330	8.830	8.836	(1.105)	89380	49.0996	3900
*	57	Phenanthrene-d10	188	9.562	9.562	(1.000)	327552	20.0000	
*	70	Chrysene-d12	240	12.431	12.431	(1.000)	180850	20.0000	
$	73	Terphenyl-d14	244	11.256	11.256	(0.905)	192355	22.5875	1800
*	79	Perylene-d12	264	14.605	14.595	(1.000)	161411	20.0000	

Data File: U6128.D

Date: 02-AUG-2011 21:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msu.i

Sample Info: 220-16087-B-2-A Operator: S.Jonas



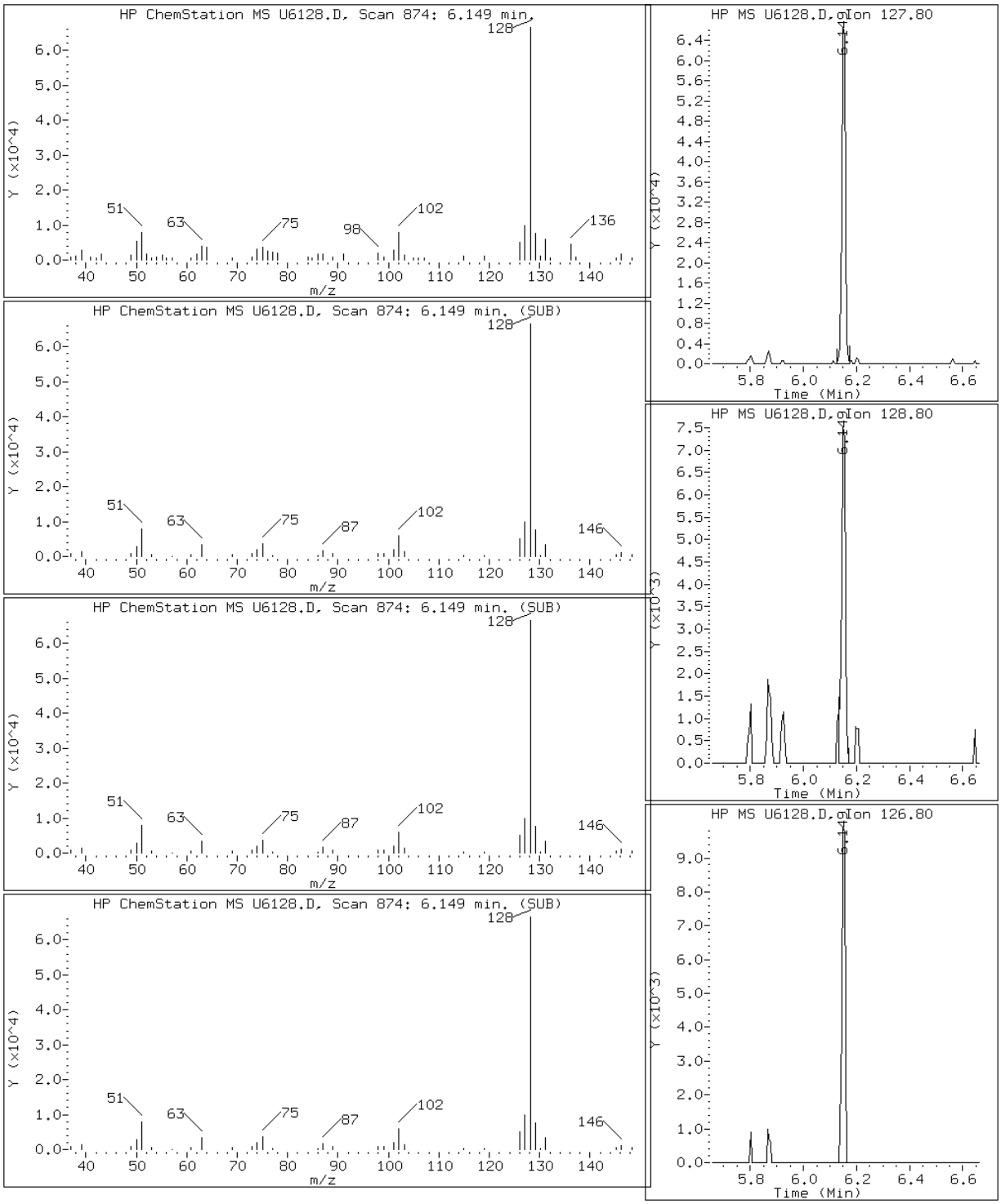
Data File: U6128.D

Date: 02-AUG-2011 21:50

Client ID: SB SE-9-D 18.5'-20' Instrument: msu.i

Sample Info: 220-16087-B-2-A Operator: S.Jonas

30 Naphthalene



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53400/2	U6059.D
Level 2	IC 220-53400/3	U6060.D
Level 3	IC 220-53400/4	U6061.D
Level 4	IC 220-53400/5	U6062.D
Level 5	ICIS 220-53400/1	U6058.D
Level 6	IC 220-53400/6	U6063.D
Level 7	IC 220-53400/7	U6064.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.3071 0.2853	0.2675 0.3042	0.2846	0.2877	0.2669	Ave		0.2862				5.5		15.0			
Pyridine	+++++ 0.3760	0.2674 0.3784	0.3536	0.3644	0.4198	Ave		0.3599				14.1		15.0			
Cyclohexanone	0.8068 0.3066	0.7271 0.2588	0.6105	0.5346	0.6675	Ave		0.5588				37.1	*	15.0			
Benzaldehyde	0.5191 0.4438	1.0111 0.3199	1.0795	0.8633	0.5499	Ave		0.6838				43.5	*	15.0			
Aniline	2.2833 1.9633	2.0907 1.5369	1.9173	1.8748	2.3200	Ave		1.9980				13.4		15.0			
Phenol	1.9617 2.0039	1.9315 2.3736	1.7019	1.9470	2.1116	Ave		2.0045				10.2		30.0			
Bis(2-chloroethyl)ether	1.4289 1.4567	1.2736 +++++	1.3015	1.2830	1.4524	Ave		1.3660				6.5		15.0			
2-Chlorophenol	1.4841 1.5008	1.3385 1.5500	1.4007	1.4524	1.4765	Ave		1.4576				4.8		15.0			
1,3-Dichlorobenzene	1.6550 1.7478	1.6003 1.9106	1.5822	1.6175	1.6621	Ave		1.6822				6.8		15.0			
1,4-Dichlorobenzene	1.7050 1.7919	1.6481 1.9426	1.6122	1.5985	1.7448	Ave		1.7204				7.0		30.0			
1,2-Dichlorobenzene	1.7197 1.7267	1.1900 +++++	1.3491	1.5922	1.6781	Ave		1.5426				14.4		15.0			
Benzyl alcohol	0.6405 0.7455	0.7223 +++++	0.7834	0.7579	0.6771	Ave		0.7211				7.4		15.0			
2,2'-oxybis[1-chloropropane]	1.8295 1.8443	1.8692 1.9920	1.8138	1.5735	1.9448	Ave		1.8382				7.3		15.0			
2-Methylphenol	1.3898 1.3630	1.3022 1.5606	1.3144	1.3271	1.3829	Ave		1.3771				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	2.1703 1.8164	1.9109 2.2090	2.0058	2.0394	1.9777	Ave		2.0185				6.8		15.0			
N-Nitrosodi-n-propylamine	1.1904 1.1305	0.9258 0.8905	1.1384	1.0998	1.2317	Ave		1.0867			0.0500	11.9		15.0			
Methylphenol, 3 & 4	1.3363 1.3859	1.0644 1.4880	1.3347	1.3675	1.3413	Ave		1.3312				9.7		15.0			
Hexachloroethane	0.7679 0.8100	0.6959 0.7804	0.6458	0.7886	0.8581	Ave		0.7638				9.3		15.0			
Nitrobenzene	0.4607 0.4932	0.4971 0.4819	0.4408	0.4632	0.4549	Ave		0.4703				4.4		15.0			
Isophorone	0.6129 0.7754	0.7987 +++++	0.6017	0.6564	0.7883	Ave		0.7055				13.0		15.0			
2-Nitrophenol	0.1739 0.2104	0.1923 0.2130	0.1742	0.1901	0.1874	Ave		0.1916				8.1		30.0			
2,4-Dimethylphenol	0.2402 0.2904	0.2857 0.3202	0.2395	0.2523	0.2929	Ave		0.2744				11.2		15.0			
Bis(2-chloroethoxy)methane	0.4494 0.4921	0.3850 0.4473	0.4321	0.4488	0.4805	Ave		0.4479				7.8		15.0			
Benzoic acid	0.1719 0.1517	0.0846 0.1766	0.1120	0.1343	0.1419	Qua	0.0832	7.9310	-3.387					15.0	0.9962		0.9900
2,4-Dichlorophenol	0.2599 0.2934	0.2872 0.3027	0.2759	0.2835	0.2996	Ave		0.2860				5.2		30.0			
1,2,4-Trichlorobenzene	0.3578 0.3873	0.4025 0.3864	0.3592	0.3154	0.3808	Ave		0.3699				7.8		15.0			
Naphthalene	1.0192 1.1078	1.0695 1.1019	0.9830	1.0042	1.0646	Ave		1.0500				4.6		15.0			
4-Chloroaniline	0.3484 0.3608	0.4051 0.3096	0.3695	0.3613	0.3203	Ave		0.3536				9.0		15.0			
Hexachlorobutadiene	0.1680 0.2564	0.2439 0.2538	0.2142	0.2222	0.2268	Ave		0.2265				13.4		30.0			
Caprolactam	+++++ 0.0685	0.0507 0.0602	0.0493	0.0605	0.0617	Ave		0.0585				12.5		15.0			
4-Chloro-3-methylphenol	0.2426 0.3073	0.2722 0.2859	0.2778	0.2889	0.3214	Ave		0.2852				8.9		30.0			
2,4,5-Trichlorotoluene	1.2687 1.2229	1.1852 1.2927	1.1327	1.1921	1.1880	Ave		1.2118				4.5		15.0			
2-Methylnaphthalene	0.5665 0.7137	0.6413 0.7040	0.6141	0.5442	0.6686	Ave		0.6361				10.2		15.0			
Hexachlorocyclopentadiene	0.2114 0.3943	0.2318 0.3681	0.3109	0.3229	0.4051	Lin	0.0707	0.3892			0.0500			15.0	0.9950		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.3055 0.3306	0.2214 0.3305	0.3267	0.2308	0.3443	Lin	0.1020	0.3408						15.0	0.9908		0.9900
2,4,6-Trichlorophenol	+++++ 0.4117	0.3391 0.3896	0.3833	0.3121	0.3946	Ave		0.3717				10.2		30.0			
2,4,5-Trichlorophenol	0.2678 0.4457	0.2330 +++++	0.4049	0.3461	0.3759	Qua	0.1108	2.7760	-0.455					15.0	0.9925		0.9900
1,1'-Biphenyl	1.4284 1.6566	1.2453 1.5351	1.5180	1.3870	1.6247	Ave		1.4850				9.6		15.0			
2-Chloronaphthalene	1.1626 1.2674	1.0346 1.2886	1.2549	1.1569	1.3508	Ave		1.2165				8.7		15.0			
2-Nitroaniline	0.3556 0.3483	0.3344 0.3729	0.3969	0.3532	0.3904	Ave		0.3645				6.3		15.0			
Dimethyl phthalate	0.9807 1.1155	0.9564 1.1150	0.9718	1.0433	1.1729	Ave		1.0508				8.1		15.0			
2,6-Dinitrotoluene	0.2248 0.2968	0.1817 +++++	0.2706	0.2466	0.2984	Lin	0.0786	0.3047						15.0	0.9974		0.9900
Acenaphthylene	1.6576 1.9181	1.5518 1.7996	1.5568	1.6556	1.9082	Ave		1.7211				9.0		15.0			
3-Nitroaniline	0.1969 0.2742	0.2236 0.2457	0.2653	0.2379	0.2818	Ave		0.2465				12.2		15.0			
Acenaphthene	1.1373 1.2460	1.0313 1.2233	1.1722	1.1042	1.2945	Ave		1.1727				7.7		30.0			
2,4-Dinitrophenol	0.0314 0.1488	0.0468 0.1458	0.1035	0.1077	0.1273	Lin	0.3624	0.1612			0.0500			15.0	0.9933		0.9900
4-Nitrophenol	0.0785 0.1414	0.0904 0.1416	0.1176	0.1159	0.1306	Lin	0.2324	0.1498			0.0500			15.0	0.9956		0.9900
Dibenzofuran	1.4003 1.7547	1.2578 1.5162	1.6669	1.4888	1.6427	Ave		1.5325				11.1		15.0			
2,4-Dinitrotoluene	0.2594 0.3700	0.2549 0.3065	0.3532	0.3049	0.3528	Ave		0.3145				14.7		15.0			
2,3,4,6-Tetrachlorophenol	0.2011 0.3168	0.1749 0.2832	0.2787	0.1989	0.2861	Ave		0.2486				22.2	*	15.0			
Diethyl phthalate	0.8743 1.0291	0.8111 1.0005	0.9989	0.8847	1.0727	Ave		0.9530				10.1		15.0			
Fluorene	1.1719 1.4141	0.9719 1.3305	1.2487	1.1774	1.3712	Ave		1.2408				12.1		15.0			
4-Chlorophenyl phenyl ether	0.6073 0.7372	0.5796 0.7079	0.6874	0.6120	0.7270	Ave		0.6655				9.7		15.0			
4-Nitroaniline	0.1708 0.2230	0.1782 0.1852	0.2204	0.2107	0.2308	Ave		0.2027				11.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	+++++ 0.1383	0.0879 0.1328	0.1073	0.1140	0.1251	Lin	0.2621	0.1447						15.0	0.9960		0.9900
N-Nitrosodiphenylamine	0.4852 0.5965	0.5497 0.6237	0.5168	0.4772	0.5752	Ave		0.5463				10.2		30.0			
1,2-Diphenylhydrazine	1.0161 1.0983	1.1039 1.1499	1.1050	1.0337	1.1690	Ave		1.0965				5.1		15.0			
4-Bromophenyl phenyl ether	0.1922 0.2183	0.2341 0.2667	0.2174	0.2196	0.2323	Ave		0.2258				10.0		15.0			
Hexachlorobenzene	0.1917 0.2180	0.2159 0.2472	0.2242	0.2010	0.2293	Ave		0.2182				8.4		15.0			
Simazine	0.0583 0.0817	0.3084 0.4506	0.4128	0.3649	0.4521	Ave		0.3041				55.1	*	15.0			
Atrazine	0.1108 0.1375	0.1279 0.1463	0.1256	0.1182	0.1434	Ave		0.1300				10.1		15.0			
Pentachlorophenol	0.0349 0.1135	0.0718 0.1248	0.0870	0.0957	0.1046	Lin	0.3177	0.1309						30.0	0.9930		0.9900
Pentachloronitrobenzene	0.0751 0.0808	0.0763 0.0955	0.0864	0.0729	0.0918	Ave		0.0827				10.6		15.0			
Phenanthrene	1.0397 1.1659	1.1277 1.1337	1.0864	1.0483	1.1463	Ave		1.1068				4.4		15.0			
Anthracene	1.0474 1.1467	1.1398 1.1162	1.1644	1.0749	1.1562	Ave		1.1208				3.9		15.0			
Carbazole	0.7945 0.7960	0.8711 0.7813	0.8817	0.8027	0.8328	Ave		0.8229				4.8		15.0			
Di-n-butyl phthalate	0.5526 0.7692	0.6010 0.7455	0.7190	0.6877	0.7787	Ave		0.6934				12.5		15.0			
Fluoranthene	0.8613 0.8802	0.9994 0.8498	1.0006	0.8784	0.8967	Ave		0.9095				7.0		30.0			
Benzidine	0.0834 0.1324	0.1787 0.1242	0.1810	0.1824	0.2316	Ave		0.1591				30.7	*	15.0			
Pyrene	1.9567 1.4923	2.1004 1.5607	1.8639	1.7148	1.7137	Ave		1.7718				12.2		15.0			
3,3'-Dimethylbenzidine	0.1122 0.1923	0.1793 0.1570	0.1849	0.2103	0.2365	Ave		0.1818				21.8	*	15.0			
Butyl benzyl phthalate	0.4062 0.5441	0.4913 0.6143	0.4614	0.4834	0.5656	Ave		0.5095				13.7		15.0			
3,3'-Dichlorobenzidine	+++++ 0.3548	0.2830 0.3774	0.3132	0.3535	0.3737	Ave		0.3426				10.8		15.0			
Benzo[a]anthracene	1.1296 1.1373	1.1414 1.3666	1.0537	1.0847	1.2905	Ave		1.1720				9.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	0.9478 1.2502	1.1571 1.3553	1.0146	1.1267	1.1714	Ave		1.1462				11.9		15.0			
Bis(2-ethylhexyl) phthalate	0.6341 0.7697	0.6542 0.8272	0.6138	0.6649	0.8074	Ave		0.7102				12.5		15.0			
Di-n-octyl phthalate	1.0795 1.4031	1.0926 1.3284	1.1515	1.2721	1.4162	Ave		1.2491				11.4		30.0			
Benzo[b]fluoranthene	1.0008 1.1617	0.9599 1.1481	0.9640	1.0451	1.1585	Ave		1.0626				8.7		15.0			
Benzo[k]fluoranthene	0.9224 1.2162	0.8847 1.2080	1.0305	1.1266	1.1188	Ave		1.0724				12.3		15.0			
Benzo[a]pyrene	0.8186 0.9584	0.8267 0.9825	0.8893	0.9603	1.0188	Ave		0.9221				8.5		30.0			
Indeno[1,2,3-cd]pyrene	0.8183 1.0618	0.7736 1.0950	0.8638	0.9127	1.0120	Ave		0.9339				13.3		15.0			
Dibenz(a,h)anthracene	0.7814 1.0742	0.8109 1.0107	0.8903	0.9252	1.0230	Ave		0.9308				11.9		15.0			
Benzo[g,h,i]perylene	0.8636 1.0610	0.8461 1.0612	0.8877	0.9634	1.0136	Ave		0.9567				9.6		15.0			
2-Fluorophenol	1.3382 1.3677	1.0372 1.3877	1.3035	1.2849	1.2982	Ave		1.2882				9.1		15.0			
Phenol-d5	1.9097 1.9307	1.8160 1.8797	1.6696	1.8810	1.9803	Ave		1.8667				5.4		15.0			
Nitrobenzene-d5	0.4557 0.4961	0.5022 0.4832	0.4284	0.4154	0.4809	Ave		0.4660				7.2		15.0			
2-Fluorobiphenyl	1.1572 1.3941	1.0385 1.3154	1.1062	1.1844	1.3965	Ave		1.2275				11.6		15.0			
2,4,6-Tribromophenol	0.1057 0.1252	0.1080 0.1229	0.1375	0.1120	0.1103	Ave		0.1174				9.8		15.0			
Terphenyl-d14	1.0052 0.7378	1.0794 0.9094	0.9705	0.9474	0.9428	Ave		0.9418				11.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53400/2	U6059.D
Level 2	IC 220-53400/3	U6060.D
Level 3	IC 220-53400/4	U6061.D
Level 4	IC 220-53400/5	U6062.D
Level 5	ICIS 220-53400/1	U6058.D
Level 6	IC 220-53400/6	U6063.D
Level 7	IC 220-53400/7	U6064.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	5246 122127	8906 161136	21743	43630	94816	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	+++++ 160963	8903 200437	27010	55256	149133	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	13783 131273	24206 137083	46638	81074	237144	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	8868 190011	33661 169458	82463	130925	195373	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	39008 840514	69606 814009	146464	284306	824241	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	33514 857880	64305 1257211	130012	295267	750203	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	24412 623630	42403 +++++	99428	194570	516010	2.00 60.0	4.00 +++++	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	25354 642481	44563 820943	107001	220259	524552	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	28274 748229	53280 1011956	120867	245289	590504	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	29128 767111	54870 1028891	123157	242410	619882	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	29379 739208	39619 +++++	103062	241450	596182	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	10943 319157	24048 +++++	59849	114941	240541	2.00 60.0	4.00 +++++	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	31256 789548	62230 1055095	138558	238622	690951	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	23744 583525	43353 826563	100413	201249	491308	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	37077 777597	63621 1170014	153230	309281	702643	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	20337 483966	30824 471650	86965	166784	437607	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Methylphenol, 3 & 4	DCB	Ave	22830 593317	35436 788154	101959	207382	476544	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	13118 346757	23169 413334	49332	119595	304872	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	34354 819302	61736 1105340	141389	290753	647134	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	45698 1288214	99185 +++++	192983	411985	1121327	2.00 60.0	4.00 +++++	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	12963 349498	23881 488596	55880	119332	266618	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	17908 482469	35474 734376	76820	158348	416596	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	33508 817593	47805 1025968	138580	281716	683554	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Qua	12815 252014	26275 404991	89816	126480	201850	2.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	19380 487445	35671 694194	88486	177941	426214	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	26677 643399	49985 886284	115198	197998	541714	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	75999 1840436	132815 2527140	315296	630318	1514381	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	25981 599442	50312 710154	118501	226762	455622	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	12528 425925	30286 582154	68713	139476	322658	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	+++++ 113871	6291 138023	15800	37986	87832	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	18092 510528	33797 655793	89118	181311	457155	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	21674 523508	39460 684688	86529	180788	422080	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	42243 1185585	79642 1614534	196957	341618	951080	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Lin	8739 344288	19525 477147	49330	114705	292190	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Lin	12632 288725	23311 428406	51848	102479	248280	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	+++++ 359528	28566 505001	60819	110872	284553	+++++ 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Qua	27680 389217	49069 +++++	160630	184440	271069	5.00 60.0	10.0 +++++	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	59052 1446637	104917 1989887	240875	492756	1171762	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	48065 1106710	87161 1670340	199126	411012	974185	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	14700 304165	28172 483422	62986	125486	281571	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	40543 974093	80574 1445340	154210	370652	845907	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Lin	9294 259177	15307 +++++	42947	87623	215225	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	68528 1674966	130734 2332725	247031	588154	1376183	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	8141 239464	18839 318435	42097	84502	203218	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	47018 1088038	86883 1585671	186003	392276	933629	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Lin	3248 129899	9866 188959	41052	57390	91842	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Lin	8112 123461	19037 183507	46641	61775	94193	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	57891 1532317	105970 1965402	264505	528915	1184747	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	10724 323114	21479 397238	56046	108314	254422	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	8315 276684	18422 367151	44226	88324	206345	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	36145 898694	68332 1296937	158512	314281	773613	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	48448 1234846	81883 1724697	198144	418265	988943	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	25108 643731	48834 917667	109083	217403	524322	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	7062 194775	15012 240011	34979	74858	166463	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Lin	+++++ 180205	23357 226130	62961	86174	136927	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	29936 777442	58396 1062112	121286	240556	629376	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	62690 1431521	117270 1958148	259321	521103	1279196	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	11857 284504	24875 454199	51028	110720	254246	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	11825 284135	22935 420996	52620	101315	250870	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	3597 106519	6553 153479	19376	36790	98946	2.00 60.0	0.800 16.0	2.00	4.00	8.00
Atrazine	PHN	Ave	6839 179199	13583 249189	29473	59581	156951	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Lin	5386 147912	19076 212530	51014	72333	114420	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	4631 105324	10129 162579	20279	45906	100494	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	64147 1519638	119800 1930596	254943	528465	1254317	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	64625 1494635	121091 1900793	273261	541859	1265177	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	49022 1037569	92542 1330571	206907	404654	911283	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	34096 1002644	63847 1269609	168721	346690	852123	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluoranthene	PHN	Ave	53144 1147255	106176 1447126	234826	442784	981261	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Ave	2257 99556	8830 111926	22742	46348	126353	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	52979 1122070	103769 1406865	234221	435641	934813	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	3037 144618	8860 141503	23238	53415	129032	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	10997 409136	24272 553751	57978	122796	308532	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 266754	13982 340220	39355	89797	203882	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	30584 855122	56390 1231898	132408	275577	703951	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	25663 940073	57163 1221690	127488	286228	639024	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	17169 578770	32318 745656	77133	168907	440427	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Ave	25928 939114	51349 1185763	136614	297473	704107	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	24038 777527	45112 1024814	114364	244394	575966	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53400

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 08:48 Calibration End Date: 07/28/2011 11:47 Calibration ID: 11661

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	22155 814015	41579 1078250	122251	263444	556237	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	19661 641502	38854 877007	105503	224569	506538	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	19655 710705	36355 977434	102479	213432	503163	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	18768 719006	38109 902176	105617	216353	508627	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Ave	20743 710181	39764 947259	105313	225279	503918	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	22861 585504	34533 735003	99575	194856	461206	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	32626 826528	60460 995619	127542	285261	703550	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	33977 824191	62371 1108250	137417	260732	684144	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	47843 1217397	87494 1705105	175538	420783	1007193	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	10921 109359	22745 159327	54551	59705	79573	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	27216 554777	53327 819755	121952	240675	514280	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6058.D
Lab Smp Id: ICIS-641574 Client Smp ID: ICIS-641574
Inj Date : 28-JUL-2011 08:48
Operator : S.Jonas Inst ID: msu.i
Smp Info : ICIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 15:00 msu.i Quant Type: ISTD
Cal Date : 28-JUL-2011 10:48 Cal File: U6062.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.813	4.813	(1.000)	177638	20.0000	
$ 2	2-Fluorophenol	112	3.386	3.386	(0.704)	461206	40.0000	40
$ 3	Phenol-d5	99	4.503	4.503	(0.936)	703550	40.0000	42
4	Pyridine	52	1.602	1.602	(0.333)	149133	40.0000	47
5	N-Nitrosodimethylamine	42	1.591	1.591	(0.331)	94816	40.0000	37
6	Cyclohexanone	42	3.595	3.595	(0.747)	237144	40.0000	48
128	Benzaldehyde	77	4.327	4.327	(0.899)	195373	40.0000	32
7	Phenol	94	4.519	4.519	(0.939)	750203	40.0000	42
8	Aniline	93	4.471	4.471	(0.929)	824241	40.0000	46
9	bis(2-Chloroethyl)ether	63	4.567	4.567	(0.949)	516010	40.0000	43
10	2-Chlorophenol	128	4.594	4.594	(0.954)	524552	40.0000	41
11	1,3-Dichlorobenzene	146	4.749	4.749	(0.987)	590504	40.0000	40
12	1,4-Dichlorobenzene	146	4.829	4.829	(1.003)	619882	40.0000	41
13	Benzyl alcohol	108	4.994	4.994	(1.038)	240541	40.0000	38
14	1,2-Dichlorobenzene	146	4.989	4.989	(1.037)	596182	40.0000	44
15	2,2'-oxybis(1-Chloropropane)	45	5.139	5.139	(1.068)	690951	40.0000	42
16	2-Methylphenol	108	5.149	5.149	(1.070)	491308	40.0000	40
92	Acetophenone	105	5.267	5.267	(1.094)	702643	40.0000	39
17	Hexachloroethane	117	5.347	5.347	(1.111)	304872	40.0000	45
18	N-Nitroso-di-n-propylamine	70	5.294	5.294	(1.100)	437607	40.0000	45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.315	5.315	(1.104)	476544	40.0000	40
*	20 Naphthalene-d8	136	6.170	6.170	(1.000)	711260	20.0000	
$	21 Nitrobenzene-d5	82	5.416	5.416	(0.878)	684144	40.0000	41
	22 Nitrobenzene	77	5.438	5.438	(0.881)	647134	40.0000	39
	23 Isophorone	82	5.710	5.710	(0.926)	1121327	40.0000	45
	24 2-Nitrophenol	139	5.774	5.774	(0.936)	266618	40.0000	39
	25 2,4-Dimethylphenol	122	5.865	5.865	(0.951)	416596	40.0000	43
	26 Benzoic Acid	122	6.063	6.063	(0.983)	201850	40.0000	41(M)
	27 Bis(2-Chloroethoxy)methane	93	5.956	5.956	(0.965)	683554	40.0000	43
	28 2,4-Dichlorophenol	162	6.047	6.047	(0.980)	426214	40.0000	42(M)
	29 1,2,4-Trichlorobenzene	180	6.116	6.116	(0.991)	541714	40.0000	41
	30 Naphthalene	128	6.191	6.191	(1.003)	1514381	40.0000	41
	31 4-Chloroaniline	127	6.271	6.271	(1.016)	455622	40.0000	36
	32 Hexachlorobutadiene	225	6.346	6.346	(1.029)	322658	40.0000	40
	129 Caprolactam	113	6.683	6.683	(1.083)	87832	40.0000	42(M)
	33 4-Chloro-3-methylphenol	107	6.816	6.816	(1.105)	457155	40.0000	45
	34 2-Methylnaphthalene	142	6.928	6.928	(1.123)	951080	40.0000	42
*	35 Acenaphthene-d10	164	8.023	8.023	(1.000)	360604	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.891	6.891	(1.432)	422080	40.0000	39
	37 Hexachlorocyclopentadiene	237	7.110	7.110	(0.886)	292190	40.0000	43
	38 2,4,6-Trichlorophenol	196	7.243	7.243	(0.903)	284553	40.0000	42
	39 2,4,5-Trichlorophenol	196	7.286	7.286	(0.908)	271069	40.0000	39
$	40 2-Fluorobiphenyl	172	7.329	7.329	(0.913)	1007193	40.0000	46
	130 1,1'-Biphenyl	154	7.430	7.430	(0.926)	1171762	40.0000	44
	41 2-Chloronaphthalene	162	7.441	7.441	(0.927)	974185	40.0000	44
	42 2-Nitroaniline	65	7.559	7.559	(0.942)	281571	40.0000	43
	43 Acenaphthylene	152	7.874	7.874	(0.981)	1376183	40.0000	44
	44 Dimethylphthalate	163	7.772	7.772	(0.969)	845907	40.0000	45
	45 2,6-Dinitrotoluene	165	7.831	7.831	(0.976)	215225	40.0000	41
	46 Acenaphthene	153	8.061	8.061	(1.005)	933629	40.0000	44
	47 3-Nitroaniline	138	8.002	8.002	(0.997)	203218	40.0000	46
	48 2,4-Dinitrophenol	184	8.109	8.109	(1.011)	91842	40.0000	39
	49 Dibenzofuran	168	8.248	8.248	(1.028)	1184747	40.0000	43
	50 2,4-Dinitrotoluene	165	8.248	8.248	(1.028)	254422	40.0000	45
	51 4-Nitrophenol	109	8.210	8.210	(1.023)	94193	40.0000	40(M)
	52 Fluorene	166	8.606	8.606	(1.073)	988943	40.0000	44
	53 4-Chlorophenyl-phenylether	204	8.616	8.616	(1.074)	524322	40.0000	44
	54 Diethylphthalate	149	8.520	8.520	(1.062)	773613	40.0000	45
	55 4-Nitroaniline	138	8.654	8.654	(1.079)	166463	40.0000	46
$	56 2,4,6-Tribromophenol	330	8.867	8.867	(1.105)	79573	40.0000	38
*	57 Phenanthrene-d10	188	9.589	9.589	(1.000)	547125	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.686	8.686	(0.906)	136927	40.0000	40
	59 N-Nitrosodiphenylamine (1)	169	8.750	8.750	(0.913)	629376	40.0000	42
	60 1,2-Diphenylhydrazine	77	8.782	8.782	(0.916)	1279196	40.0000	43
	61 4-Bromophenyl-phenylether	248	9.129	9.129	(0.952)	254246	40.0000	41
	131 Atrazine	200	9.327	9.327	(0.973)	156951	40.0000	44
	62 Hexachlorobenzene	284	9.193	9.193	(0.959)	250870	40.0000	42
	63 Pentachlorophenol	266	9.407	9.407	(0.981)	114420	40.0000	38
	64 Phenanthrene	178	9.621	9.621	(1.003)	1254317	40.0000	41
	65 Carbazole	167	9.850	9.850	(1.027)	911283	40.0000	40
	66 Anthracene	178	9.674	9.674	(1.009)	1265177	40.0000	41
	67 Di-n-butylphthalate	149	10.235	10.235	(1.067)	852123	40.0000	45
	68 Fluoranthene	202	10.871	10.871	(1.134)	981261	40.0000	39
*	70 Chrysene-d12	240	12.463	12.463	(1.000)	272753	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.026	11.026	(0.885)	126353	40.0000	58
72	Pyrene	202	11.106	11.106	(0.891)	934813	40.0000	39
$ 73	Terphenyl-d14	244	11.282	11.282	(0.905)	514280	40.0000	40
74	Butylbenzylphthalate	149	11.811	11.811	(0.948)	308532	40.0000	44
124	3,3'-Dimethylbenzidine	212	11.790	11.790	(0.946)	129032	40.0000	52
75	3,3'-Dichlorobenzidine	252	12.425	12.425	(0.997)	203882	40.0000	44
76	Benzo(a)anthracene	228	12.447	12.447	(0.999)	703951	40.0000	44
77	Chrysene	228	12.495	12.495	(1.003)	639024	40.0000	41
78	Bis(2-Ethylhexyl)phthalate	149	12.506	12.506	(1.003)	440427	40.0000	45
* 79	Perylene-d12	264	14.632	14.632	(1.000)	248588	20.0000	
80	Di-n-octylphthalate	149	13.424	13.424	(0.917)	704107	40.0000	45
81	Benzo(b)fluoranthene	252	13.996	13.996	(0.957)	575966	40.0000	44
82	Benzo(k)fluoranthene	252	14.044	14.044	(0.960)	556237	40.0000	42
83	Benzo(a)pyrene	252	14.541	14.541	(0.994)	506538	40.0000	44
84	Indeno(1,2,3-cd)pyrene	276	16.651	16.651	(1.138)	503163	40.0000	43
85	Dibenzo(a,h)anthracene	278	16.705	16.705	(1.142)	508627	40.0000	44
86	Benzo(g,h,i)perylene	276	17.185	17.185	(1.175)	503918	40.0000	42
167	Simazine	201	9.300	9.300	(0.970)	98946	8.00000	12
103	1,2,4,5-Tetrachlorobenzene	216	7.110	7.110	(0.886)	248280	40.0000	42
109	2,3,4,6-Tetrachlorophenol	232	8.387	8.387	(1.045)	206345	40.0000	46
119	Pentachloronitrobenzene	237	9.423	9.423	(0.983)	100494	40.0000	44

QC Flag Legend

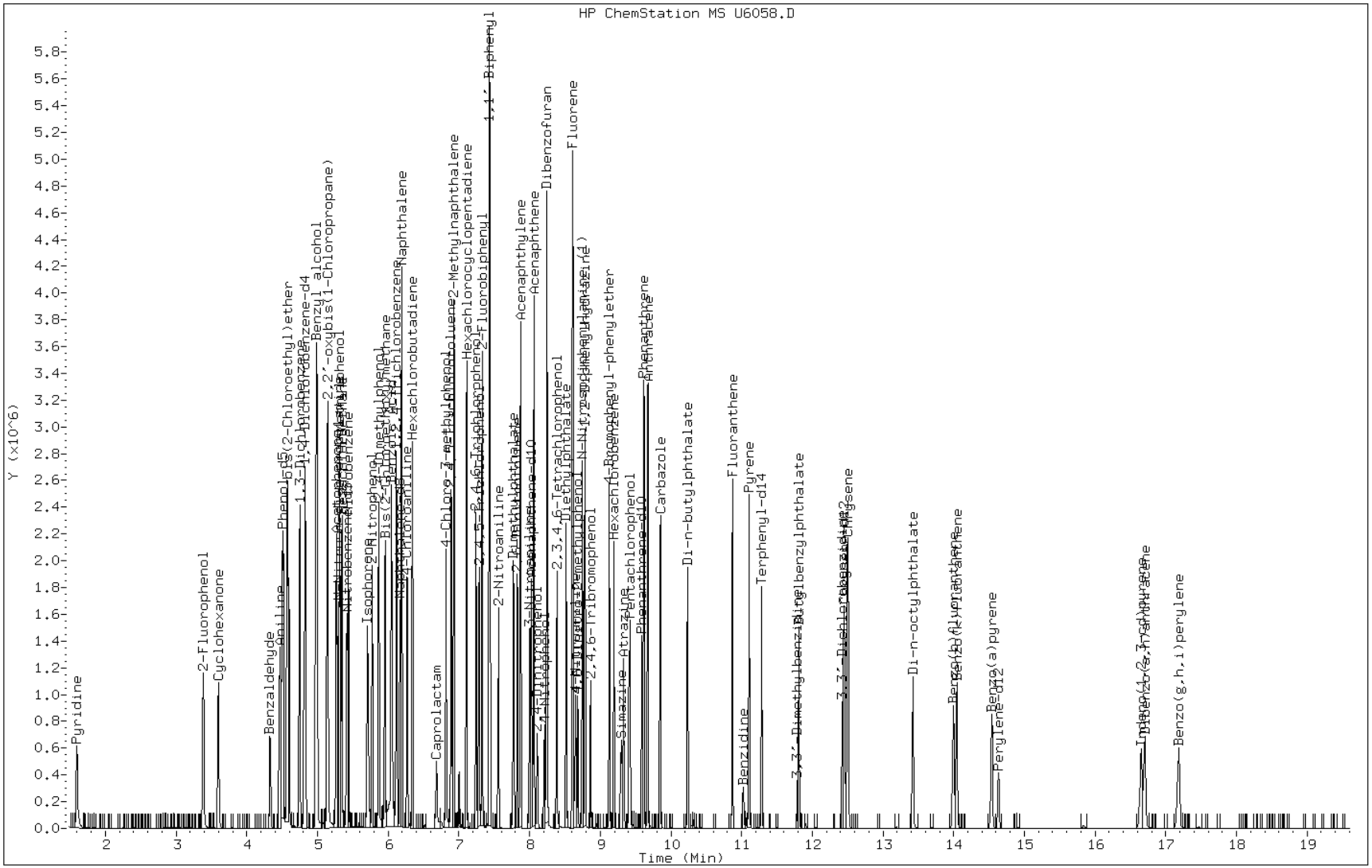
M - Compound response manually integrated.

Data File: U6058.D

Date: 28-JUL-2011 08:48

Client ID: ICIS-641574 Instrument: msu.i

Sample Info: ICIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: U6058.D
Inj. Date and Time: 28-JUL-2011 08:48
Instrument ID: msu.i
Client ID: ICIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

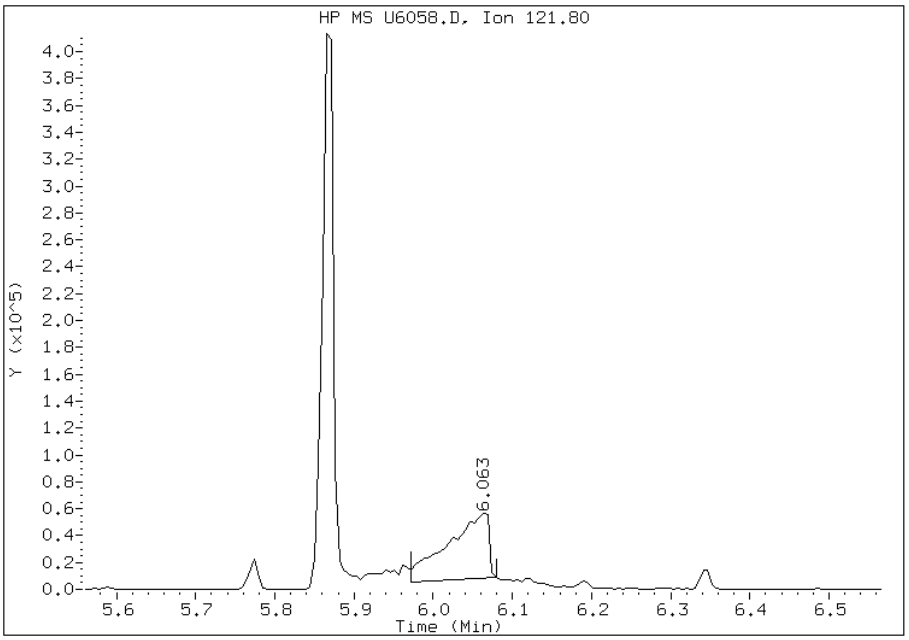
Processing Integration Results

RT: 6.06

Response: 174523

Amount: 40

Conc: 40



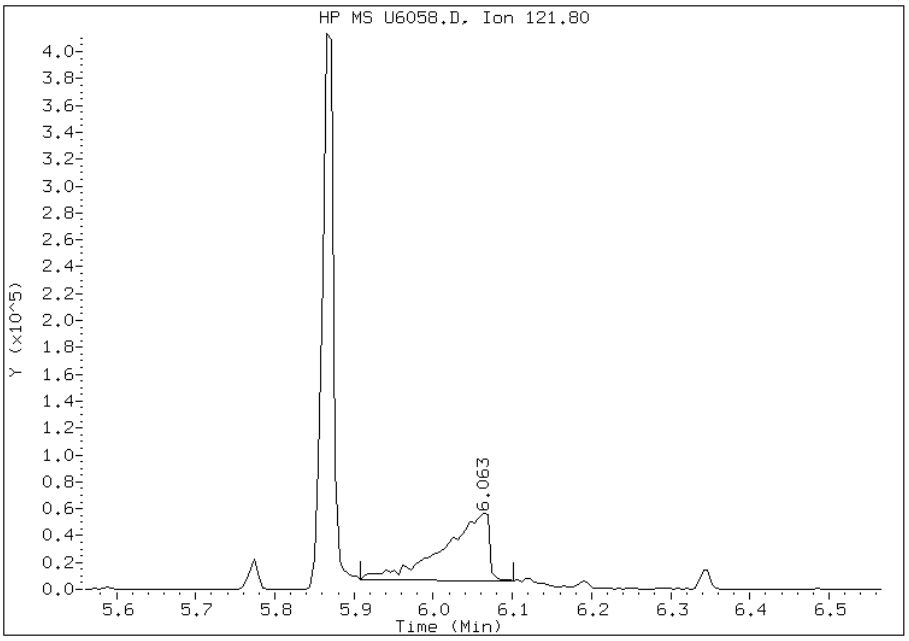
Manual Integration Results

RT: 6.06

Response: 201850

Amount: 41

Conc: 41



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6058.D
Inj. Date and Time: 28-JUL-2011 08:48
Instrument ID: msu.i
Client ID: ICIS-641574
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/01/2011

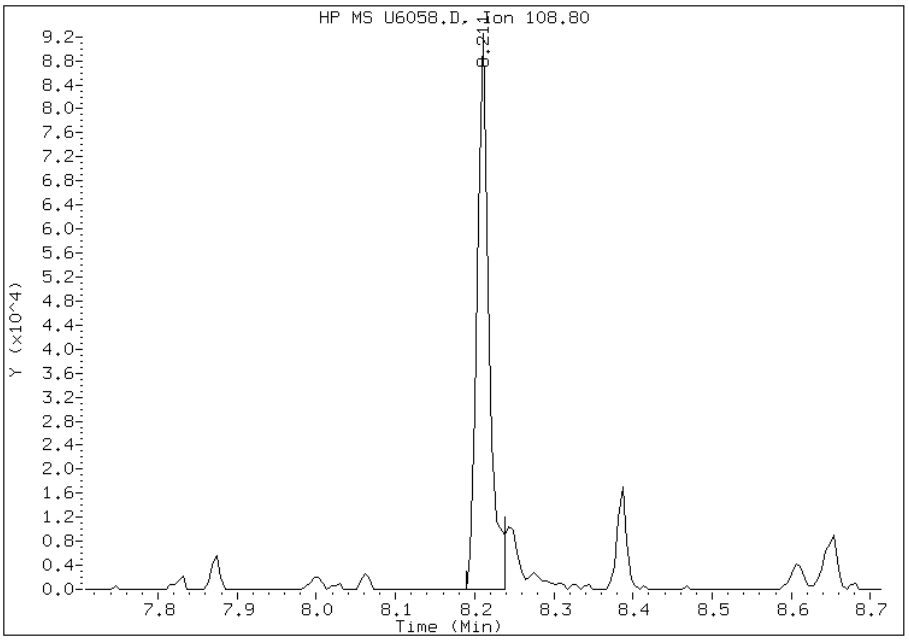
Processing Integration Results

RT: 8.21

Response: 94881

Amount: 45

Conc: 45



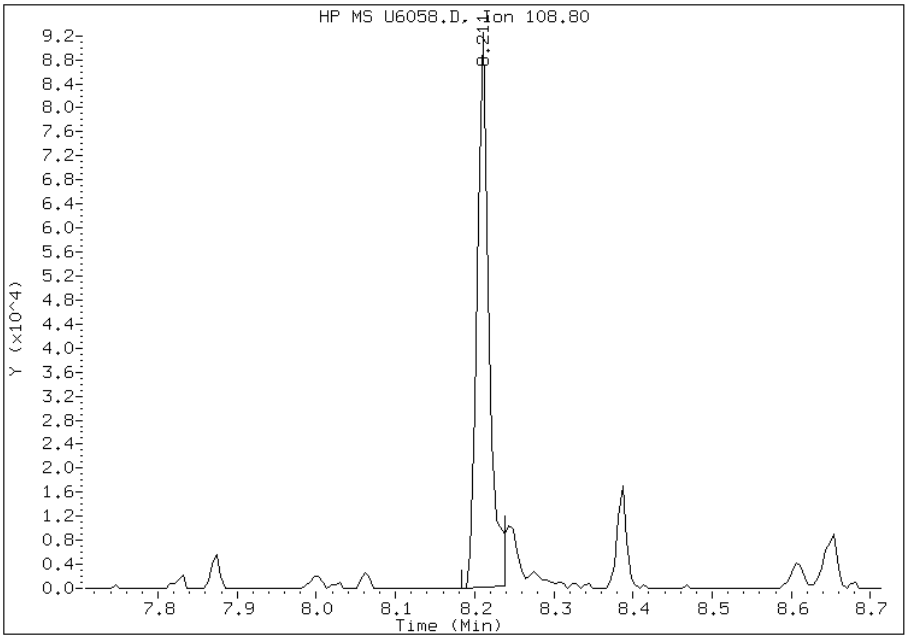
Manual Integration Results

RT: 8.21

Response: 94193

Amount: 40

Conc: 40



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6058.D
Inj. Date and Time: 28-JUL-2011 08:48
Instrument ID: msu.i
Client ID: ICIS-641574
Compound: 28 2,4-Dichlorophenol
CAS #: 120-83-2
Report Date: 08/01/2011

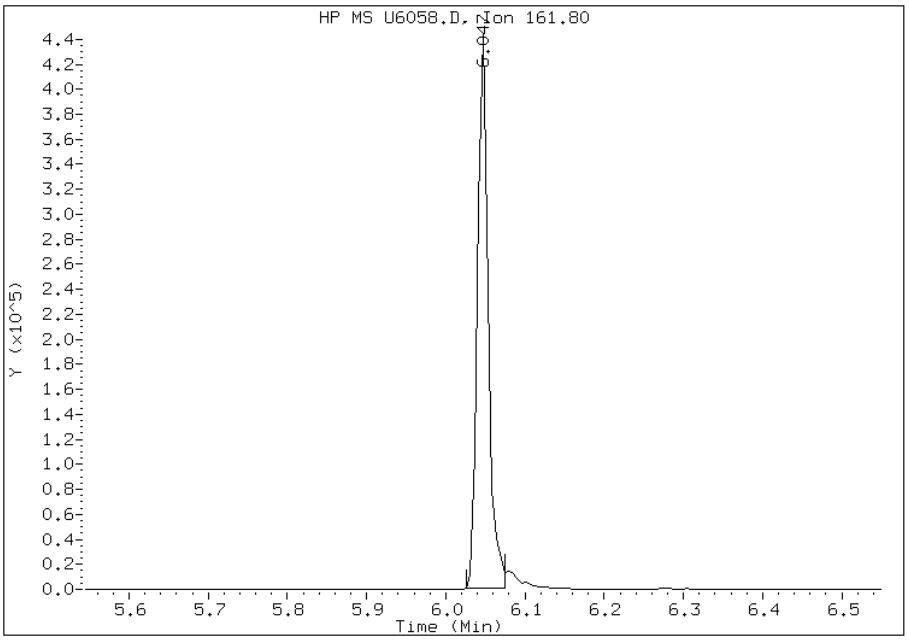
Processing Integration Results

RT: 6.05

Response: 406456

Amount: 40

Conc: 40



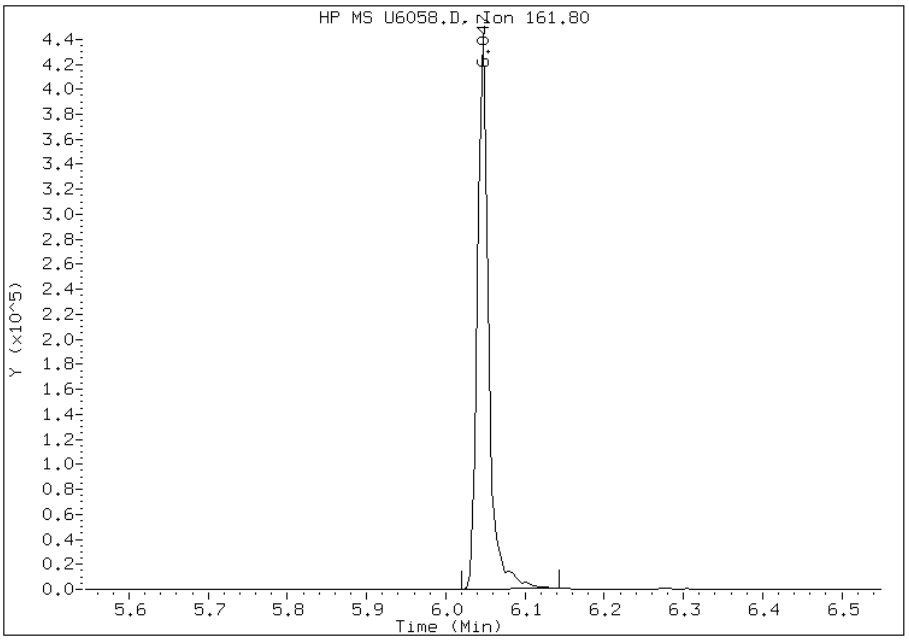
Manual Integration Results

RT: 6.05

Response: 426214

Amount: 42

Conc: 42



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6058.D
Inj. Date and Time: 28-JUL-2011 08:48
Instrument ID: msu.i
Client ID: ICIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

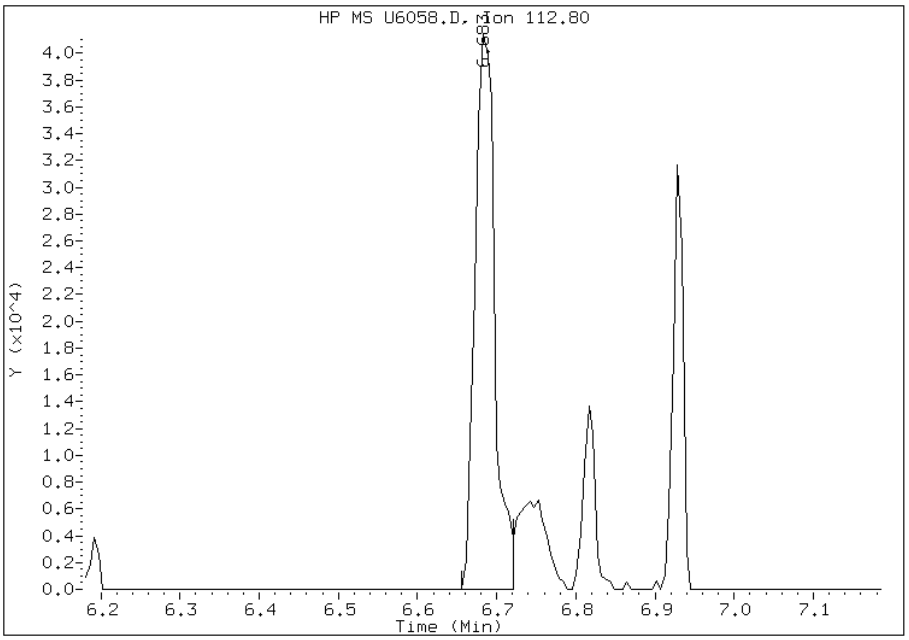
Processing Integration Results

RT: 6.68

Response: 71386

Amount: 40

Conc: 40



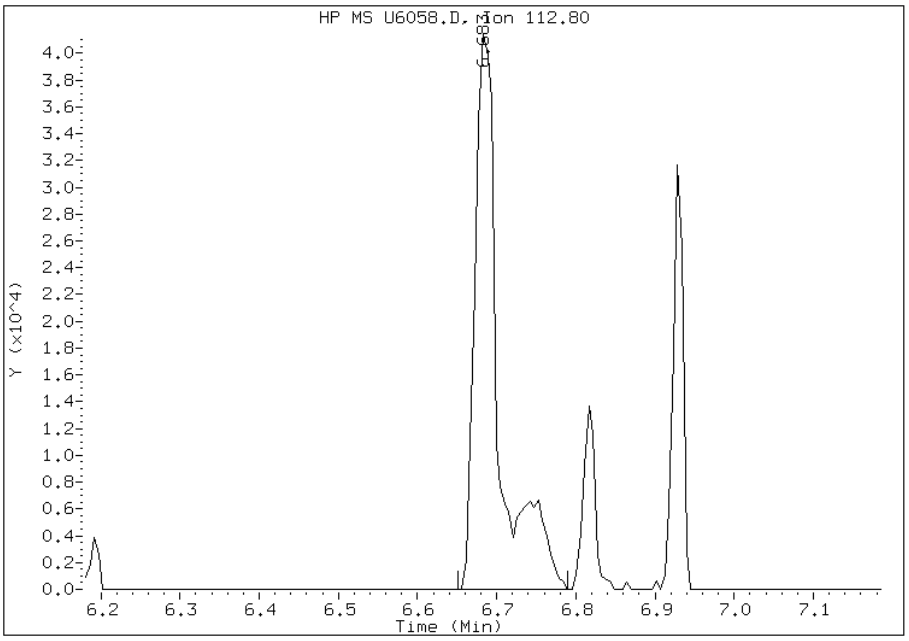
Manual Integration Results

RT: 6.68

Response: 87832

Amount: 42

Conc: 42



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6059.D
Lab Smp Id: IC-635513 Client Smp ID: IC-635513
Inj Date : 28-JUL-2011 09:20
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635513
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:36 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 09:20 Cal File: U6059.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	1 1,4-Dichlorobenzene-d4	152	4.807	4.807	(1.000)	170840	20.0000	
$	2 2-Fluorophenol	112	3.381	3.381	(0.703)	22861	2.00000	2
$	3 Phenol-d5	99	4.476	4.476	(0.931)	32626	2.00000	2
	5 N-Nitrosodimethylamine	42	1.591	1.591	(0.331)	5246	2.00000	2
	6 Cyclohexanone	42	3.595	3.595	(0.748)	13783	2.00000	3
	7 Phenol	94	4.492	4.492	(0.934)	33514	2.00000	2
	8 Aniline	93	4.460	4.460	(0.928)	39008	2.00000	2
	10 2-Chlorophenol	128	4.583	4.583	(0.953)	25354	2.00000	2
	11 1,3-Dichlorobenzene	146	4.743	4.743	(0.987)	28274	2.00000	2
	12 1,4-Dichlorobenzene	146	4.823	4.823	(1.003)	29128	2.00000	2
	13 Benzyl alcohol	108	4.978	4.978	(1.036)	10943	2.00000	2
	14 1,2-Dichlorobenzene	146	4.984	4.984	(1.037)	29379	2.00000	2
	15 2,2'-oxybis(1-Chloropropane)	45	5.133	5.133	(1.068)	31256	2.00000	2
	16 2-Methylphenol	108	5.128	5.128	(1.067)	23744	2.00000	2
	92 Acetophenone	105	5.251	5.251	(1.092)	37077	2.00000	2
	17 Hexachloroethane	117	5.342	5.342	(1.111)	13118	2.00000	2
	18 N-Nitroso-di-n-propylamine	70	5.267	5.267	(1.096)	20337	2.00000	2
	19 4-Methylphenol	108	5.294	5.294	(1.101)	22830	2.00000	2
*	20 Naphthalene-d8	136	6.159	6.159	(1.000)	745642	20.0000	
$	21 Nitrobenzene-d5	82	5.400	5.400	(0.877)	33977	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	22 Nitrobenzene	77	5.422	5.422	(0.880)	34354	2.00000	2
	23 Isophorone	82	5.689	5.689	(0.924)	45698	2.00000	2
	24 2-Nitrophenol	139	5.764	5.764	(0.936)	12963	2.00000	2
	25 2,4-Dimethylphenol	122	5.849	5.849	(0.950)	17908	2.00000	2
	26 Benzoic Acid	122	5.945	5.945	(0.965)	12815	2.00000	4(M)
	27 Bis(2-Chloroethoxy)methane	93	5.940	5.940	(0.964)	33508	2.00000	2
	28 2,4-Dichlorophenol	162	6.031	6.031	(0.979)	19380	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.111	6.111	(0.992)	26677	2.00000	2
	30 Naphthalene	128	6.180	6.180	(1.003)	75999	2.00000	2
	31 4-Chloroaniline	127	6.261	6.261	(1.016)	25981	2.00000	2
	32 Hexachlorobutadiene	225	6.341	6.341	(1.029)	12528	2.00000	1
	129 Caprolactam	113	6.592	6.592	(1.070)	2769	2.00000	2
	33 4-Chloro-3-methylphenol	107	6.800	6.800	(1.104)	18092	2.00000	2
	34 2-Methylnaphthalene	142	6.918	6.918	(1.123)	42243	2.00000	2
*	35 Acenaphthene-d10	164	8.023	8.023	(1.000)	413422	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.886	6.886	(1.432)	21674	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.105	7.105	(0.885)	8739	2.00000	1
	38 2,4,6-Trichlorophenol	196	7.233	7.233	(0.901)	10640	2.00000	1
	39 2,4,5-Trichlorophenol	196	7.270	7.270	(0.906)	27680	5.00000	4
$	40 2-Fluorobiphenyl	172	7.318	7.318	(0.912)	47843	2.00000	2
	130 1,1'-Biphenyl	154	7.420	7.420	(0.925)	59052	2.00000	2
	41 2-Chloronaphthalene	162	7.430	7.430	(0.926)	48065	2.00000	2
	42 2-Nitroaniline	65	7.548	7.548	(0.941)	14700	2.00000	2
	43 Acenaphthylene	152	7.863	7.863	(0.980)	68528	2.00000	2
	44 Dimethylphthalate	163	7.762	7.762	(0.967)	40543	2.00000	2
	45 2,6-Dinitrotoluene	165	7.810	7.810	(0.973)	9294	2.00000	2
	46 Acenaphthene	153	8.050	8.050	(1.003)	47018	2.00000	2
	47 3-Nitroaniline	138	7.981	7.981	(0.995)	8141	2.00000	2
	48 2,4-Dinitrophenol	184	8.093	8.093	(1.009)	3248	5.00000	7
	49 Dibenzofuran	168	8.237	8.237	(1.027)	57891	2.00000	2
	50 2,4-Dinitrotoluene	165	8.237	8.237	(1.027)	10724	2.00000	2
	51 4-Nitrophenol	109	8.189	8.189	(1.021)	8112	5.00000	3
	52 Fluorene	166	8.595	8.595	(1.071)	48448	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.611	8.611	(1.073)	25108	2.00000	2
	54 Diethylphthalate	149	8.504	8.504	(1.060)	36145	2.00000	3
	55 4-Nitroaniline	138	8.622	8.622	(1.075)	7062	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.851	8.851	(1.103)	10921	5.00000	5
*	57 Phenanthrene-d10	188	9.583	9.583	(1.000)	616985	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.659	8.659	(0.904)	8052	5.00000	6
	59 N-Nitrosodiphenylamine (1)	169	8.734	8.734	(0.911)	29936	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.771	8.771	(0.915)	62690	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.124	9.124	(0.952)	11857	2.00000	2
	131 Atrazine	200	9.311	9.311	(0.972)	6839	2.00000	2
	62 Hexachlorobenzene	284	9.188	9.188	(0.959)	11825	2.00000	2
	64 Phenanthrene	178	9.610	9.610	(1.003)	64147	2.00000	2
	65 Carbazole	167	9.840	9.840	(1.027)	49022	2.00000	2
	66 Anthracene	178	9.658	9.658	(1.008)	64625	2.00000	2
	68 Fluoranthene	202	10.866	10.866	(1.134)	53144	2.00000	2
*	70 Chrysene-d12	240	12.458	12.458	(1.000)	270750	20.0000	
	72 Pyrene	202	11.101	11.101	(0.891)	52979	2.00000	2
$	73 Terphenyl-d14	244	11.277	11.277	(0.905)	27216	2.00000	2
	74 Butylbenzylphthalate	149	11.806	11.806	(0.948)	10997	2.00000	4
	75 3,3'-Dichlorobenzidine	252	12.420	12.420	(0.997)	6454	2.00000	2(M)
	76 Benzo(a)anthracene	228	12.441	12.441	(0.999)	30584	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
77	Chrysene	228	12.490	12.490	(1.003)	25663	2.00000	2
78	Bis(2-Ethylhexyl)phthalate	149	12.506	12.506	(1.004)	17169	2.00000	3
* 79	Perylene-d12	264	14.632	14.632	(1.000)	240193	20.0000	
80	Di-n-octylphthalate	149	13.419	13.419	(0.917)	25928	2.00000	2(M)
81	Benzo(b)fluoranthene	252	13.985	13.985	(0.956)	24038	2.00000	2
82	Benzo(k)fluoranthene	252	14.028	14.028	(0.959)	22155	2.00000	2
83	Benzo(a)pyrene	252	14.525	14.525	(0.993)	19661	2.00000	2
84	Indeno(1,2,3-cd)pyrene	276	16.630	16.630	(1.137)	19655	2.00000	2
85	Dibenzo(a,h)anthracene	278	16.683	16.683	(1.140)	18768	2.00000	2(M)
86	Benzo(g,h,i)perylene	276	17.153	17.153	(1.172)	20743	2.00000	2(M)
167	Simazine	201	9.274	9.274	(0.968)	3597	2.00000	0.4
103	1,2,4,5-Tetrachlorobenzene	216	7.105	7.105	(0.885)	12632	2.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.376	8.376	(1.044)	8315	2.00000	2
119	Pentachloronitrobenzene	237	9.412	9.412	(0.982)	4631	2.00000	2

QC Flag Legend

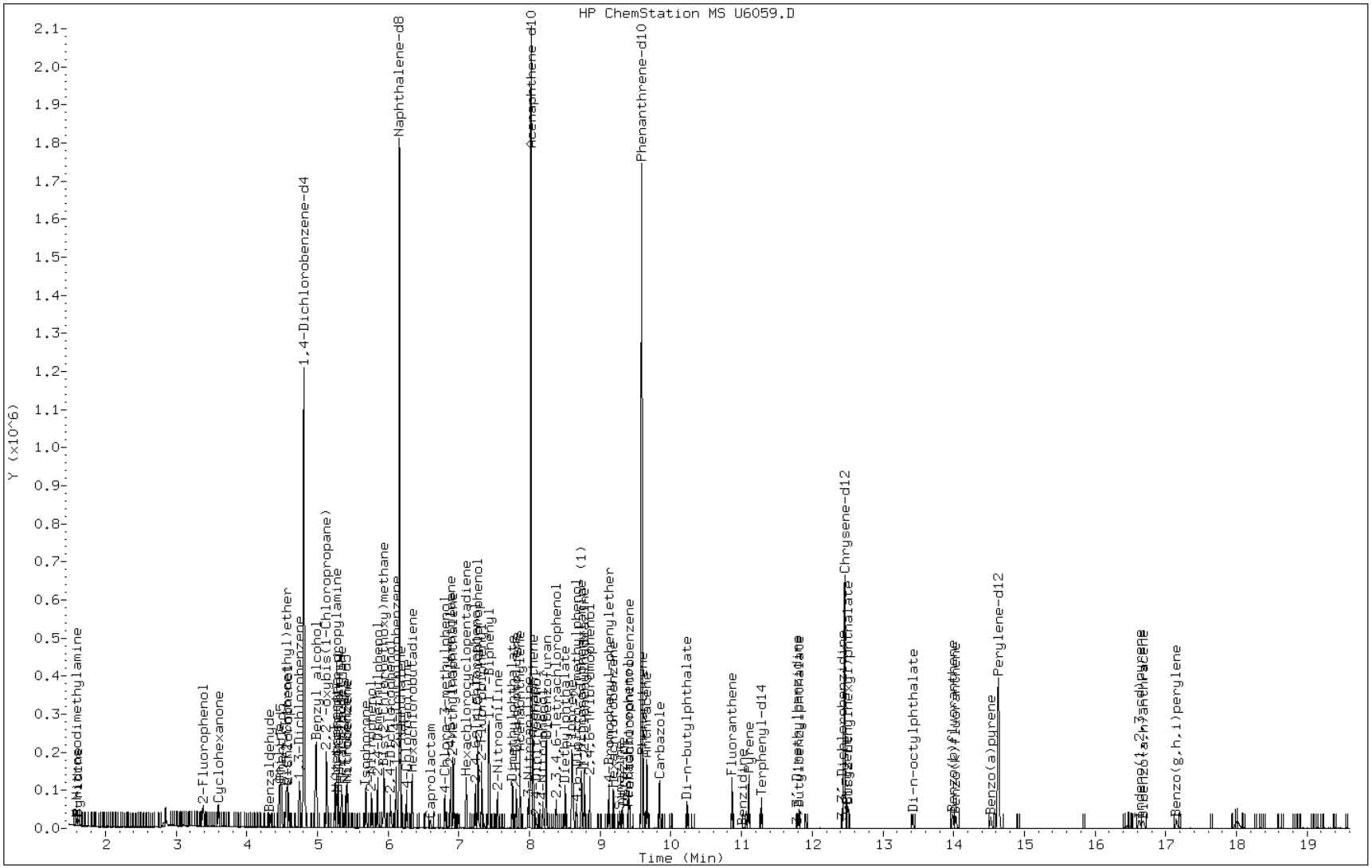
M - Compound response manually integrated.

Data File: U6059.D

Date: 28-JUL-2011 09:20

Client ID: IC-635513 Instrument: msu.i

Sample Info: IC-635513 Operator: S.Jonas



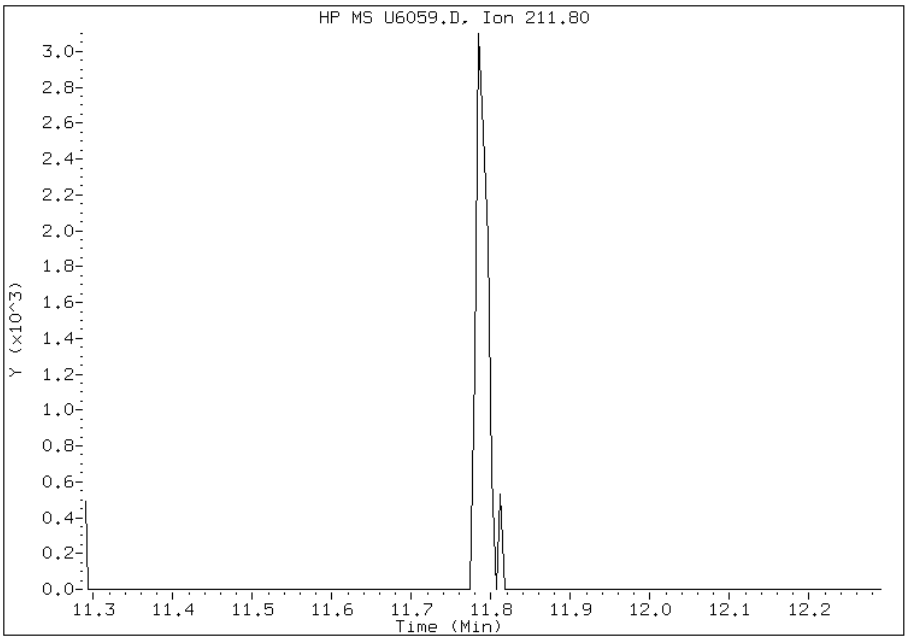
Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 124 3,3'-Dimethylbenzidine
CAS #: 119-93-7
Report Date: 08/01/2011

Processing Integration Results

Not Detected

Expected RT: 11.79



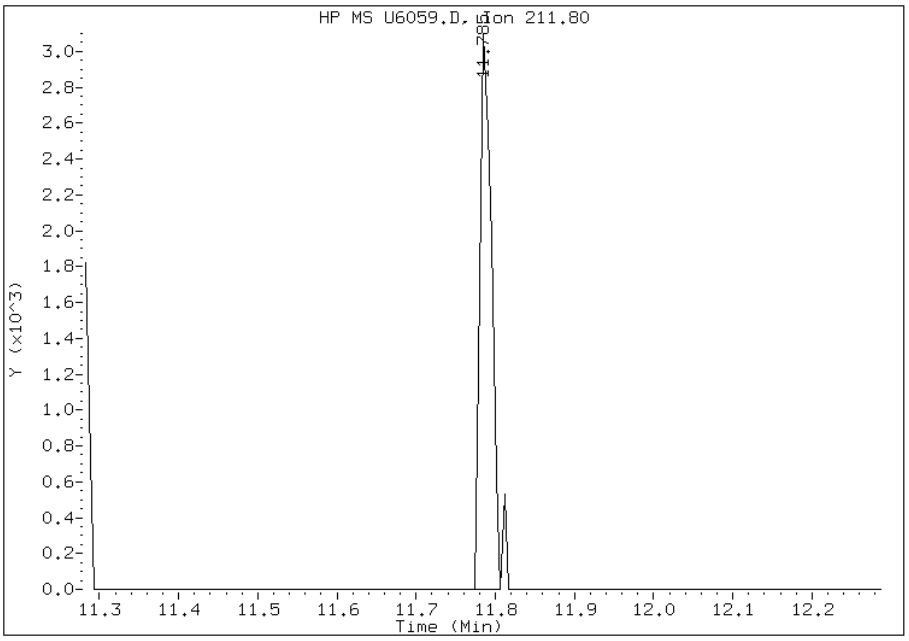
Manual Integration Results

RT: 11.78

Response: 3037

Amount: 1

Conc: 1



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

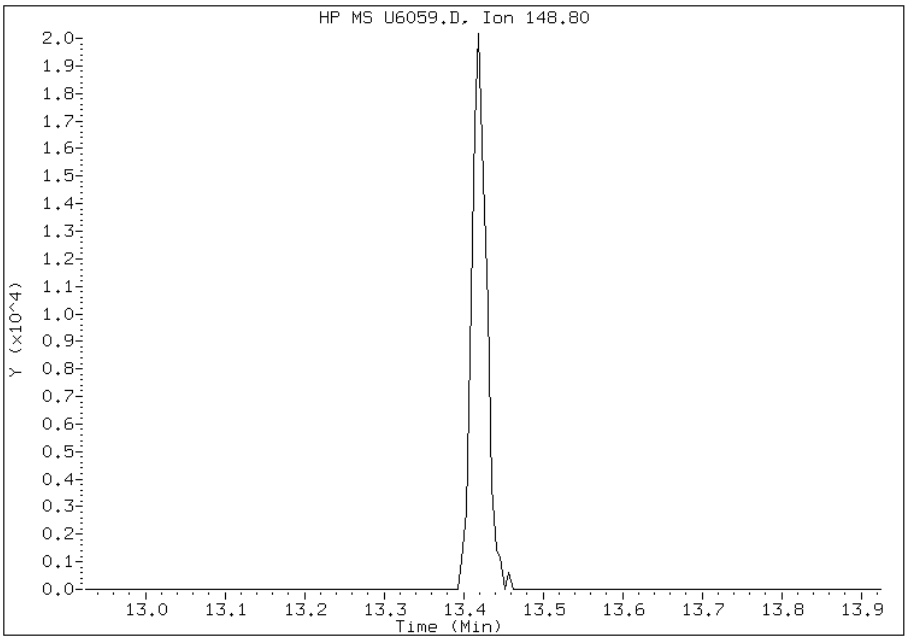
Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 08/01/2011

Processing Integration Results

Not Detected

Expected RT: 13.42



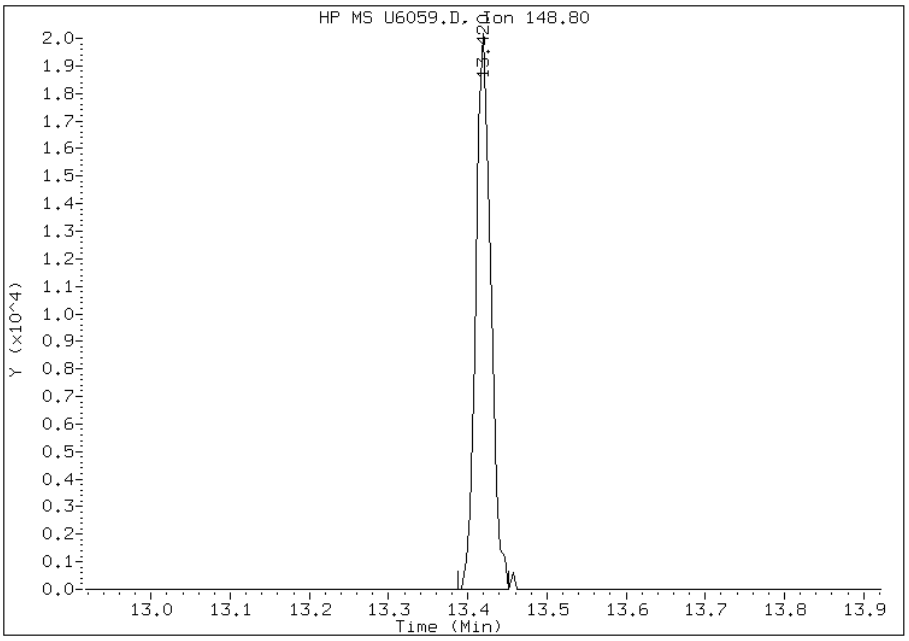
Manual Integration Results

RT: 13.42

Response: 25928

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

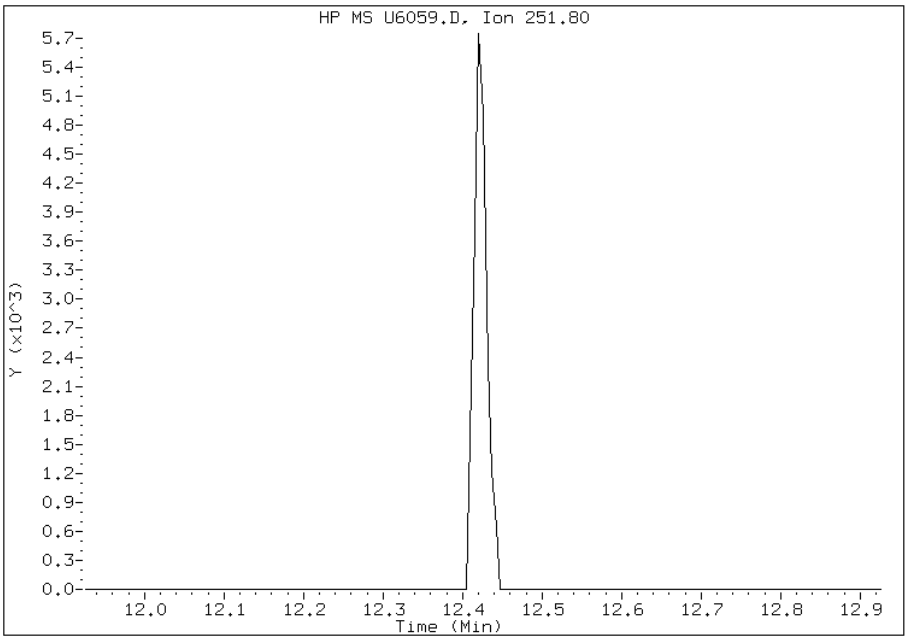
Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 75 3,3'-Dichlorobenzidine
CAS #: 91-94-1
Report Date: 08/01/2011

Processing Integration Results

Not Detected

Expected RT: 12.43



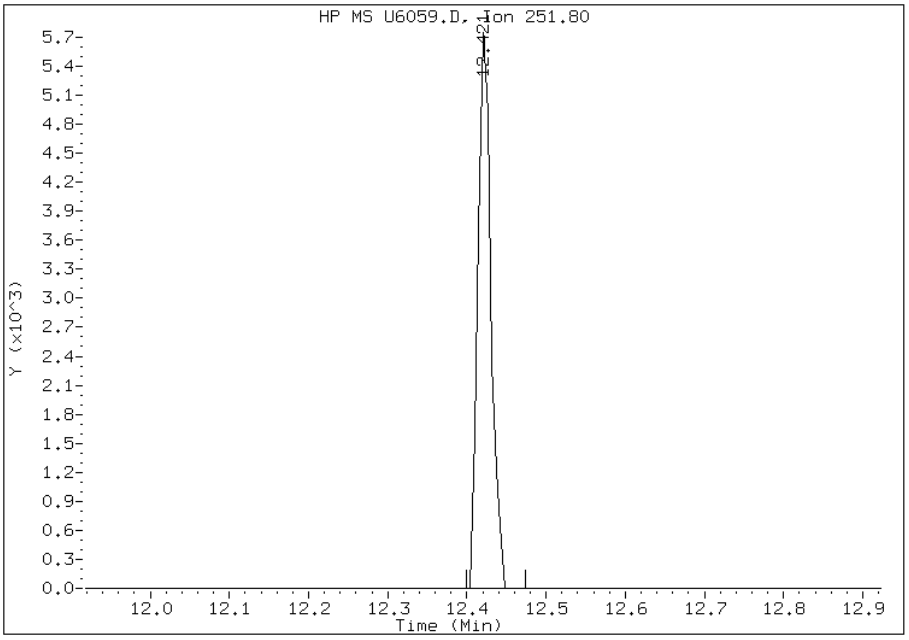
Manual Integration Results

RT: 12.42

Response: 6454

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/01/2011

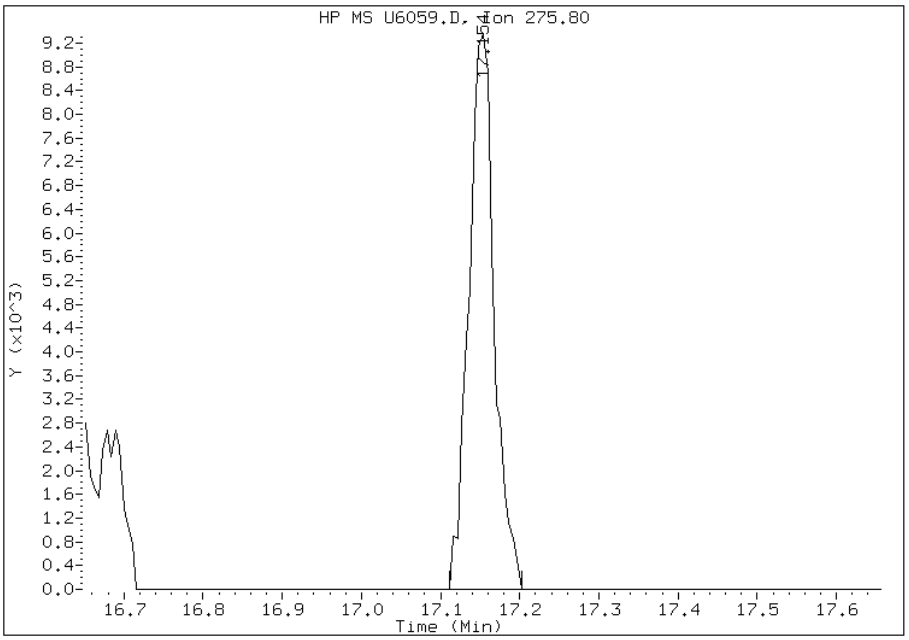
Processing Integration Results

RT: 17.15

Response: 20743

Amount: 2

Conc: 2



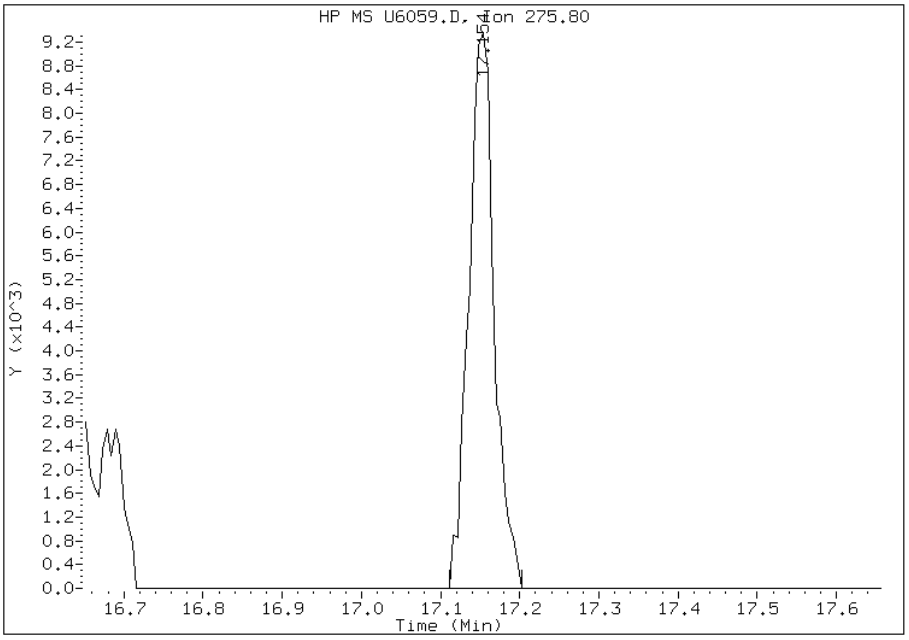
Manual Integration Results

RT: 17.15

Response: 20743

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 08/01/2011

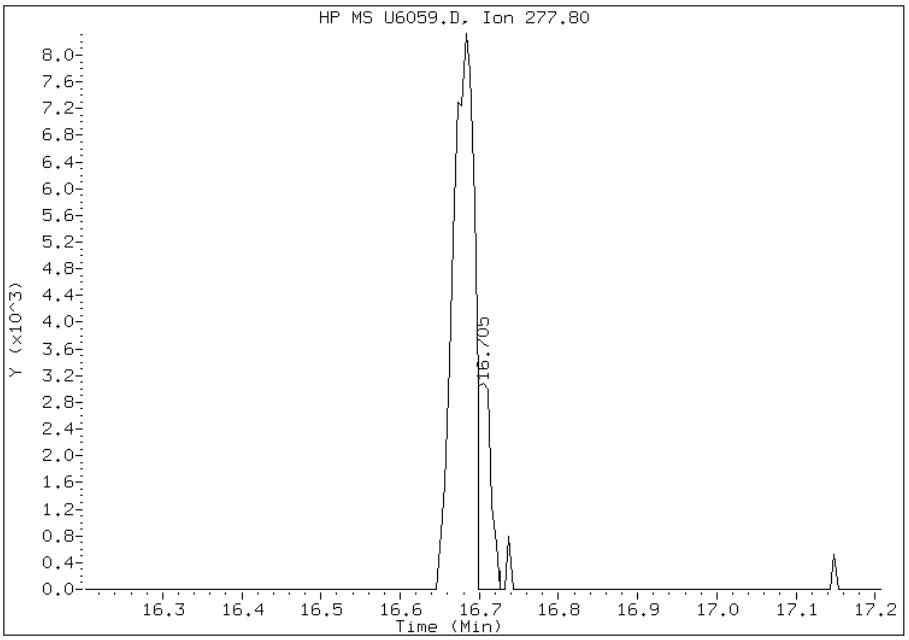
Processing Integration Results

RT: 16.71

Response: 3551

Amount: 0

Conc: 0



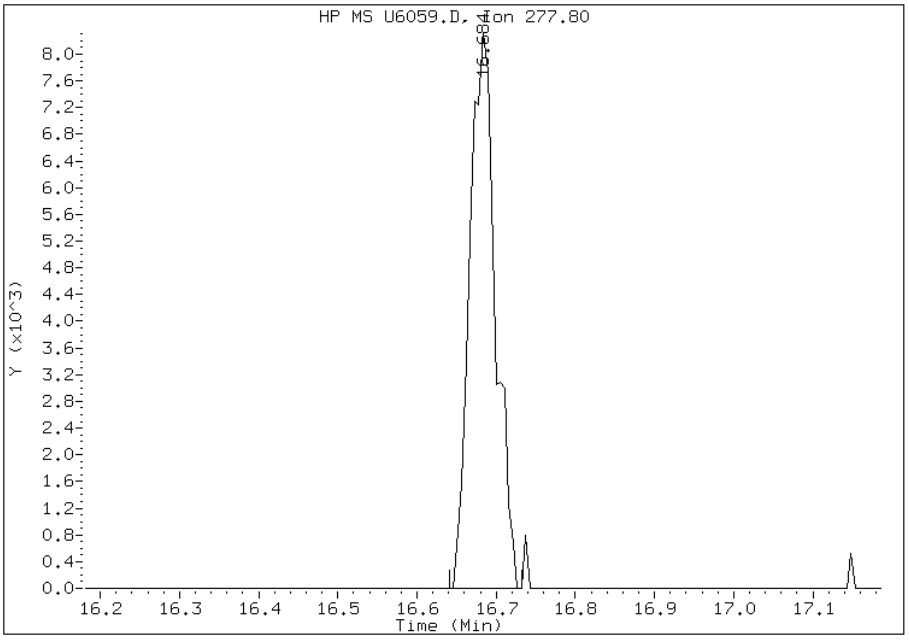
Manual Integration Results

RT: 16.68

Response: 18768

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6059.D
Inj. Date and Time: 28-JUL-2011 09:20
Instrument ID: msu.i
Client ID: IC-635513
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

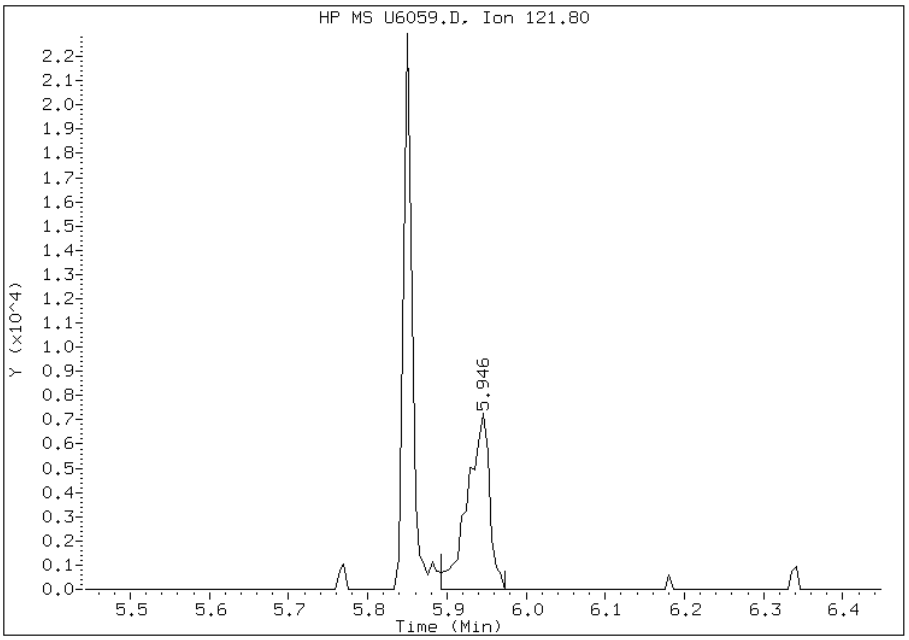
Processing Integration Results

RT: 5.95

Response: 13885

Amount: 2

Conc: 2



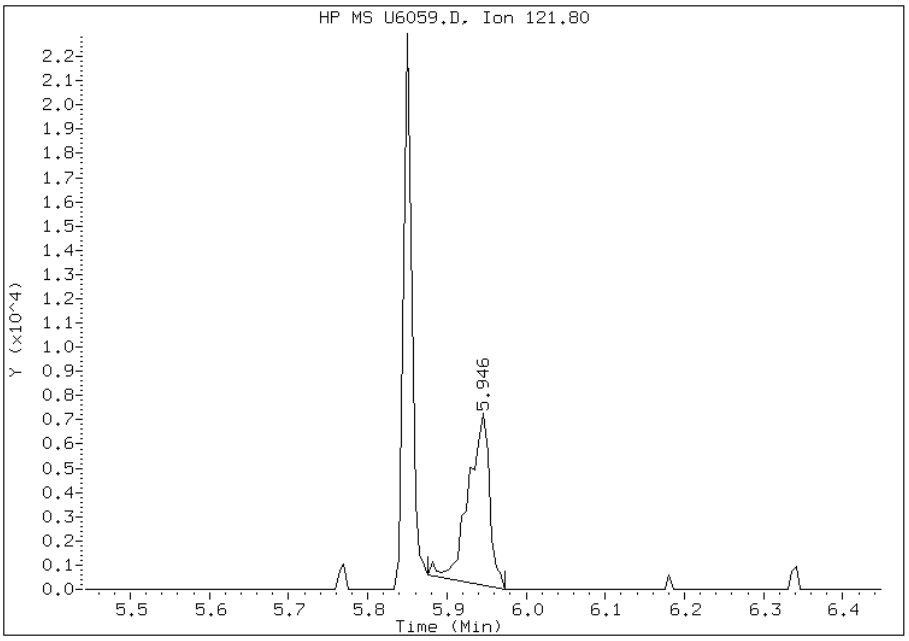
Manual Integration Results

RT: 5.95

Response: 12815

Amount: 4

Conc: 4



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6060.D
Lab Smp Id: IC-635514 Client Smp ID: IC-635514
Inj Date : 28-JUL-2011 09:50
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635514
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:36 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 09:50 Cal File: U6060.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.807	4.807	(1.000)	166465	20.0000	
$ 2	2-Fluorophenol	112	3.381	3.381	(0.703)	34533	4.00000	3
$ 3	Phenol-d5	99	4.476	4.476	(0.931)	60460	4.00000	4
4	Pyridine	52	1.613	1.613	(0.336)	8903	4.00000	3
5	N-Nitrosodimethylamine	42	1.591	1.591	(0.331)	8906	4.00000	4
6	Cyclohexanone	42	3.595	3.595	(0.748)	24206	4.00000	5
128	Benzaldehyde	77	4.321	4.321	(0.899)	33661	4.00000	6
7	Phenol	94	4.492	4.492	(0.934)	64305	4.00000	4
8	Aniline	93	4.460	4.460	(0.928)	69606	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.551	4.551	(0.947)	42403	4.00000	3
10	2-Chlorophenol	128	4.583	4.583	(0.953)	44563	4.00000	4
11	1,3-Dichlorobenzene	146	4.743	4.743	(0.987)	53280	4.00000	4
12	1,4-Dichlorobenzene	146	4.824	4.824	(1.003)	54870	4.00000	4
13	Benzyl alcohol	108	4.984	4.984	(1.037)	24048	4.00000	4
14	1,2-Dichlorobenzene	146	4.984	4.984	(1.037)	39619	4.00000	3
15	2,2'-oxybis(1-Chloropropane)	45	5.139	5.139	(1.069)	62230	4.00000	4
16	2-Methylphenol	108	5.128	5.128	(1.067)	43353	4.00000	4
92	Acetophenone	105	5.251	5.251	(1.092)	63621	4.00000	4
17	Hexachloroethane	117	5.342	5.342	(1.111)	23169	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.267	5.267	(1.096)	30824	4.00000	3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.299	5.299	(1.102)	35436	4.00000	3
*	20 Naphthalene-d8	136	6.164	6.164	(1.000)	620921	20.0000	
$	21 Nitrobenzene-d5	82	5.400	5.400	(0.876)	62371	4.00000	4
	22 Nitrobenzene	77	5.422	5.422	(0.880)	61736	4.00000	4
	23 Isophorone	82	5.684	5.684	(0.922)	99185	4.00000	5
	24 2-Nitrophenol	139	5.764	5.764	(0.935)	23881	4.00000	4
	25 2,4-Dimethylphenol	122	5.849	5.849	(0.949)	35474	4.00000	4
	26 Benzoic Acid	122	5.977	5.977	(0.970)	26275	10.0000	9(M)
	27 Bis(2-Chloroethoxy)methane	93	5.940	5.940	(0.964)	47805	4.00000	3
	28 2,4-Dichlorophenol	162	6.031	6.031	(0.978)	35671	4.00000	4
	29 1,2,4-Trichlorobenzene	180	6.111	6.111	(0.991)	49985	4.00000	4
	30 Naphthalene	128	6.180	6.180	(1.003)	132815	4.00000	4
	31 4-Chloroaniline	127	6.261	6.261	(1.016)	50312	4.00000	5
	32 Hexachlorobutadiene	225	6.341	6.341	(1.029)	30286	4.00000	4
	129 Caprolactam	113	6.608	6.608	(1.072)	6291	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.800	6.800	(1.103)	33797	4.00000	4
	34 2-Methylnaphthalene	142	6.918	6.918	(1.122)	79642	4.00000	4
*	35 Acenaphthene-d10	164	8.024	8.024	(1.000)	421244	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.886	6.886	(1.432)	39460	4.00000	4
	37 Hexachlorocyclopentadiene	237	7.105	7.105	(0.885)	19525	4.00000	3
	38 2,4,6-Trichlorophenol	196	7.233	7.233	(0.901)	28566	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.270	7.270	(0.906)	49069	10.0000	7
$	40 2-Fluorobiphenyl	172	7.324	7.324	(0.913)	87494	4.00000	3
	130 1,1'-Biphenyl	154	7.420	7.420	(0.925)	104917	4.00000	3
	41 2-Chloronaphthalene	162	7.431	7.431	(0.926)	87161	4.00000	3
	42 2-Nitroaniline	65	7.548	7.548	(0.941)	28172	4.00000	4
	43 Acenaphthylene	152	7.863	7.863	(0.980)	130734	4.00000	4
	44 Dimethylphthalate	163	7.762	7.762	(0.967)	80574	4.00000	4
	45 2,6-Dinitrotoluene	165	7.810	7.810	(0.973)	15307	4.00000	3
	46 Acenaphthene	153	8.056	8.056	(1.004)	86883	4.00000	4
	47 3-Nitroaniline	138	7.986	7.986	(0.995)	18839	4.00000	4
	48 2,4-Dinitrophenol	184	8.093	8.093	(1.009)	9866	10.0000	9
	49 Dibenzofuran	168	8.237	8.237	(1.027)	105970	4.00000	3
	50 2,4-Dinitrotoluene	165	8.237	8.237	(1.027)	21479	4.00000	3
	51 4-Nitrophenol	109	8.189	8.189	(1.021)	19037	10.0000	8
	52 Fluorene	166	8.600	8.600	(1.072)	81883	4.00000	3
	53 4-Chlorophenyl-phenylether	204	8.611	8.611	(1.073)	48834	4.00000	3
	54 Diethylphthalate	149	8.510	8.510	(1.061)	68332	4.00000	4
	55 4-Nitroaniline	138	8.622	8.622	(1.075)	15012	4.00000	5
$	56 2,4,6-Tribromophenol	330	8.857	8.857	(1.104)	22745	10.0000	9
*	57 Phenanthrene-d10	188	9.589	9.589	(1.000)	531179	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.665	8.665	(0.904)	23357	10.0000	10
	59 N-Nitrosodiphenylamine (1)	169	8.734	8.734	(0.911)	58396	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.777	8.777	(0.915)	117270	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.124	9.124	(0.952)	24875	4.00000	4
	131 Atrazine	200	9.311	9.311	(0.971)	13583	4.00000	4
	62 Hexachlorobenzene	284	9.188	9.188	(0.958)	22935	4.00000	4
	63 Pentachlorophenol	266	9.396	9.396	(0.980)	19076	10.0000	7
	64 Phenanthrene	178	9.610	9.610	(1.002)	119800	4.00000	4
	65 Carbazole	167	9.840	9.840	(1.026)	92542	4.00000	4
	66 Anthracene	178	9.658	9.658	(1.007)	121091	4.00000	4
	67 Di-n-butylphthalate	149	10.230	10.230	(1.067)	63847	4.00000	3
	68 Fluoranthene	202	10.866	10.866	(1.133)	106176	4.00000	4
*	70 Chrysene-d12	240	12.458	12.458	(1.000)	247018	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	72 Pyrene	202	11.101	11.101	(0.891)	103769	4.00000	5
$	73 Terphenyl-d14	244	11.277	11.277	(0.905)	53327	4.00000	5
	74 Butylbenzylphthalate	149	11.806	11.806	(0.948)	24272	4.00000	6
	75 3,3'-Dichlorobenzidine	252	12.420	12.420	(0.997)	13982	4.00000	4
	76 Benzo(a)anthracene	228	12.442	12.442	(0.999)	56390	4.00000	4
	77 Chrysene	228	12.484	12.484	(1.002)	57163	4.00000	4
	78 Bis(2-Ethylhexyl)phthalate	149	12.506	12.506	(1.004)	32318	4.00000	5
*	79 Perylene-d12	264	14.632	14.632	(1.000)	234982	20.0000	
	80 Di-n-octylphthalate	149	13.414	13.414	(0.917)	51349	4.00000	4(M)
	81 Benzo(b)fluoranthene	252	13.985	13.985	(0.956)	45112	4.00000	4
	82 Benzo(k)fluoranthene	252	14.028	14.028	(0.959)	41579	4.00000	3
	83 Benzo(a)pyrene	252	14.525	14.525	(0.993)	38854	4.00000	4
	84 Indeno(1,2,3-cd)pyrene	276	16.625	16.625	(1.136)	36355	4.00000	4(M)
	85 Dibenzo(a,h)anthracene	278	16.683	16.683	(1.140)	38109	4.00000	3
	86 Benzo(g,h,i)perylene	276	17.153	17.153	(1.172)	39764	4.00000	4
	167 Simazine	201	9.279	9.279	(0.968)	6553	0.80000	0.8
	103 1,2,4,5-Tetrachlorobenzene	216	7.105	7.105	(0.885)	23311	5.00000	5
	109 2,3,4,6-Tetrachlorophenol	232	8.376	8.376	(1.044)	18422	5.00000	4
	119 Pentachloronitrobenzene	237	9.412	9.412	(0.982)	10129	5.00000	5

QC Flag Legend

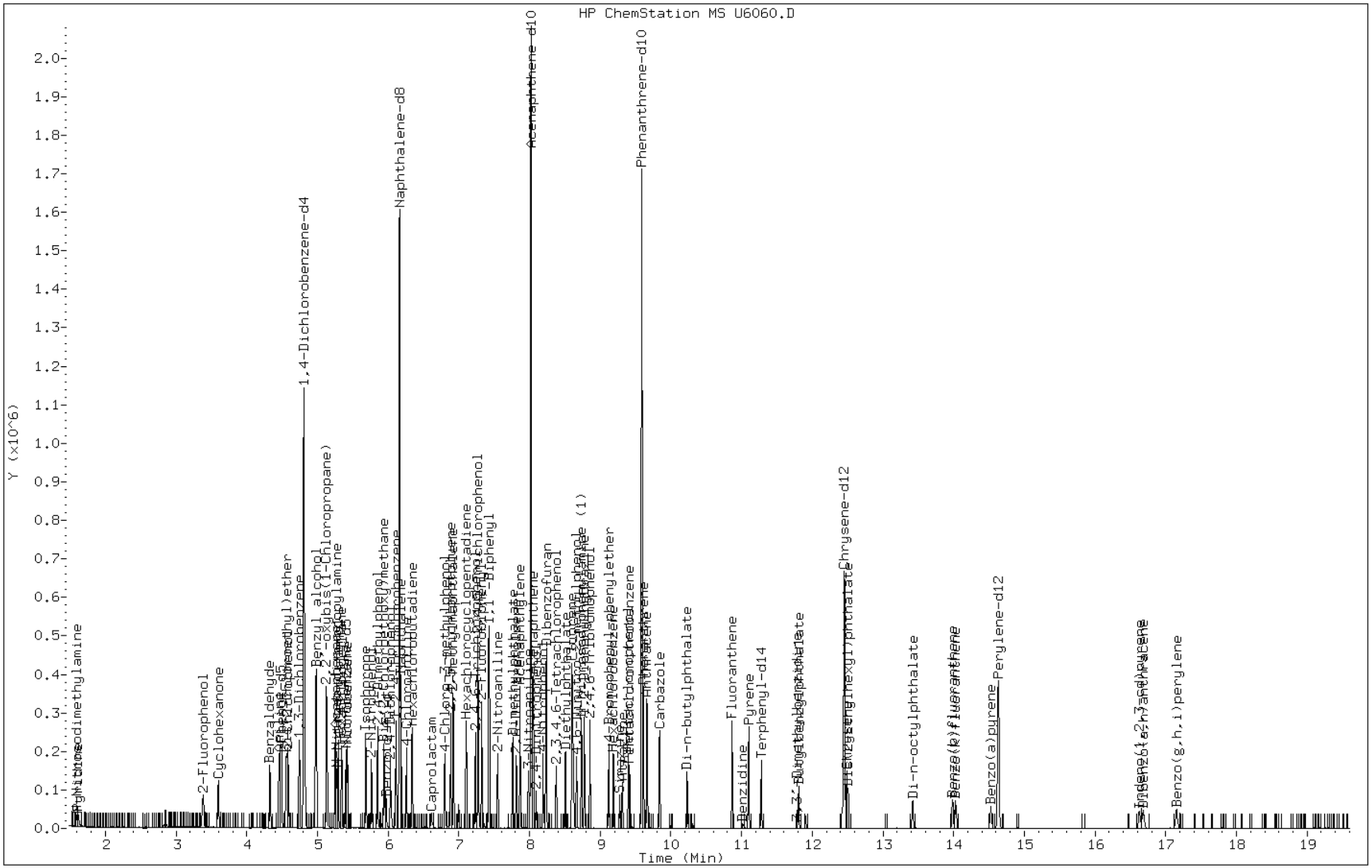
M - Compound response manually integrated.

Data File: U6060.D

Date: 28-JUL-2011 09:50

Client ID: IC-635514 Instrument: msu.i

Sample Info: IC-635514 Operator: S.Jonas



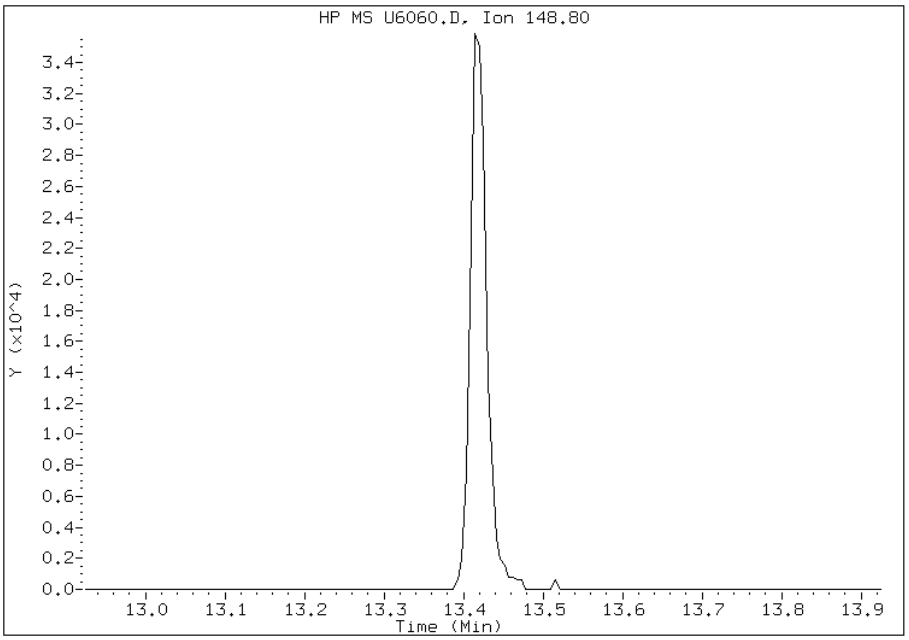
Manual Integration Report

Data File: U6060.D
Inj. Date and Time: 28-JUL-2011 09:50
Instrument ID: msu.i
Client ID: IC-635514
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 07/28/2011

Processing Integration Results

Not Detected

Expected RT: 13.42



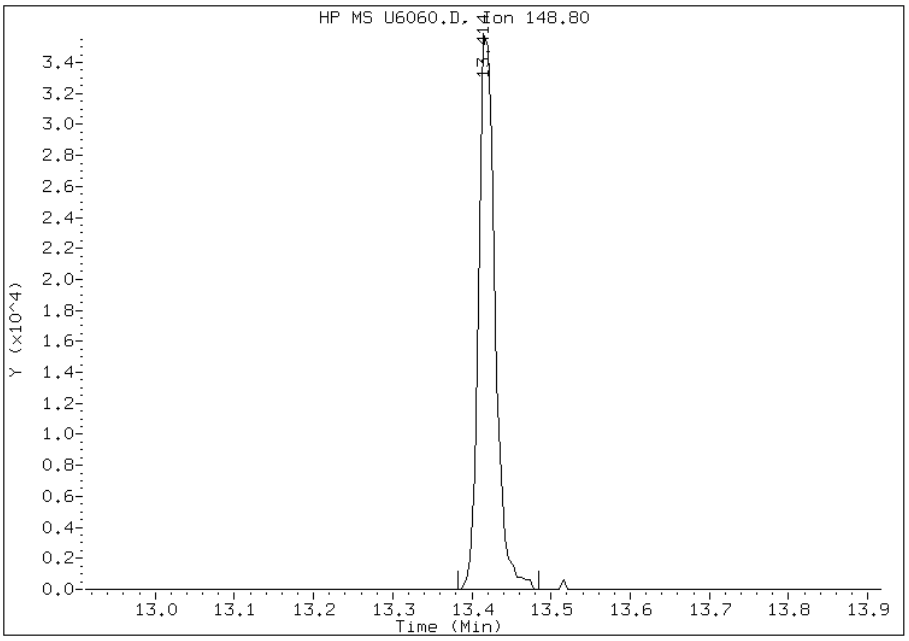
Manual Integration Results

RT: 13.41

Response: 51349

Amount: 4

Conc: 4



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

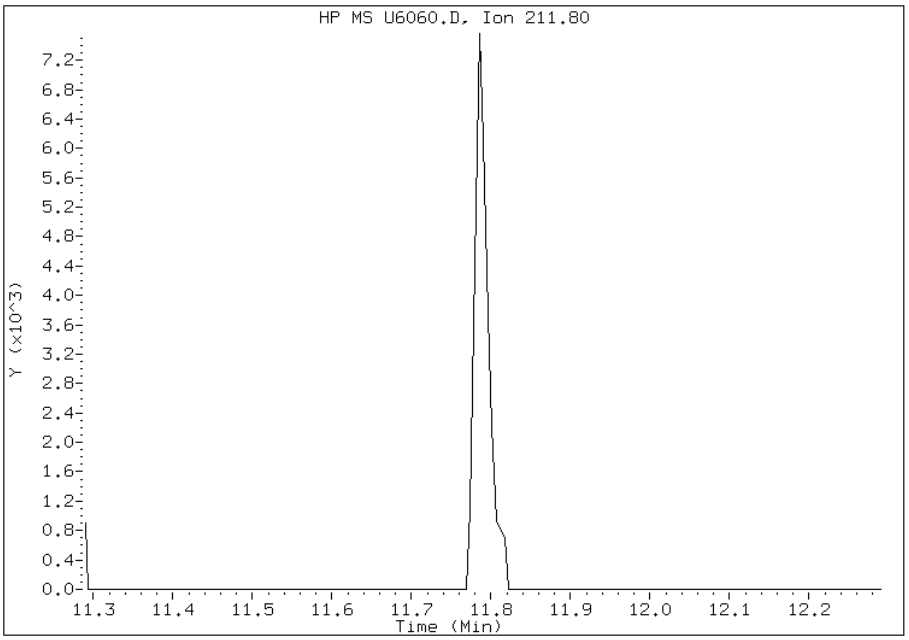
Manual Integration Report

Data File: U6060.D
Inj. Date and Time: 28-JUL-2011 09:50
Instrument ID: msu.i
Client ID: IC-635514
Compound: 124 3,3'-Dimethylbenzidine
CAS #: 119-93-7
Report Date: 07/28/2011

Processing Integration Results

Not Detected

Expected RT: 11.79



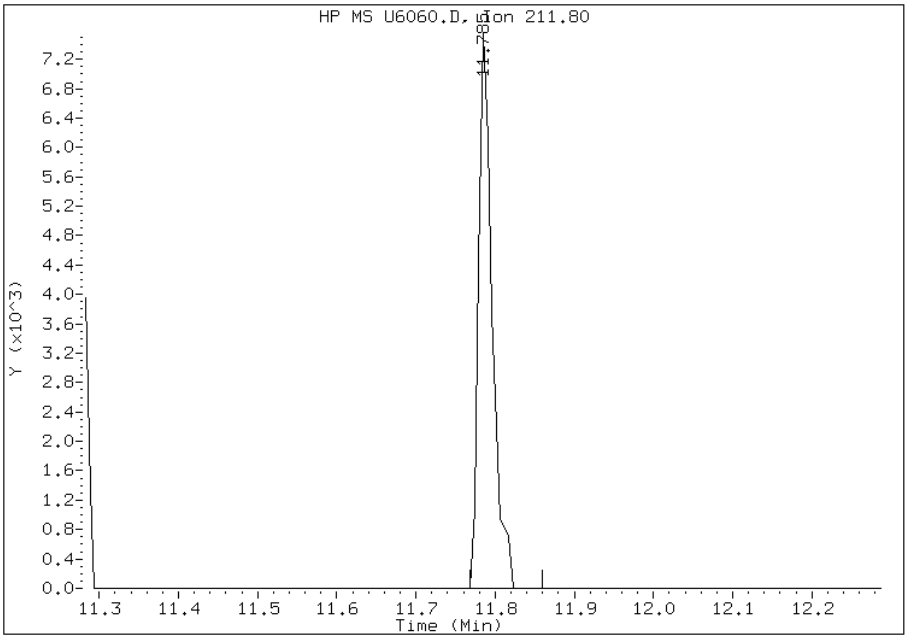
Manual Integration Results

RT: 11.78

Response: 8860

Amount: 4

Conc: 4



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: U6060.D
Inj. Date and Time: 28-JUL-2011 09:50
Instrument ID: msu.i
Client ID: IC-635514
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 07/28/2011

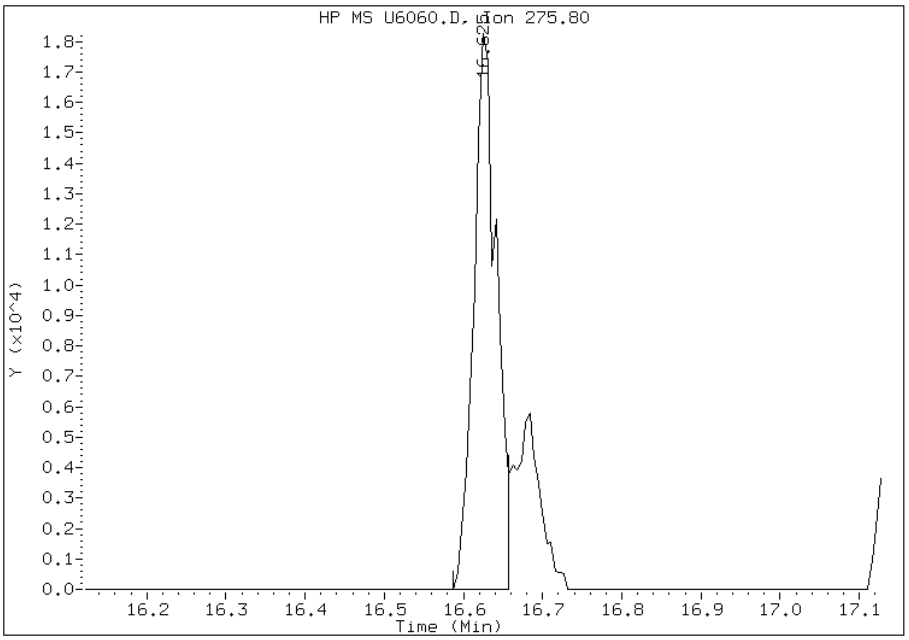
Processing Integration Results

RT: 16.63

Response: 36355

Amount: 4

Conc: 4



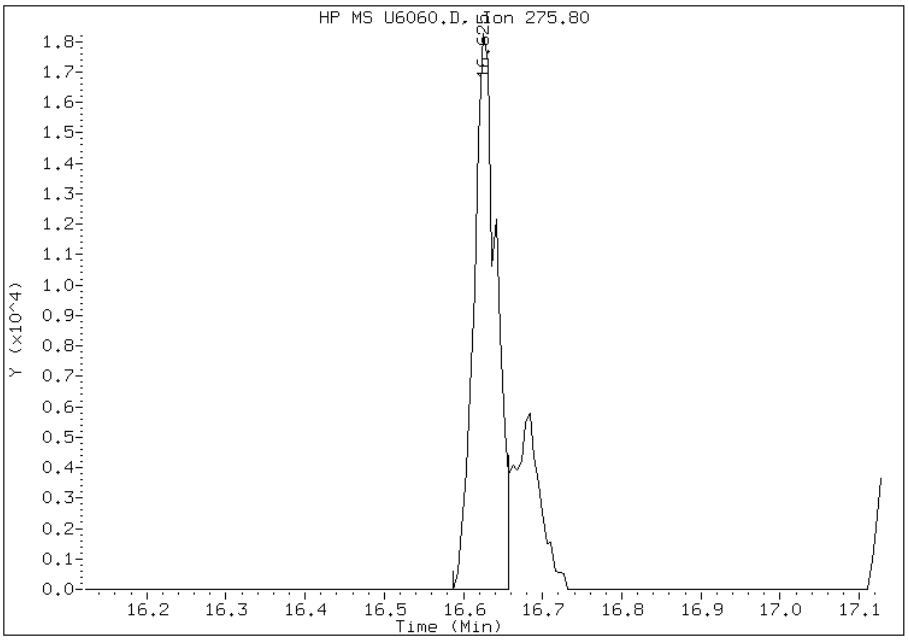
Manual Integration Results

RT: 16.63

Response: 36355

Amount: 4

Conc: 4



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6060.D
Inj. Date and Time: 28-JUL-2011 09:50
Instrument ID: msu.i
Client ID: IC-635514
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/28/2011

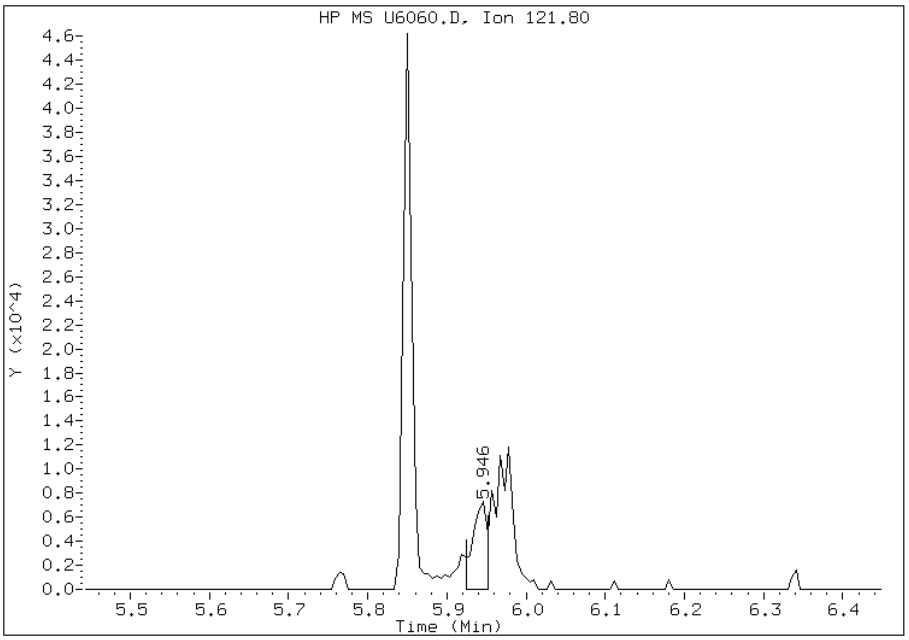
Processing Integration Results

RT: 5.95

Response: 9285

Amount: 3

Conc: 3



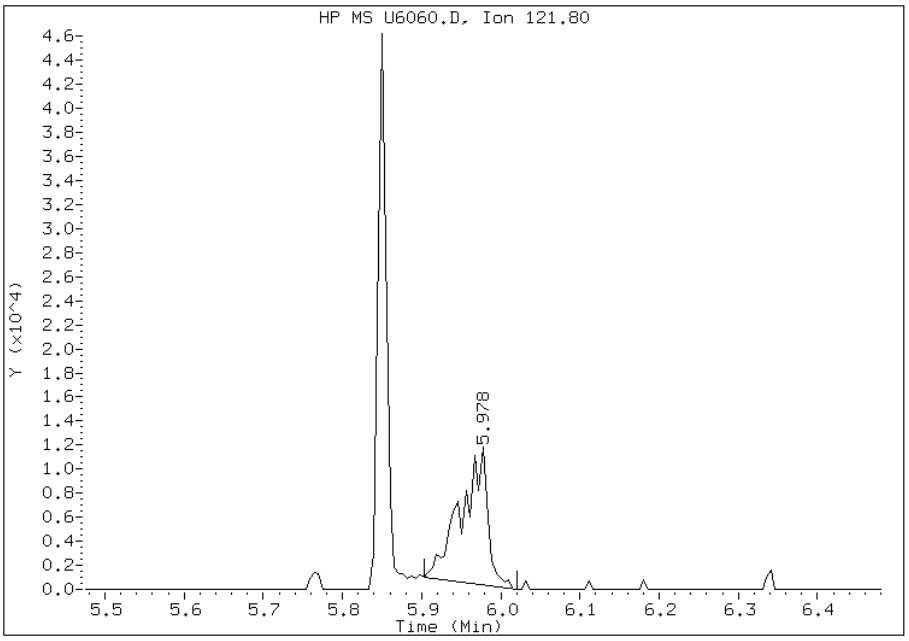
Manual Integration Results

RT: 5.98

Response: 26275

Amount: 9

Conc: 9



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6061.D
Lab Smp Id: IC-635515 Client Smp ID: IC-635515
Inj Date : 28-JUL-2011 10:19
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635515
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:36 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 10:19 Cal File: U6061.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.807	4.807	(1.000)	152785	20.0000	
$ 2	2-Fluorophenol	112	3.381	3.381	(0.703)	99575	10.0000	10
$ 3	Phenol-d5	99	4.481	4.481	(0.932)	127542	10.0000	9
4	Pyridine	52	1.602	1.602	(0.333)	27010	10.0000	11
5	N-Nitrosodimethylamine	42	1.586	1.586	(0.330)	21743	10.0000	10
6	Cyclohexanone	42	3.589	3.589	(0.747)	46638	10.0000	11
128	Benzaldehyde	77	4.326	4.326	(0.900)	82463	10.0000	16
7	Phenol	94	4.497	4.497	(0.936)	130012	10.0000	8
8	Aniline	93	4.460	4.460	(0.928)	146464	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.556	4.556	(0.948)	99428	10.0000	9
10	2-Chlorophenol	128	4.583	4.583	(0.953)	107001	10.0000	10
11	1,3-Dichlorobenzene	146	4.743	4.743	(0.987)	120867	10.0000	9
12	1,4-Dichlorobenzene	146	4.823	4.823	(1.003)	123157	10.0000	9
13	Benzyl alcohol	108	4.984	4.984	(1.037)	59849	10.0000	11
14	1,2-Dichlorobenzene	146	4.984	4.984	(1.037)	103062	10.0000	8
15	2,2'-oxybis(1-Chloropropane)	45	5.138	5.138	(1.069)	138558	10.0000	10
16	2-Methylphenol	108	5.133	5.133	(1.068)	100413	10.0000	10
92	Acetophenone	105	5.251	5.251	(1.092)	153230	10.0000	10
17	Hexachloroethane	117	5.336	5.336	(1.110)	49332	10.0000	8
18	N-Nitroso-di-n-propylamine	70	5.272	5.272	(1.097)	86965	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.293	5.293	(1.101)	101959	10.0000	10
*	20 Naphthalene-d8	136	6.164	6.164	(1.000)	641489	20.0000	
$	21 Nitrobenzene-d5	82	5.400	5.400	(0.876)	137417	10.0000	9
	22 Nitrobenzene	77	5.422	5.422	(0.880)	141389	10.0000	9
	23 Isophorone	82	5.683	5.683	(0.922)	192983	10.0000	9
	24 2-Nitrophenol	139	5.764	5.764	(0.935)	55880	10.0000	9
	25 2,4-Dimethylphenol	122	5.854	5.854	(0.950)	76820	10.0000	9
	26 Benzoic Acid	122	6.025	6.025	(0.977)	89816	25.0000	28(M)
	27 Bis(2-Chloroethoxy)methane	93	5.940	5.940	(0.964)	138580	10.0000	10
	28 2,4-Dichlorophenol	162	6.031	6.031	(0.978)	88486	10.0000	10
	29 1,2,4-Trichlorobenzene	180	6.111	6.111	(0.991)	115198	10.0000	10
	30 Naphthalene	128	6.180	6.180	(1.003)	315296	10.0000	9
	31 4-Chloroaniline	127	6.260	6.260	(1.016)	118501	10.0000	10
	32 Hexachlorobutadiene	225	6.341	6.341	(1.029)	68713	10.0000	9
	129 Caprolactam	113	6.629	6.629	(1.075)	15800	10.0000	10(M)
	33 4-Chloro-3-methylphenol	107	6.800	6.800	(1.103)	89118	10.0000	10
	34 2-Methylnaphthalene	142	6.923	6.923	(1.123)	196957	10.0000	10
*	35 Acenaphthene-d10	164	8.018	8.018	(1.000)	317367	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.885	6.885	(1.432)	86529	10.0000	9
	37 Hexachlorocyclopentadiene	237	7.104	7.104	(0.886)	49330	10.0000	10
	38 2,4,6-Trichlorophenol	196	7.233	7.233	(0.902)	60819	10.0000	11
	39 2,4,5-Trichlorophenol	196	7.270	7.270	(0.907)	160630	25.0000	29
$	40 2-Fluorobiphenyl	172	7.318	7.318	(0.913)	175538	10.0000	9
	130 1,1'-Biphenyl	154	7.425	7.425	(0.926)	240875	10.0000	10
	41 2-Chloronaphthalene	162	7.430	7.430	(0.927)	199126	10.0000	10
	42 2-Nitroaniline	65	7.548	7.548	(0.941)	62986	10.0000	11
	43 Acenaphthylene	152	7.863	7.863	(0.981)	247031	10.0000	9
	44 Dimethylphthalate	163	7.762	7.762	(0.968)	154210	10.0000	9
	45 2,6-Dinitrotoluene	165	7.815	7.815	(0.975)	42947	10.0000	11
	46 Acenaphthene	153	8.055	8.055	(1.005)	186003	10.0000	10
	47 3-Nitroaniline	138	7.986	7.986	(0.996)	42097	10.0000	11
	48 2,4-Dinitrophenol	184	8.098	8.098	(1.010)	41052	25.0000	24
	49 Dibenzofuran	168	8.237	8.237	(1.027)	264505	10.0000	11
	50 2,4-Dinitrotoluene	165	8.237	8.237	(1.027)	56046	10.0000	11
	51 4-Nitrophenol	109	8.200	8.200	(1.023)	46641	25.0000	25
	52 Fluorene	166	8.600	8.600	(1.073)	198144	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.611	8.611	(1.074)	109083	10.0000	10
	54 Diethylphthalate	149	8.509	8.509	(1.061)	158512	10.0000	10
	55 4-Nitroaniline	138	8.632	8.632	(1.077)	34979	10.0000	13(H)
$	56 2,4,6-Tribromophenol	330	8.857	8.857	(1.105)	54551	25.0000	29
*	57 Phenanthrene-d10	188	9.589	9.589	(1.000)	469349	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.670	8.670	(0.904)	62961	25.0000	24
	59 N-Nitrosodiphenylamine (1)	169	8.739	8.739	(0.911)	121286	10.0000	9
	60 1,2-Diphenylhydrazine	77	8.777	8.777	(0.915)	259321	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.124	9.124	(0.952)	51028	10.0000	10
	131 Atrazine	200	9.316	9.316	(0.972)	29473	10.0000	10
	62 Hexachlorobenzene	284	9.188	9.188	(0.958)	52620	10.0000	10
	63 Pentachlorophenol	266	9.402	9.402	(0.981)	51014	25.0000	22
	64 Phenanthrene	178	9.610	9.610	(1.002)	254943	10.0000	10
	65 Carbazole	167	9.840	9.840	(1.026)	206907	10.0000	11
	66 Anthracene	178	9.663	9.663	(1.008)	273261	10.0000	10
	67 Di-n-butylphthalate	149	10.230	10.230	(1.067)	168721	10.0000	10
	68 Fluoranthene	202	10.865	10.865	(1.133)	234826	10.0000	11
*	70 Chrysene-d12	240	12.457	12.457	(1.000)	251317	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	11.015	11.015	(0.884)	22742	10.0000	11
72	Pyrene	202	11.100	11.100	(0.891)	234221	10.0000	11
$ 73	Terphenyl-d14	244	11.277	11.277	(0.905)	121952	10.0000	10
74	Butylbenzylphthalate	149	11.806	11.806	(0.948)	57978	10.0000	10
124	3,3'-Dimethylbenzidine	212	11.784	11.784	(0.946)	23238	10.0000	10
75	3,3'-Dichlorobenzidine	252	12.420	12.420	(0.997)	39355	10.0000	10
76	Benzo(a)anthracene	228	12.441	12.441	(0.999)	132408	10.0000	9
77	Chrysene	228	12.489	12.489	(1.003)	127488	10.0000	9
78	Bis(2-Ethylhexyl)phthalate	149	12.505	12.505	(1.004)	77133	10.0000	9
* 79	Perylene-d12	264	14.632	14.632	(1.000)	237271	20.0000	
80	Di-n-octylphthalate	149	13.419	13.419	(0.917)	136614	10.0000	9
81	Benzo(b)fluoranthene	252	13.985	13.985	(0.956)	114364	10.0000	9
82	Benzo(k)fluoranthene	252	14.033	14.033	(0.959)	122251	10.0000	10
83	Benzo(a)pyrene	252	14.525	14.525	(0.993)	105503	10.0000	11
84	Indeno(1,2,3-cd)pyrene	276	16.624	16.624	(1.136)	102479	10.0000	11
85	Dibenzo(a,h)anthracene	278	16.683	16.683	(1.140)	105617	10.0000	10
86	Benzo(g,h,i)perylene	276	17.153	17.153	(1.172)	105313	10.0000	9
167	Simazine	201	9.279	9.279	(0.968)	19376	2.00000	3
103	1,2,4,5-Tetrachlorobenzene	216	7.104	7.104	(0.886)	51848	10.0000	12
109	2,3,4,6-Tetrachlorophenol	232	8.381	8.381	(1.045)	44226	10.0000	11
119	Pentachloronitrobenzene	237	9.412	9.412	(0.982)	20279	10.0000	10

QC Flag Legend

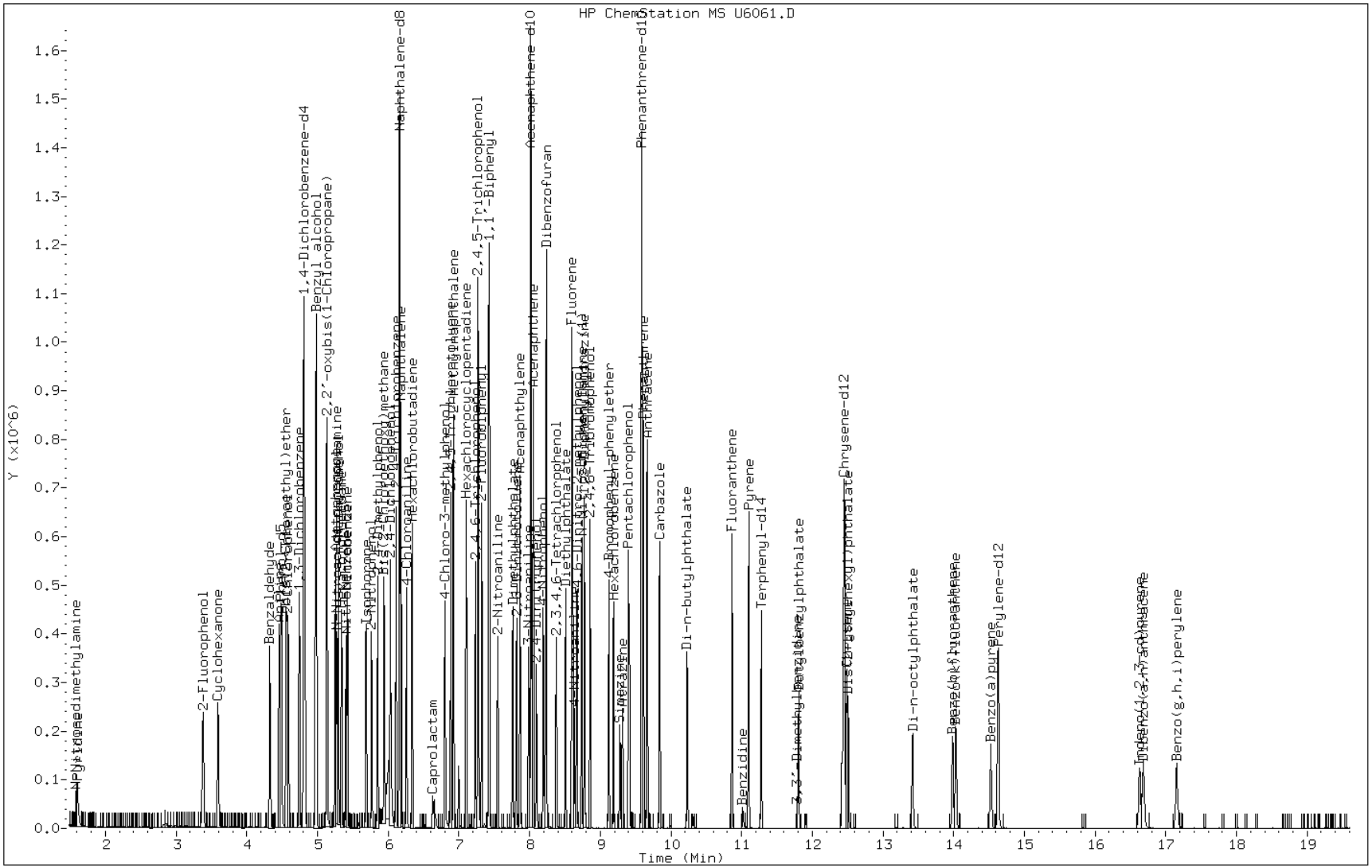
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: U6061.D

Date: 28-JUL-2011 10:19

Client ID: IC-635515 Instrument: msu.i

Sample Info: IC-635515 Operator: S.Jonas



Manual Integration Report

Data File: U6061.D
Inj. Date and Time: 28-JUL-2011 10:19
Instrument ID: msu.i
Client ID: IC-635515
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/28/2011

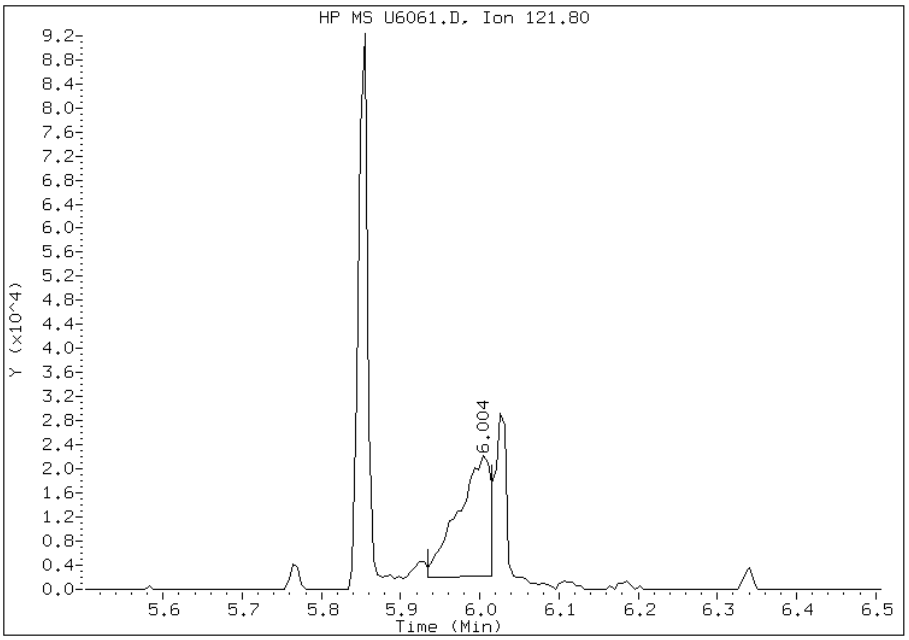
Processing Integration Results

RT: 6.00

Response: 57804

Amount: 17

Conc: 17



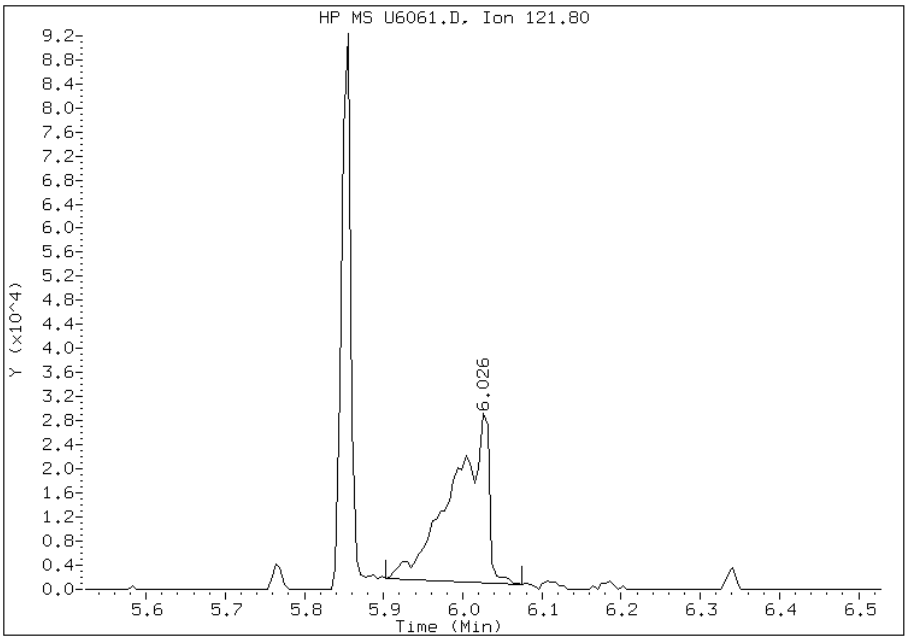
Manual Integration Results

RT: 6.03

Response: 89816

Amount: 28

Conc: 28



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6061.D
Inj. Date and Time: 28-JUL-2011 10:19
Instrument ID: msu.i
Client ID: IC-635515
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/28/2011

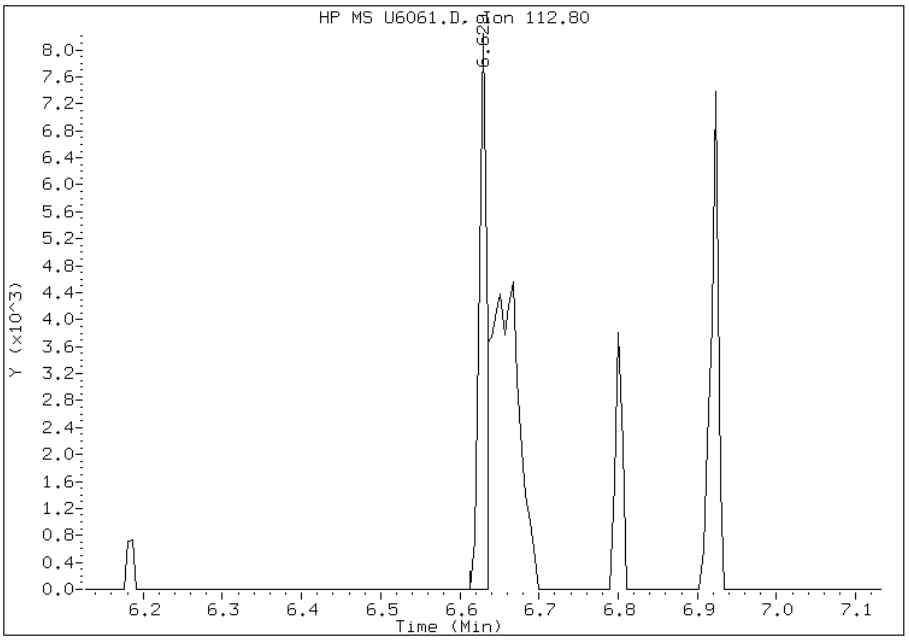
Processing Integration Results

RT: 6.63

Response: 5226

Amount: 3

Conc: 3



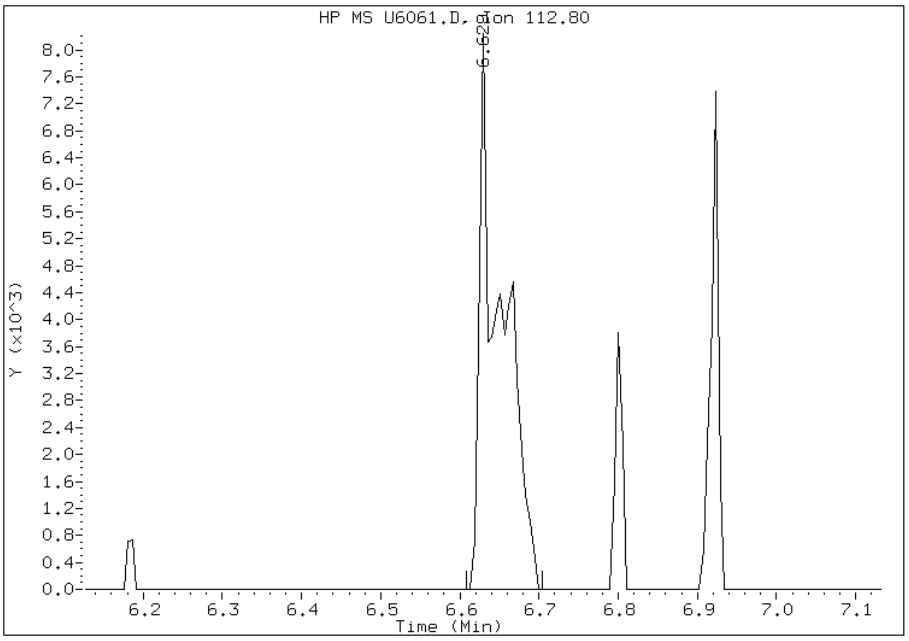
Manual Integration Results

RT: 6.63

Response: 15800

Amount: 10

Conc: 10



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6062.D
Lab Smp Id: IC-635516 Client Smp ID: IC-635516
Inj Date : 28-JUL-2011 10:48
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635516
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:54 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 10:48 Cal File: U6062.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.807	4.813	(1.000)	151650	20.0000	
$ 2	2-Fluorophenol	112	3.381	3.392	(0.703)	194856	20.0000	20
$ 3	Phenol-d5	99	4.487	4.514	(0.933)	285261	20.0000	20
4	Pyridine	52	1.602	1.602	(0.333)	55256	20.0000	20(M)
5	N-Nitrosodimethylamine	42	1.586	1.597	(0.330)	43630	20.0000	20
6	Cyclohexanone	42	3.589	3.595	(0.747)	81074	20.0000	19
128	Benzaldehyde	77	4.326	4.332	(0.900)	130925	20.0000	25
7	Phenol	94	4.503	4.530	(0.937)	295267	20.0000	19
8	Aniline	93	4.465	4.476	(0.929)	284306	20.0000	19
9	bis(2-Chloroethyl)ether	63	4.562	4.572	(0.949)	194570	20.0000	19
10	2-Chlorophenol	128	4.588	4.604	(0.954)	220259	20.0000	20
11	1,3-Dichlorobenzene	146	4.743	4.754	(0.987)	245289	20.0000	19
12	1,4-Dichlorobenzene	146	4.823	4.834	(1.003)	242410	20.0000	19
13	Benzyl alcohol	108	4.989	5.010	(1.038)	114941	20.0000	21
14	1,2-Dichlorobenzene	146	4.984	4.994	(1.037)	241450	20.0000	21
15	2,2'-oxybis(1-Chloropropane)	45	5.144	5.144	(1.070)	238622	20.0000	17
16	2-Methylphenol	108	5.138	5.155	(1.069)	201249	20.0000	19
92	Acetophenone	105	5.256	5.277	(1.093)	309281	20.0000	20
17	Hexachloroethane	117	5.342	5.347	(1.111)	119595	20.0000	21
18	N-Nitroso-di-n-propylamine	70	5.283	5.304	(1.099)	166784	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.304	5.326	(1.103)	207382	20.0000	21
*	20 Naphthalene-d8	136	6.164	6.170	(1.000)	627687	20.0000	
$	21 Nitrobenzene-d5	82	5.406	5.427	(0.877)	260732	20.0000	18
	22 Nitrobenzene	77	5.427	5.448	(0.880)	290753	20.0000	20
	23 Isophorone	82	5.694	5.716	(0.924)	411985	20.0000	19
	24 2-Nitrophenol	139	5.769	5.780	(0.936)	119332	20.0000	20
	25 2,4-Dimethylphenol	122	5.860	5.876	(0.951)	158348	20.0000	18
	26 Benzoic Acid	122	6.047	6.100	(0.981)	126480	30.0000	31(M)
	27 Bis(2-Chloroethoxy)methane	93	5.945	5.961	(0.964)	281716	20.0000	20
	28 2,4-Dichlorophenol	162	6.036	6.052	(0.979)	177941	20.0000	20
	29 1,2,4-Trichlorobenzene	180	6.116	6.122	(0.992)	197998	20.0000	17
	30 Naphthalene	128	6.186	6.196	(1.003)	630318	20.0000	19
	31 4-Chloroaniline	127	6.260	6.276	(1.016)	226762	20.0000	20
	32 Hexachlorobutadiene	225	6.341	6.346	(1.029)	139476	20.0000	20
	129 Caprolactam	113	6.656	6.715	(1.080)	37986	20.0000	21(M)
	33 4-Chloro-3-methylphenol	107	6.805	6.827	(1.104)	181311	20.0000	20
	34 2-Methylnaphthalene	142	6.928	6.934	(1.124)	341618	20.0000	17
*	35 Acenaphthene-d10	164	8.023	8.023	(1.000)	355257	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.891	6.896	(1.433)	180788	20.0000	20
	37 Hexachlorocyclopentadiene	237	7.104	7.110	(0.885)	114705	20.0000	18
	38 2,4,6-Trichlorophenol	196	7.238	7.249	(0.902)	110872	20.0000	17
	39 2,4,5-Trichlorophenol	196	7.275	7.291	(0.907)	184440	30.0000	27
$	40 2-Fluorobiphenyl	172	7.323	7.334	(0.913)	420783	20.0000	19
	130 1,1'-Biphenyl	154	7.425	7.436	(0.925)	492756	20.0000	19
	41 2-Chloronaphthalene	162	7.436	7.446	(0.927)	411012	20.0000	19
	42 2-Nitroaniline	65	7.553	7.564	(0.941)	125486	20.0000	19
	43 Acenaphthylene	152	7.868	7.879	(0.981)	588154	20.0000	19
	44 Dimethylphthalate	163	7.767	7.778	(0.968)	370652	20.0000	20
	45 2,6-Dinitrotoluene	165	7.820	7.836	(0.975)	87623	20.0000	19
	46 Acenaphthene	153	8.055	8.066	(1.004)	392276	20.0000	19
	47 3-Nitroaniline	138	7.991	8.007	(0.996)	84502	20.0000	19
	48 2,4-Dinitrophenol	184	8.103	8.120	(1.010)	57390	30.0000	27
	49 Dibenzofuran	168	8.237	8.248	(1.027)	528915	20.0000	19
	50 2,4-Dinitrotoluene	165	8.242	8.258	(1.027)	108314	20.0000	19
	51 4-Nitrophenol	109	8.200	8.221	(1.022)	61775	30.0000	30(M)
	52 Fluorene	166	8.600	8.611	(1.072)	418265	20.0000	19
	53 4-Chlorophenyl-phenylether	204	8.611	8.622	(1.073)	217403	20.0000	18
	54 Diethylphthalate	149	8.515	8.526	(1.061)	314281	20.0000	19
	55 4-Nitroaniline	138	8.638	8.664	(1.077)	74858	20.0000	21(H)
$	56 2,4,6-Tribromophenol	330	8.857	8.867	(1.104)	59705	30.0000	29
*	57 Phenanthrene-d10	188	9.589	9.594	(1.000)	504103	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.675	8.691	(0.905)	86174	30.0000	29
	59 N-Nitrosodiphenylamine (1)	169	8.745	8.755	(0.912)	240556	20.0000	17
	60 1,2-Diphenylhydrazine	77	8.777	8.787	(0.915)	521103	20.0000	19
	61 4-Bromophenyl-phenylether	248	9.124	9.135	(0.952)	110720	20.0000	19
	131 Atrazine	200	9.321	9.338	(0.972)	59581	20.0000	18
	62 Hexachlorobenzene	284	9.188	9.199	(0.958)	101315	20.0000	18
	63 Pentachlorophenol	266	9.402	9.412	(0.981)	72333	30.0000	28
	64 Phenanthrene	178	9.615	9.621	(1.003)	528465	20.0000	19
	65 Carbazole	167	9.845	9.850	(1.027)	404654	20.0000	20
	66 Anthracene	178	9.663	9.679	(1.008)	541859	20.0000	19
	67 Di-n-butylphthalate	149	10.235	10.240	(1.067)	346690	20.0000	20
	68 Fluoranthene	202	10.865	10.876	(1.133)	442784	20.0000	19
*	70 Chrysene-d12	240	12.457	12.468	(1.000)	254049	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.015	11.020	(0.884)	46348	20.0000	23
72	Pyrene	202	11.100	11.111	(0.891)	435641	20.0000	19
$ 73	Terphenyl-d14	244	11.282	11.282	(0.906)	240675	20.0000	20
74	Butylbenzylphthalate	149	11.806	11.811	(0.948)	122796	20.0000	19
124	3,3'-Dimethylbenzidine	212	11.784	11.790	(0.946)	53415	20.0000	23
75	3,3'-Dichlorobenzidine	252	12.420	12.431	(0.997)	89797	20.0000	21
76	Benzo(a)anthracene	228	12.441	12.447	(0.999)	275577	20.0000	19
77	Chrysene	228	12.489	12.500	(1.003)	286228	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.505	12.511	(1.004)	168907	20.0000	19
* 79	Perylene-d12	264	14.632	14.642	(1.000)	233847	20.0000	
80	Di-n-octylphthalate	149	13.419	13.424	(0.917)	297473	20.0000	20
81	Benzo(b)fluoranthene	252	13.991	14.007	(0.956)	244394	20.0000	20
82	Benzo(k)fluoranthene	252	14.033	14.055	(0.959)	263444	20.0000	21
83	Benzo(a)pyrene	252	14.530	14.552	(0.993)	224569	20.0000	21
84	Indeno(1,2,3-cd)pyrene	276	16.640	16.667	(1.137)	213432	20.0000	20(M)
85	Dibenzo(a,h)anthracene	278	16.688	16.721	(1.141)	216353	20.0000	20
86	Benzo(g,h,i)perylene	276	17.164	17.201	(1.173)	225279	20.0000	20
167	Simazine	201	9.284	9.306	(0.968)	36790	4.00000	5
103	1,2,4,5-Tetrachlorobenzene	216	7.104	7.115	(0.885)	102479	25.0000	19
109	2,3,4,6-Tetrachlorophenol	232	8.381	8.392	(1.045)	88324	25.0000	20
119	Pentachloronitrobenzene	237	9.418	9.423	(0.982)	45906	25.0000	22

QC Flag Legend

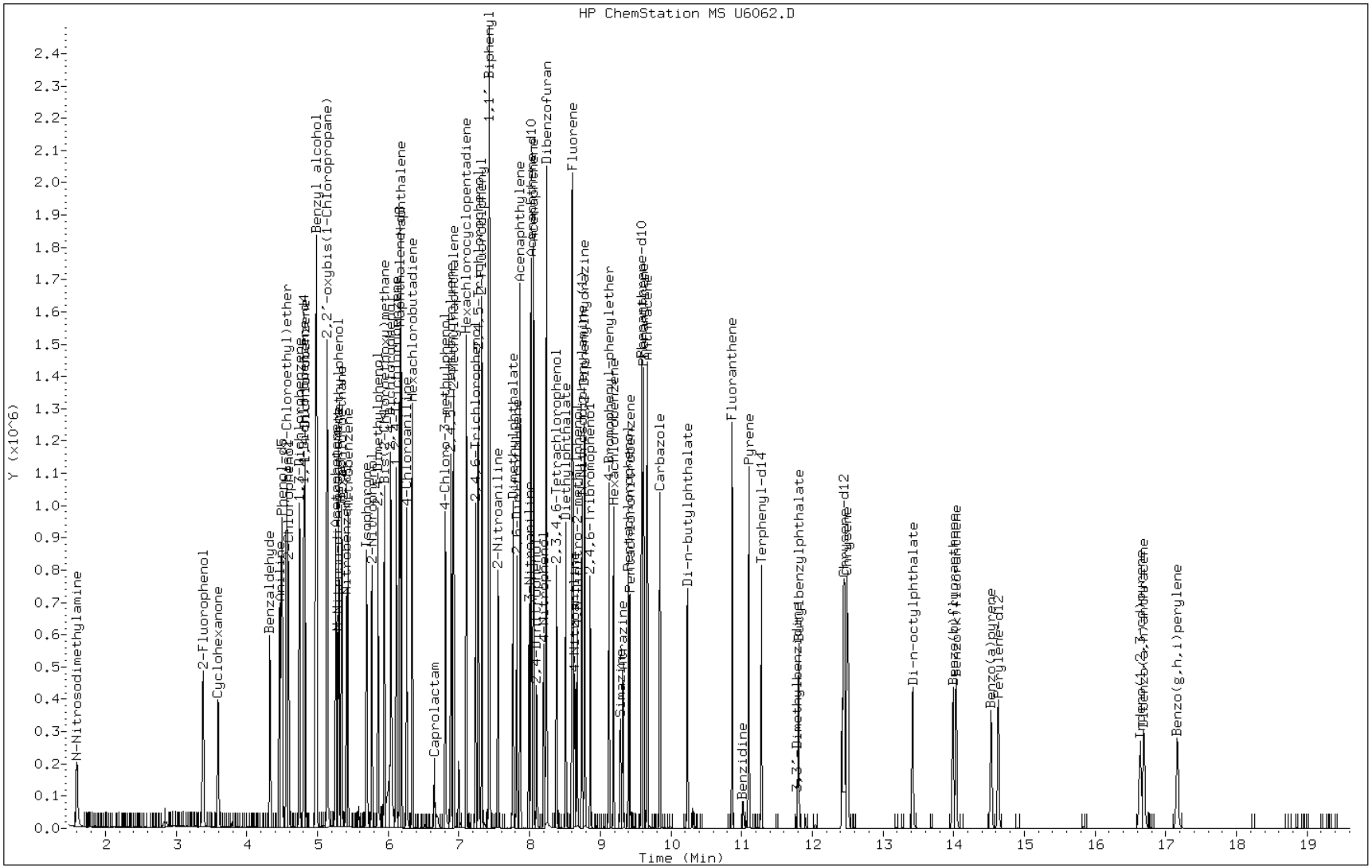
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: U6062.D

Date: 28-JUL-2011 10:48

Client ID: IC-635516 Instrument: msu.i

Sample Info: IC-635516 Operator: S.Jonas



Manual Integration Report

Data File: U6062.D
Inj. Date and Time: 28-JUL-2011 10:48
Instrument ID: msu.i
Client ID: IC-635516
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

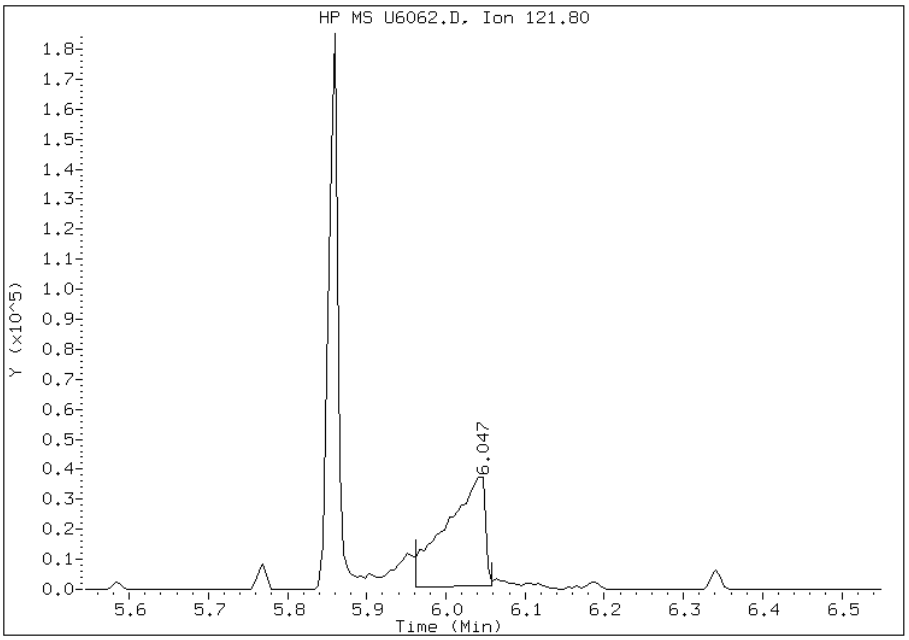
Processing Integration Results

RT: 6.05

Response: 125300

Amount: 40

Conc: 40



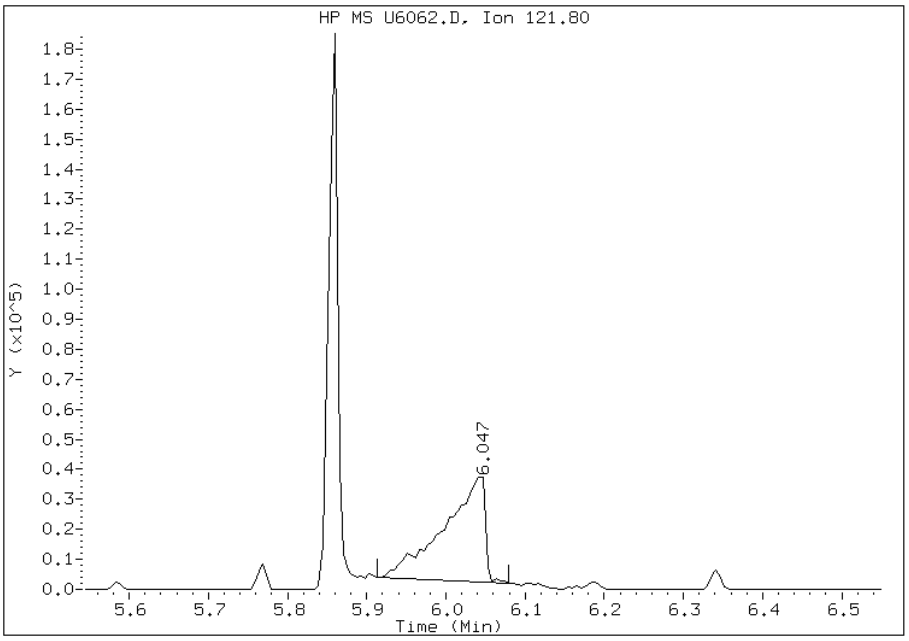
Manual Integration Results

RT: 6.05

Response: 126480

Amount: 31

Conc: 31



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6062.D
Inj. Date and Time: 28-JUL-2011 10:48
Instrument ID: msu.i
Client ID: IC-635516
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/01/2011

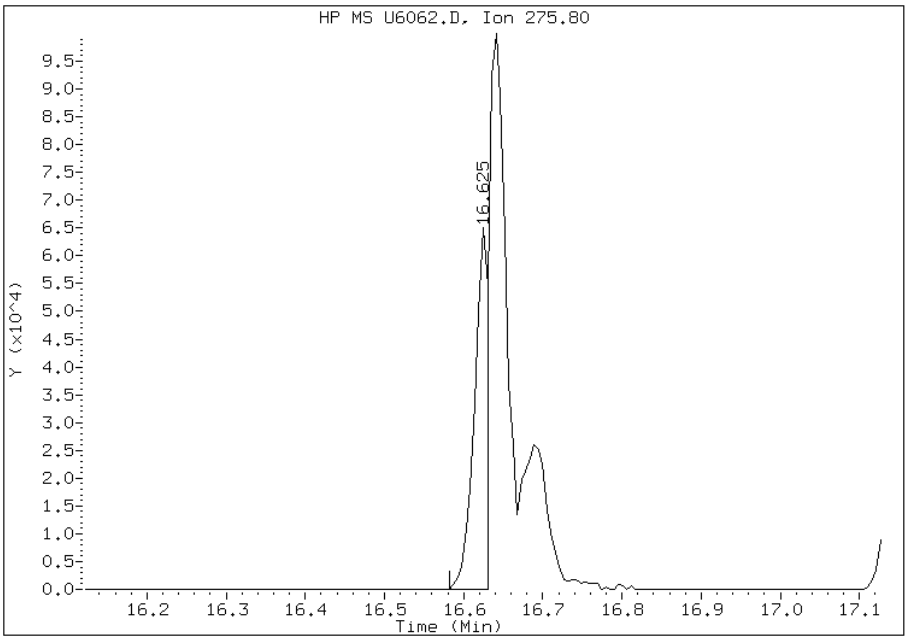
Processing Integration Results

RT: 16.62

Response: 76520

Amount: 8

Conc: 8



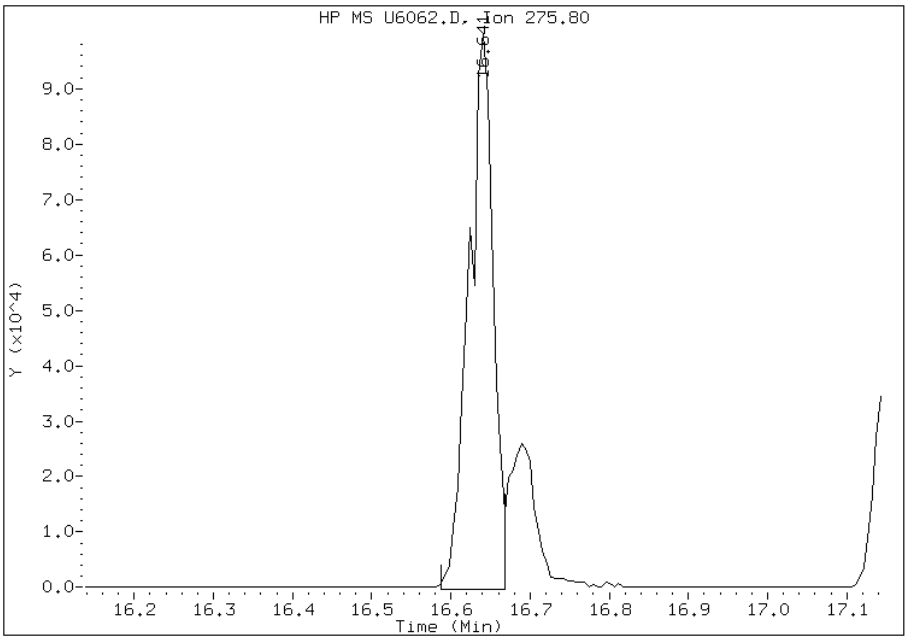
Manual Integration Results

RT: 16.64

Response: 213432

Amount: 20

Conc: 20



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6062.D
Inj. Date and Time: 28-JUL-2011 10:48
Instrument ID: msu.i
Client ID: IC-635516
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

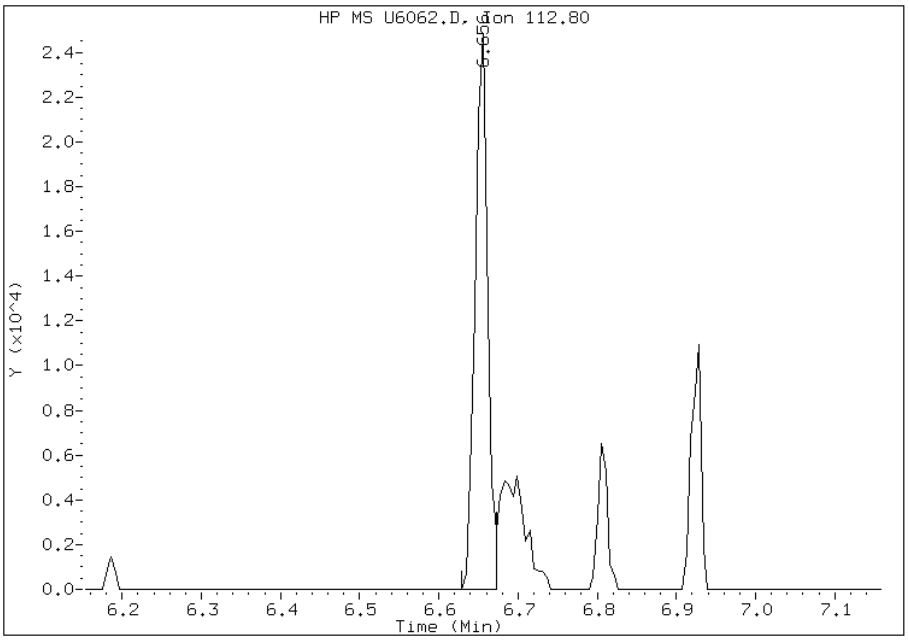
Processing Integration Results

RT: 6.66

Response: 26931

Amount: 17

Conc: 17



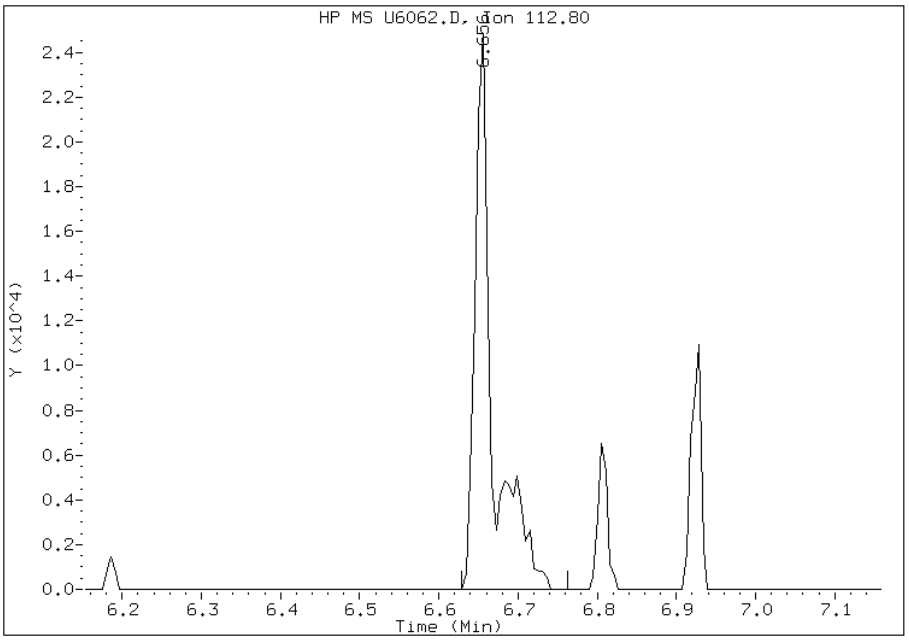
Manual Integration Results

RT: 6.66

Response: 37986

Amount: 21

Conc: 21



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6062.D
Inj. Date and Time: 28-JUL-2011 10:48
Instrument ID: msu.i
Client ID: IC-635516
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/01/2011

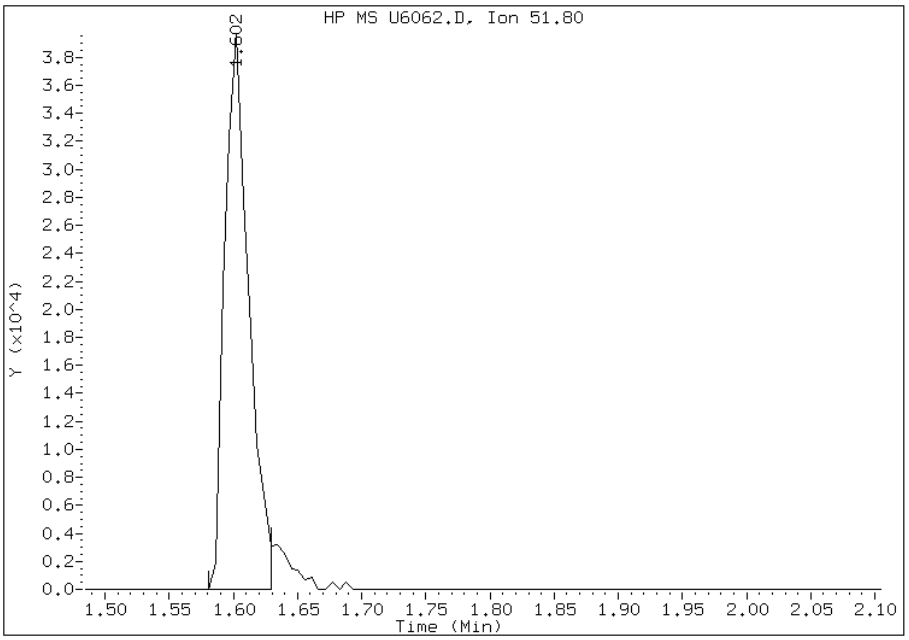
Processing Integration Results

RT: 1.60

Response: 51974

Amount: 21

Conc: 21



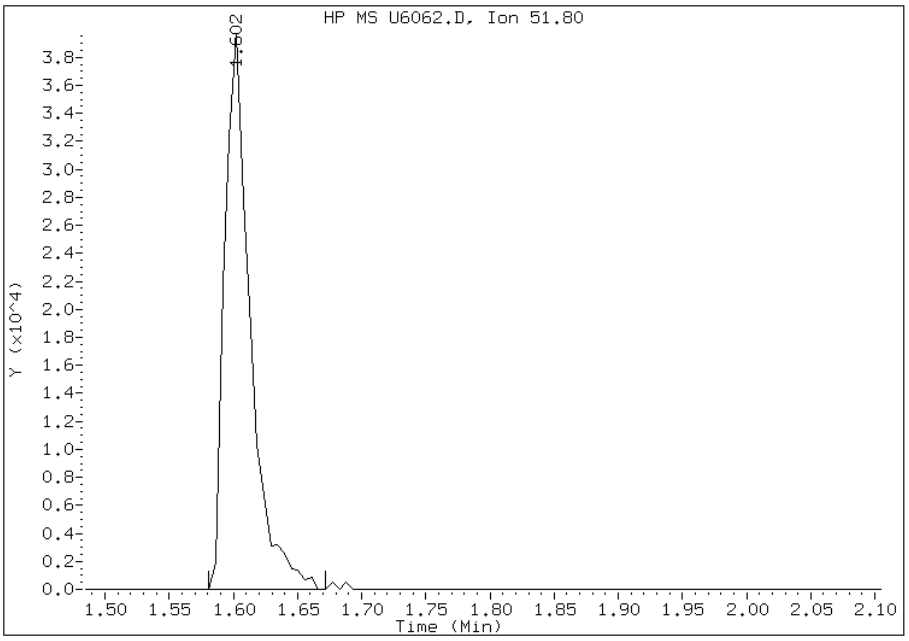
Manual Integration Results

RT: 1.60

Response: 55256

Amount: 20

Conc: 20



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6062.D
Inj. Date and Time: 28-JUL-2011 10:48
Instrument ID: msu.i
Client ID: IC-635516
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/01/2011

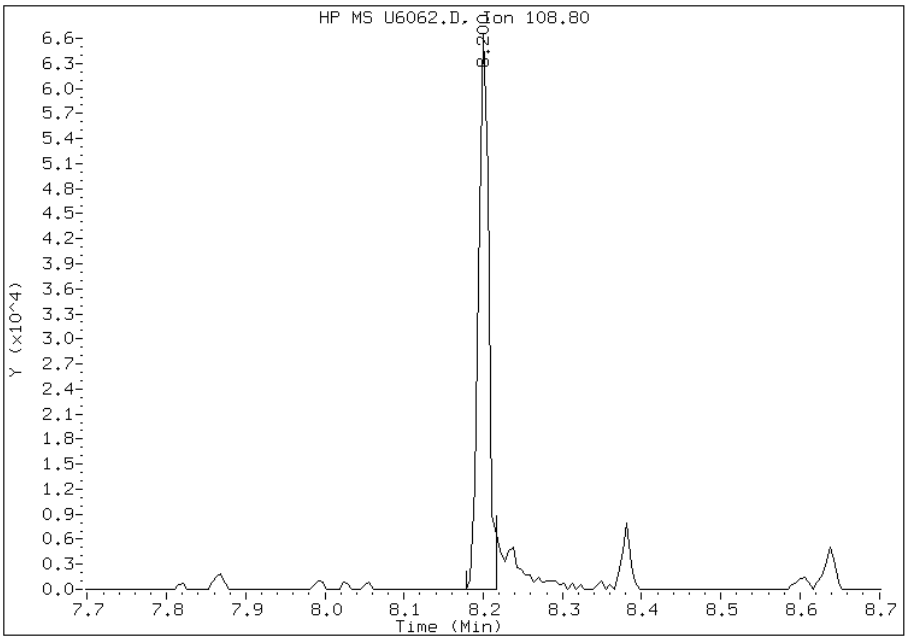
Processing Integration Results

RT: 8.20

Response: 58609

Amount: 28

Conc: 28



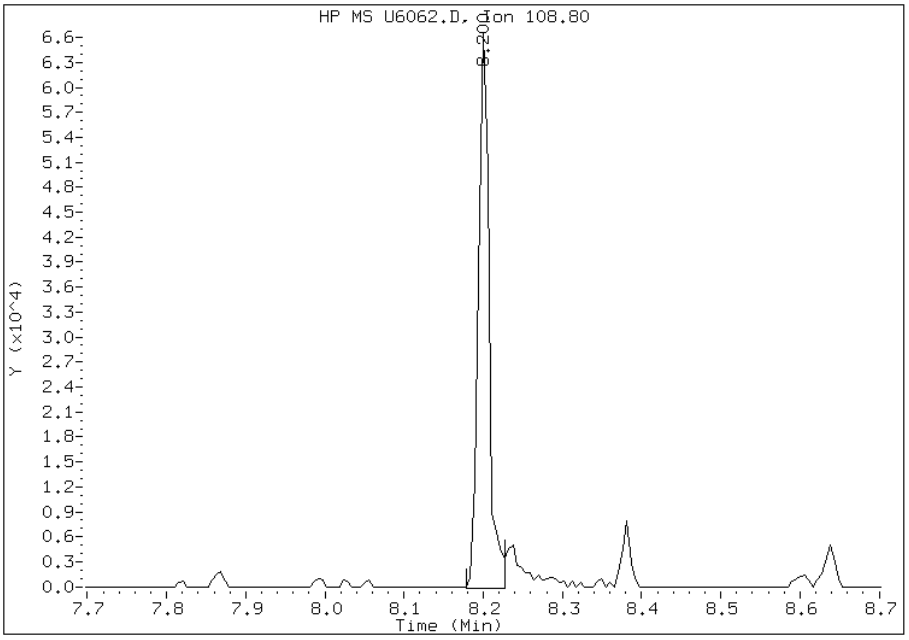
Manual Integration Results

RT: 8.20

Response: 61775

Amount: 30

Conc: 30



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6063.D
Lab Smp Id: IC-635517 Client Smp ID: IC-635517
Inj Date : 28-JUL-2011 11:17
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635517
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:54 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 11:17 Cal File: U6063.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.813	4.813	(1.000)	142701	20.0000	
$ 2	2-Fluorophenol	112	3.392	3.392	(0.705)	585504	60.0000	64
$ 3	Phenol-d5	99	4.514	4.514	(0.938)	826528	60.0000	62
4	Pyridine	52	1.602	1.602	(0.333)	160963	60.0000	63(M)
5	N-Nitrosodimethylamine	42	1.597	1.597	(0.332)	122127	60.0000	60(M)
6	Cyclohexanone	42	3.595	3.595	(0.747)	131273	60.0000	33
128	Benzaldehyde	77	4.332	4.332	(0.900)	190011	60.0000	39
7	Phenol	94	4.530	4.530	(0.941)	857880	60.0000	60
8	Aniline	93	4.476	4.476	(0.930)	840514	60.0000	59
9	bis(2-Chloroethyl)ether	63	4.572	4.572	(0.950)	623630	60.0000	64
10	2-Chlorophenol	128	4.604	4.604	(0.957)	642481	60.0000	62
11	1,3-Dichlorobenzene	146	4.754	4.754	(0.988)	748229	60.0000	62
12	1,4-Dichlorobenzene	146	4.834	4.834	(1.004)	767111	60.0000	62
13	Benzyl alcohol	108	5.010	5.010	(1.041)	319157	60.0000	62
14	1,2-Dichlorobenzene	146	4.994	4.994	(1.038)	739208	60.0000	67
15	2,2'-oxybis(1-Chloropropane)	45	5.144	5.144	(1.069)	789548	60.0000	60
16	2-Methylphenol	108	5.155	5.155	(1.071)	583525	60.0000	59
92	Acetophenone	105	5.277	5.277	(1.097)	777597	60.0000	54
17	Hexachloroethane	117	5.347	5.347	(1.111)	346757	60.0000	64
18	N-Nitroso-di-n-propylamine	70	5.304	5.304	(1.102)	483966	60.0000	62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.326	5.326	(1.107)	593317	60.0000	62
*	20 Naphthalene-d8	136	6.170	6.170	(1.000)	553757	20.0000	
$	21 Nitrobenzene-d5	82	5.427	5.427	(0.880)	824191	60.0000	64
	22 Nitrobenzene	77	5.448	5.448	(0.883)	819302	60.0000	63
	23 Isophorone	82	5.716	5.716	(0.926)	1288214	60.0000	66
	24 2-Nitrophenol	139	5.780	5.780	(0.937)	349498	60.0000	66
	25 2,4-Dimethylphenol	122	5.876	5.876	(0.952)	482469	60.0000	63
	26 Benzoic Acid	122	6.100	6.100	(0.989)	252014	60.0000	60(M)
	27 Bis(2-Chloroethoxy)methane	93	5.961	5.961	(0.966)	817593	60.0000	66
	28 2,4-Dichlorophenol	162	6.052	6.052	(0.981)	487445	60.0000	62
	29 1,2,4-Trichlorobenzene	180	6.122	6.122	(0.992)	643399	60.0000	63
	30 Naphthalene	128	6.196	6.196	(1.004)	1840436	60.0000	63
	31 4-Chloroaniline	127	6.276	6.276	(1.017)	599442	60.0000	61
	32 Hexachlorobutadiene	225	6.346	6.346	(1.029)	425925	60.0000	68
	129 Caprolactam	113	6.715	6.715	(1.088)	113871	60.0000	70(M)
	33 4-Chloro-3-methylphenol	107	6.827	6.827	(1.106)	510528	60.0000	65
	34 2-Methylnaphthalene	142	6.934	6.934	(1.124)	1185585	60.0000	67
*	35 Acenaphthene-d10	164	8.023	8.023	(1.000)	291082	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.896	6.896	(1.433)	523508	60.0000	61
	37 Hexachlorocyclopentadiene	237	7.110	7.110	(0.886)	344288	60.0000	62
	38 2,4,6-Trichlorophenol	196	7.249	7.249	(0.903)	359528	60.0000	66
	39 2,4,5-Trichlorophenol	196	7.291	7.291	(0.909)	389217	60.0000	64
$	40 2-Fluorobiphenyl	172	7.334	7.334	(0.914)	1217397	60.0000	68
	130 1,1'-Biphenyl	154	7.436	7.436	(0.927)	1446637	60.0000	67
	41 2-Chloronaphthalene	162	7.446	7.446	(0.928)	1106710	60.0000	63
	42 2-Nitroaniline	65	7.564	7.564	(0.943)	304165	60.0000	57
	43 Acenaphthylene	152	7.879	7.879	(0.982)	1674966	60.0000	67
	44 Dimethylphthalate	163	7.778	7.778	(0.969)	974093	60.0000	64
	45 2,6-Dinitrotoluene	165	7.836	7.836	(0.977)	259177	60.0000	68
	46 Acenaphthene	153	8.066	8.066	(1.005)	1088038	60.0000	64
	47 3-Nitroaniline	138	8.007	8.007	(0.998)	239464	60.0000	67
	48 2,4-Dinitrophenol	184	8.120	8.120	(1.012)	129899	60.0000	63
	49 Dibenzofuran	168	8.248	8.248	(1.028)	1532317	60.0000	69
	50 2,4-Dinitrotoluene	165	8.258	8.258	(1.029)	323114	60.0000	71
	51 4-Nitrophenol	109	8.221	8.221	(1.025)	123461	60.0000	73(M)
	52 Fluorene	166	8.611	8.611	(1.073)	1234846	60.0000	68
	53 4-Chlorophenyl-phenylether	204	8.622	8.622	(1.075)	643731	60.0000	66
	54 Diethylphthalate	149	8.526	8.526	(1.063)	898694	60.0000	65
	55 4-Nitroaniline	138	8.664	8.664	(1.080)	194775	60.0000	66
$	56 2,4,6-Tribromophenol	330	8.867	8.867	(1.105)	109359	60.0000	64
*	57 Phenanthrene-d10	188	9.594	9.594	(1.000)	434475	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.691	8.691	(0.906)	180205	60.0000	63
	59 N-Nitrosodiphenylamine (1)	169	8.755	8.755	(0.913)	777442	60.0000	66
	60 1,2-Diphenylhydrazine	77	8.787	8.787	(0.916)	1431521	60.0000	60
	61 4-Bromophenyl-phenylether	248	9.135	9.135	(0.952)	284504	60.0000	58
	131 Atrazine	200	9.338	9.338	(0.973)	179199	60.0000	63
	62 Hexachlorobenzene	284	9.199	9.199	(0.959)	284135	60.0000	60
	63 Pentachlorophenol	266	9.412	9.412	(0.981)	147912	60.0000	58
	64 Phenanthrene	178	9.621	9.621	(1.003)	1519638	60.0000	63
	65 Carbazole	167	9.850	9.850	(1.027)	1037569	60.0000	58
	66 Anthracene	178	9.679	9.679	(1.009)	1494635	60.0000	61
	67 Di-n-butylphthalate	149	10.240	10.240	(1.067)	1002644	60.0000	67
	68 Fluoranthene	202	10.876	10.876	(1.134)	1147255	60.0000	58
*	70 Chrysene-d12	240	12.468	12.468	(1.000)	250640	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.020	11.020	(0.884)	99556	60.0000	50
72	Pyrene	202	11.111	11.111	(0.891)	1122070	60.0000	51
$ 73	Terphenyl-d14	244	11.282	11.282	(0.905)	554777	60.0000	47
74	Butylbenzylphthalate	149	11.811	11.811	(0.947)	409136	60.0000	64
124	3,3'-Dimethylbenzidine	212	11.790	11.790	(0.946)	144618	60.0000	63
75	3,3'-Dichlorobenzidine	252	12.431	12.431	(0.997)	266754	60.0000	62
76	Benzo(a)anthracene	228	12.447	12.447	(0.998)	855122	60.0000	58
77	Chrysene	228	12.500	12.500	(1.003)	940073	60.0000	65
78	Bis(2-Ethylhexyl)phthalate	149	12.511	12.511	(1.003)	578770	60.0000	65
* 79	Perylene-d12	264	14.642	14.642	(1.000)	223107	20.0000	
80	Di-n-octylphthalate	149	13.424	13.424	(0.917)	939114	60.0000	67
81	Benzo(b)fluoranthene	252	14.007	14.007	(0.957)	777527	60.0000	66
82	Benzo(k)fluoranthene	252	14.055	14.055	(0.960)	814015	60.0000	68
83	Benzo(a)pyrene	252	14.552	14.552	(0.994)	641502	60.0000	62(M)
84	Indeno(1,2,3-cd)pyrene	276	16.667	16.667	(1.138)	710705	60.0000	68(M)
85	Dibenzo(a,h)anthracene	278	16.721	16.721	(1.142)	719006	60.0000	69(M)
86	Benzo(g,h,i)perylene	276	17.201	17.201	(1.175)	710181	60.0000	67(M)
167	Simazine	201	9.306	9.306	(0.970)	106519	60.0000	16
103	1,2,4,5-Tetrachlorobenzene	216	7.115	7.115	(0.887)	288725	60.0000	60
109	2,3,4,6-Tetrachlorophenol	232	8.392	8.392	(1.046)	276684	60.0000	76
119	Pentachloronitrobenzene	237	9.423	9.423	(0.982)	105324	60.0000	59

QC Flag Legend

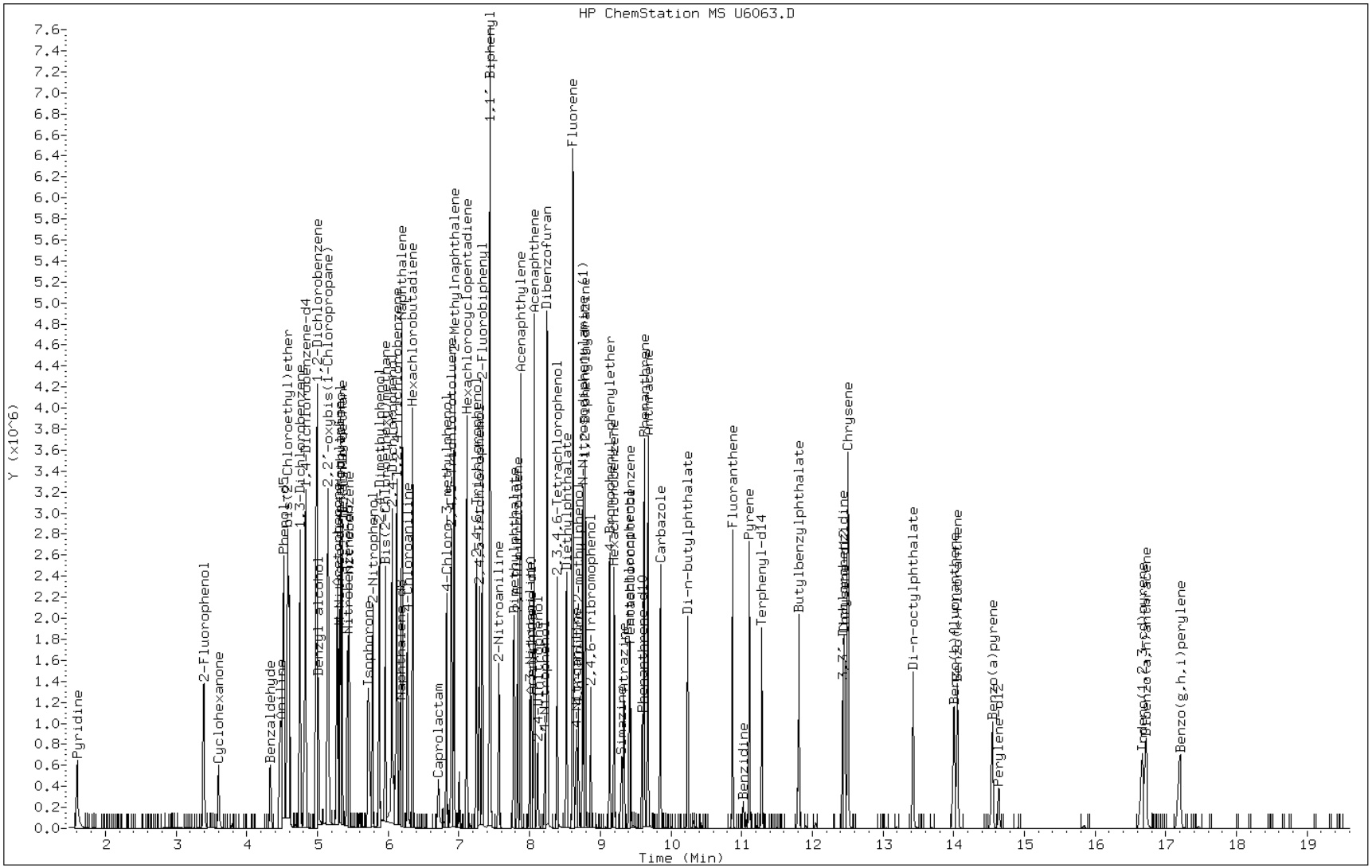
M - Compound response manually integrated.

Data File: U6063.D

Date: 28-JUL-2011 11:17

Client ID: IC-635517 Instrument: msu.i

Sample Info: IC-635517 Operator: S.Jonas



Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/01/2011

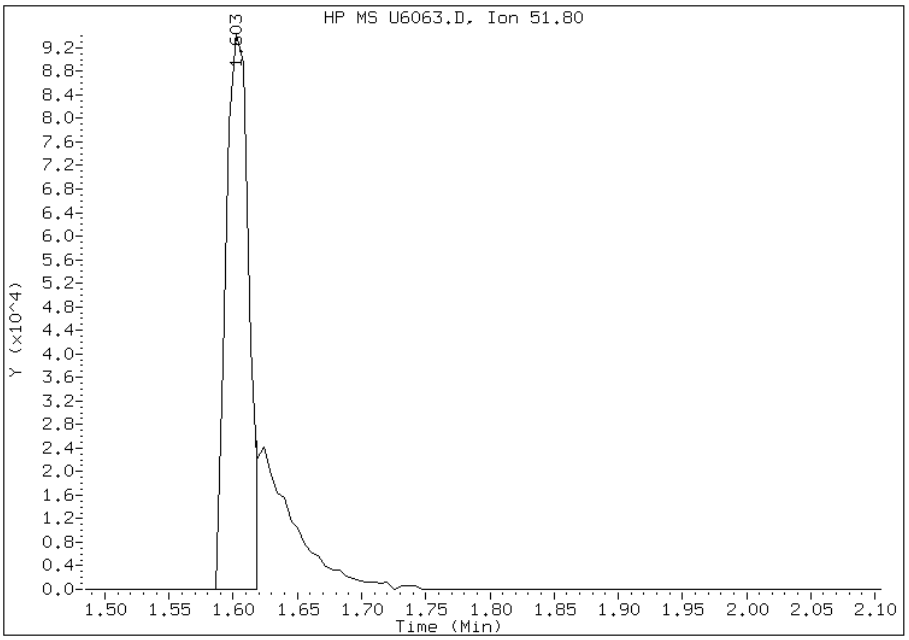
Processing Integration Results

RT: 1.60

Response: 116938

Amount: 52

Conc: 52



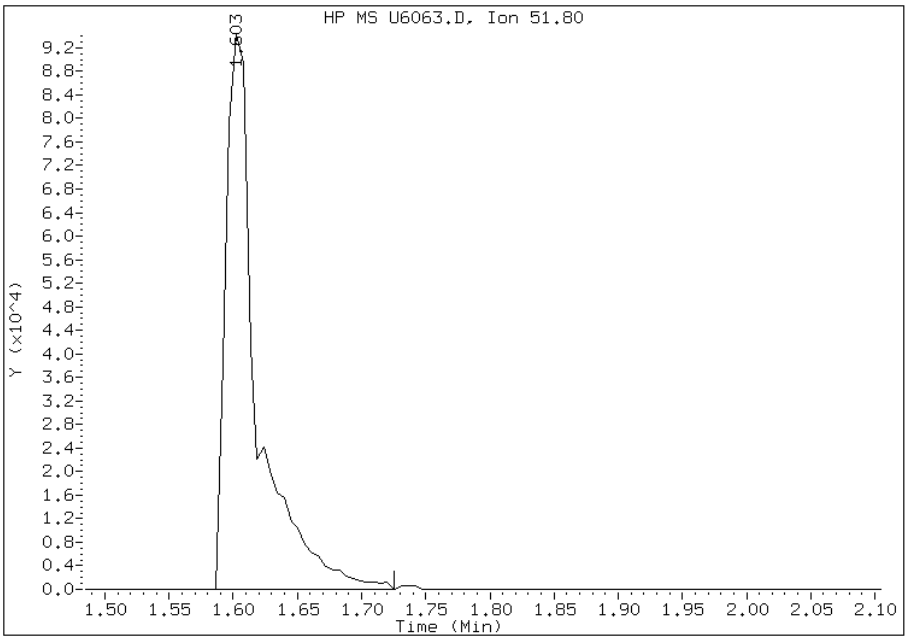
Manual Integration Results

RT: 1.60

Response: 160963

Amount: 63

Conc: 63



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/01/2011

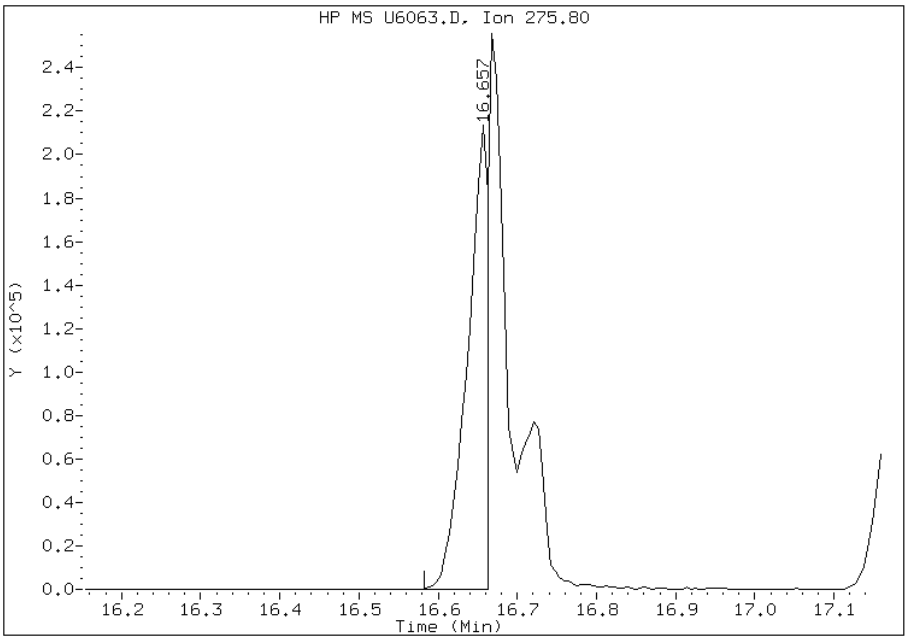
Processing Integration Results

RT: 16.66

Response: 380631

Amount: 40

Conc: 40



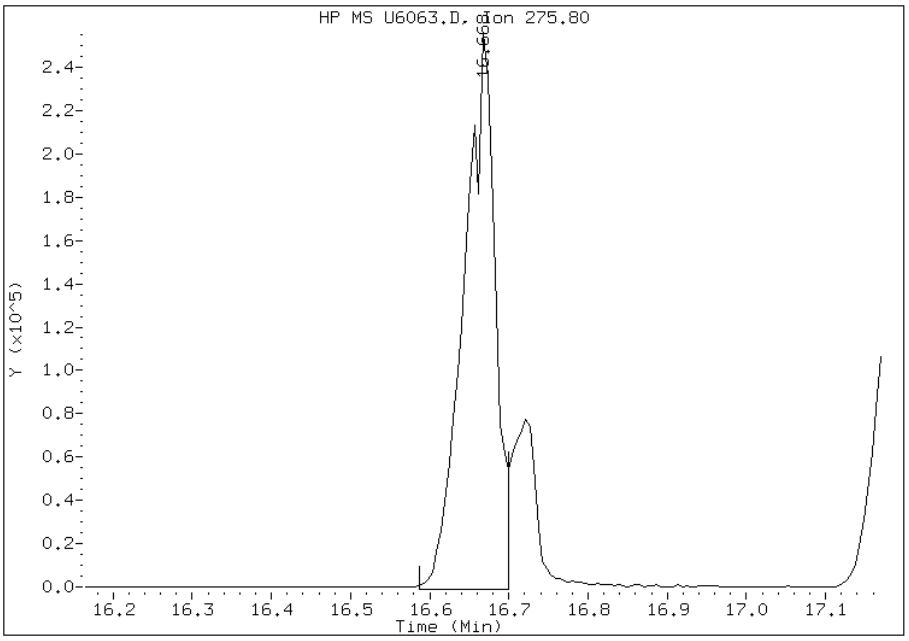
Manual Integration Results

RT: 16.67

Response: 710705

Amount: 68

Conc: 68



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 83 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 08/01/2011

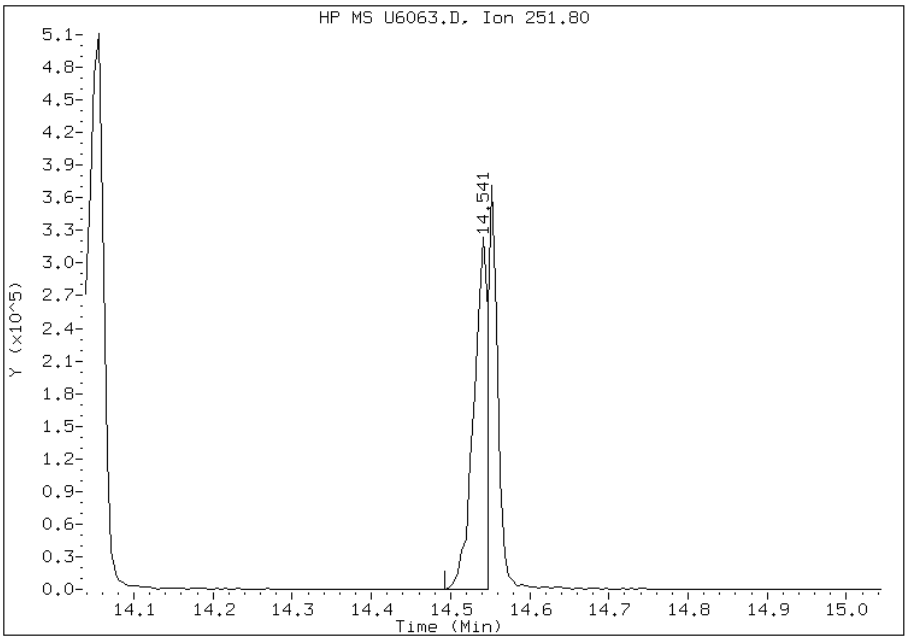
Processing Integration Results

RT: 14.54

Response: 394113

Amount: 44

Conc: 44



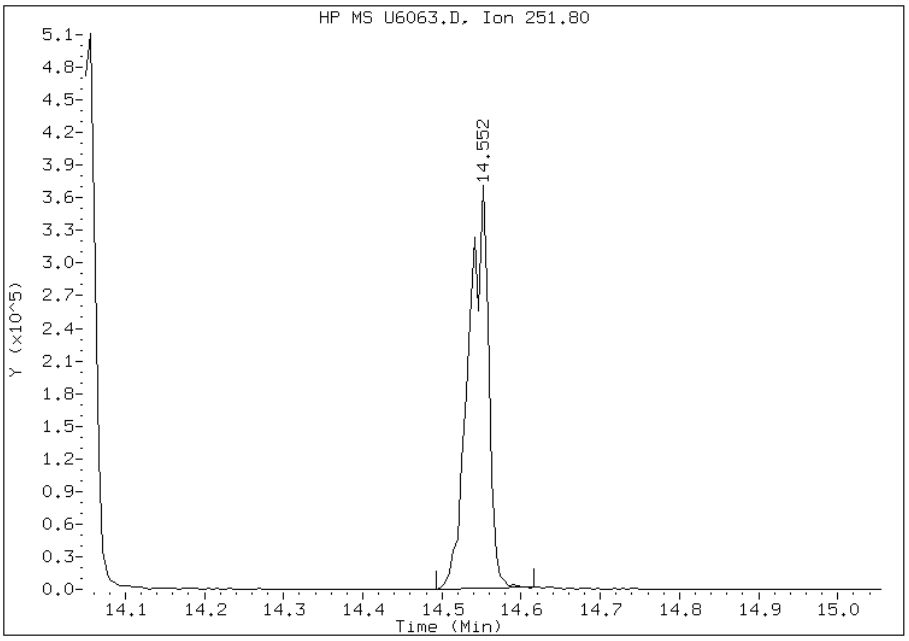
Manual Integration Results

RT: 14.55

Response: 641502

Amount: 62

Conc: 62



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/01/2011

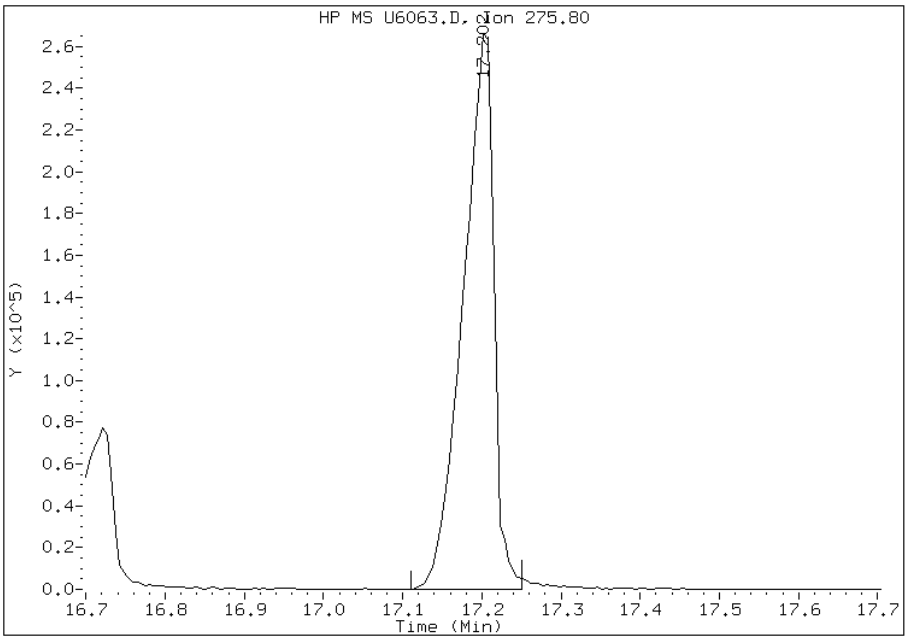
Processing Integration Results

RT: 17.20

Response: 710181

Amount: 67

Conc: 67



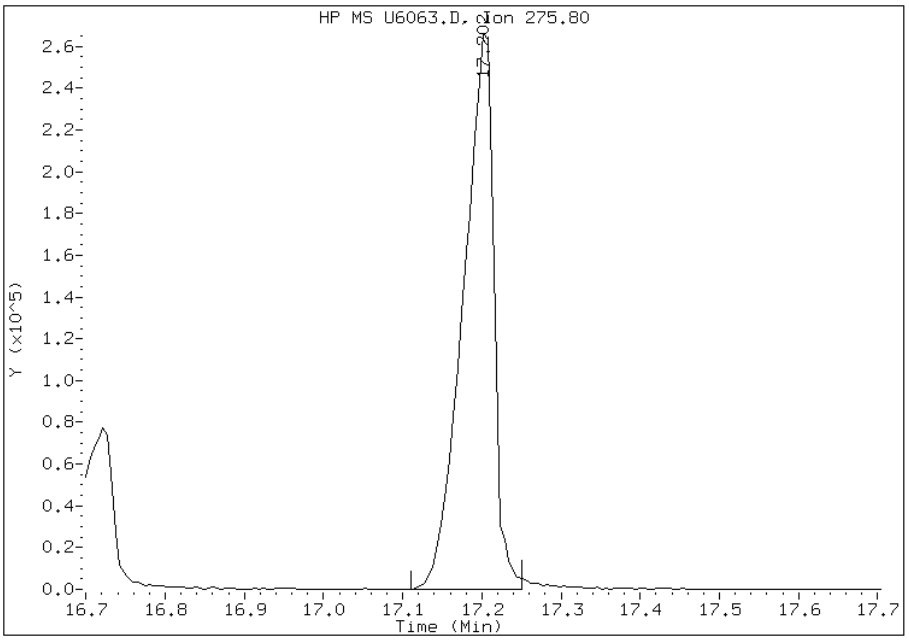
Manual Integration Results

RT: 17.20

Response: 710181

Amount: 67

Conc: 67



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/01/2011

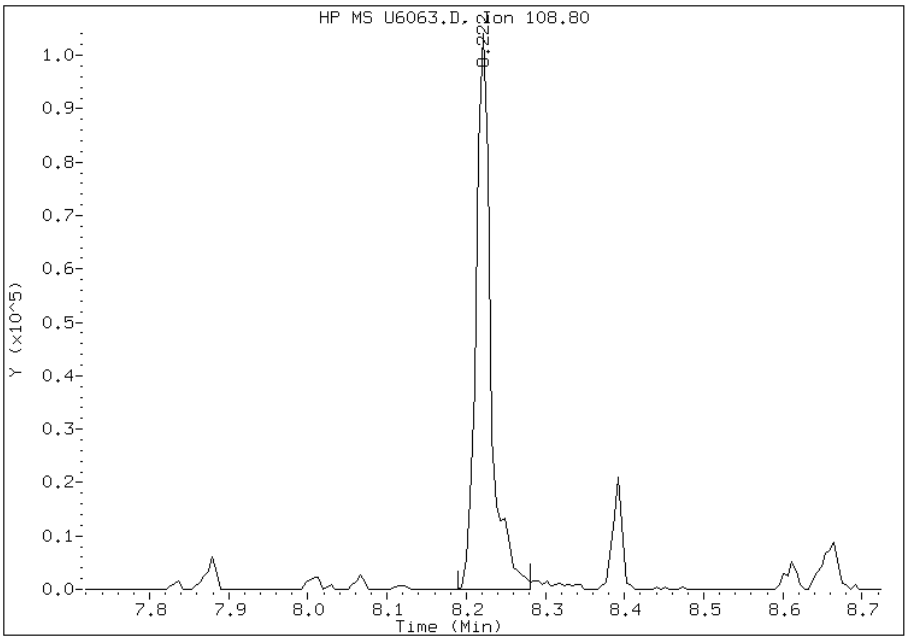
Processing Integration Results

RT: 8.22

Response: 135388

Amount: 79

Conc: 79



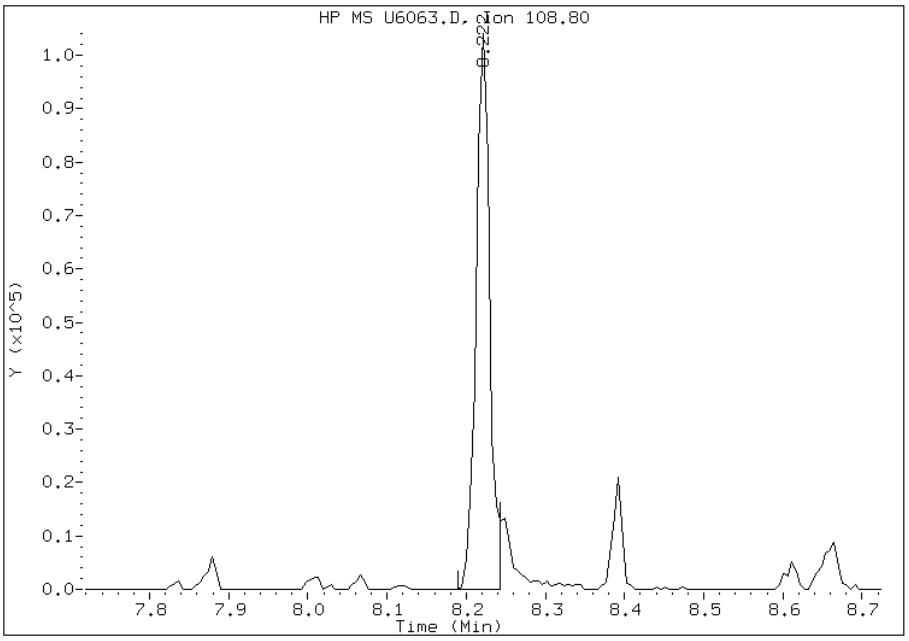
Manual Integration Results

RT: 8.22

Response: 123461

Amount: 73

Conc: 73



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 5 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/01/2011

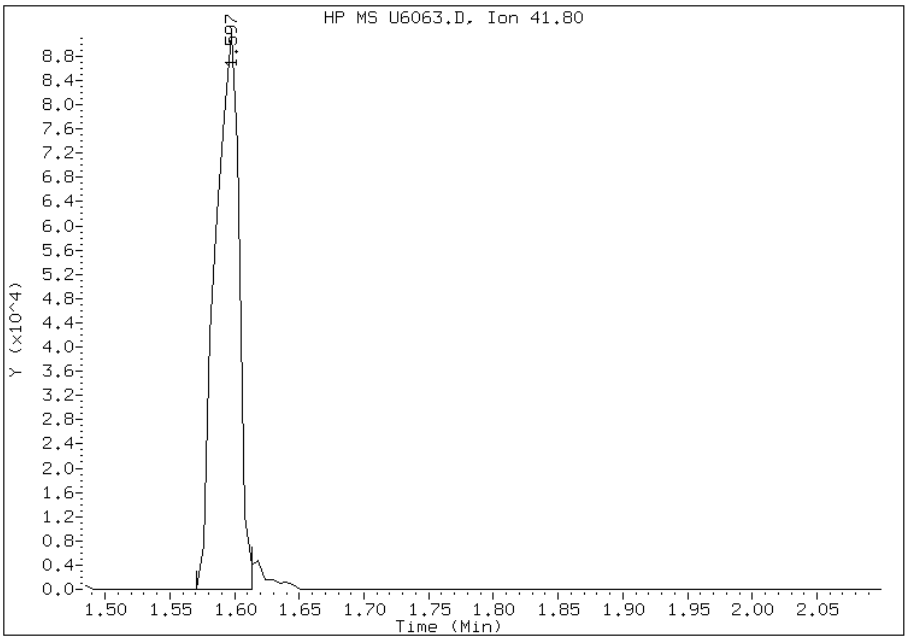
Processing Integration Results

RT: 1.60

Response: 118599

Amount: 59

Conc: 59



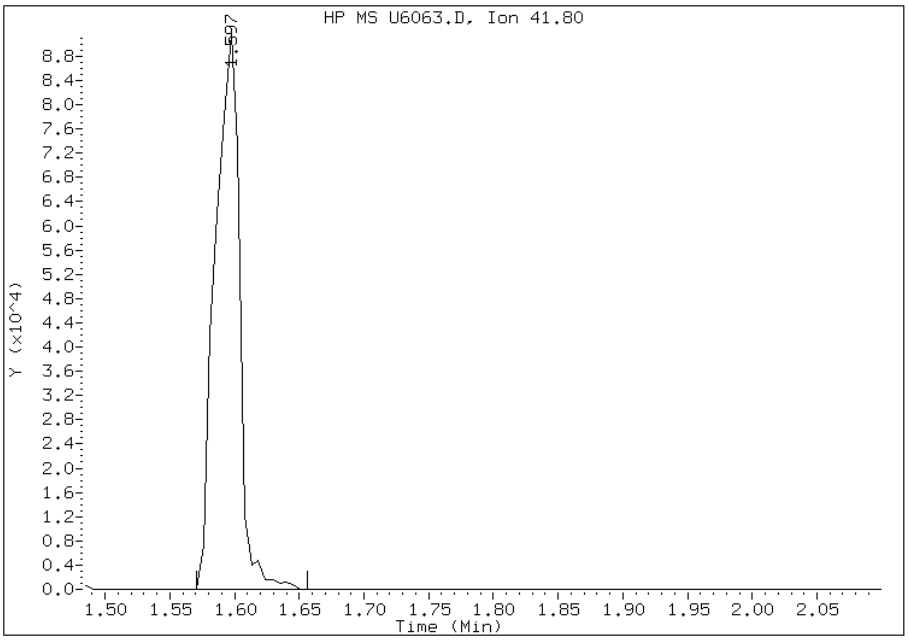
Manual Integration Results

RT: 1.60

Response: 122127

Amount: 60

Conc: 60



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

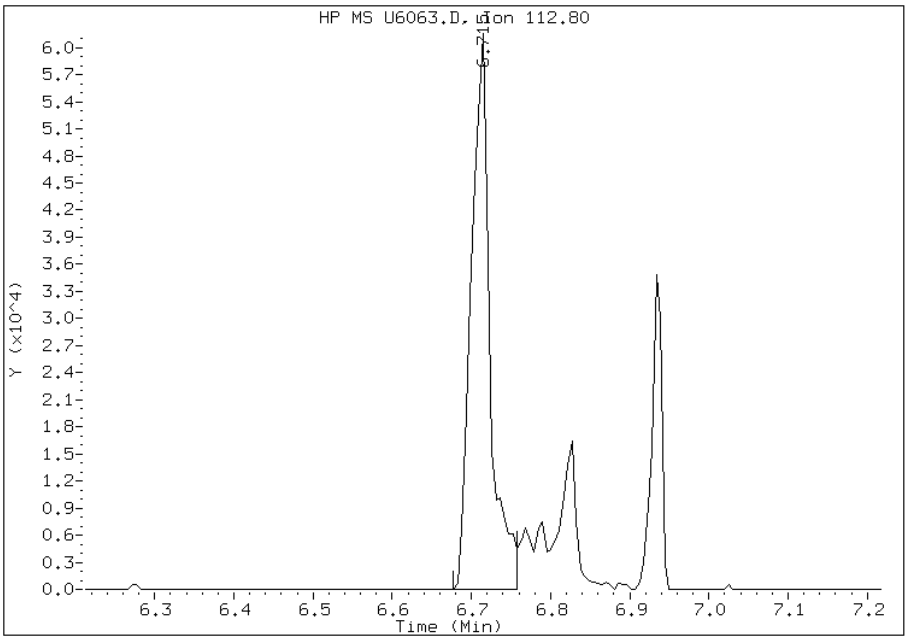
Processing Integration Results

RT: 6.72

Response: 100895

Amount: 67

Conc: 67



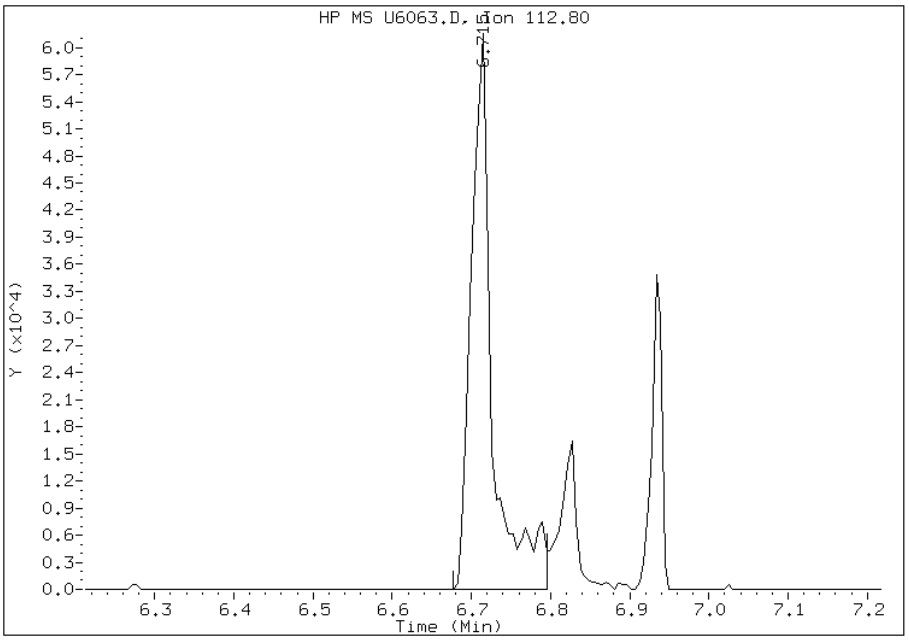
Manual Integration Results

RT: 6.72

Response: 113871

Amount: 70

Conc: 70



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

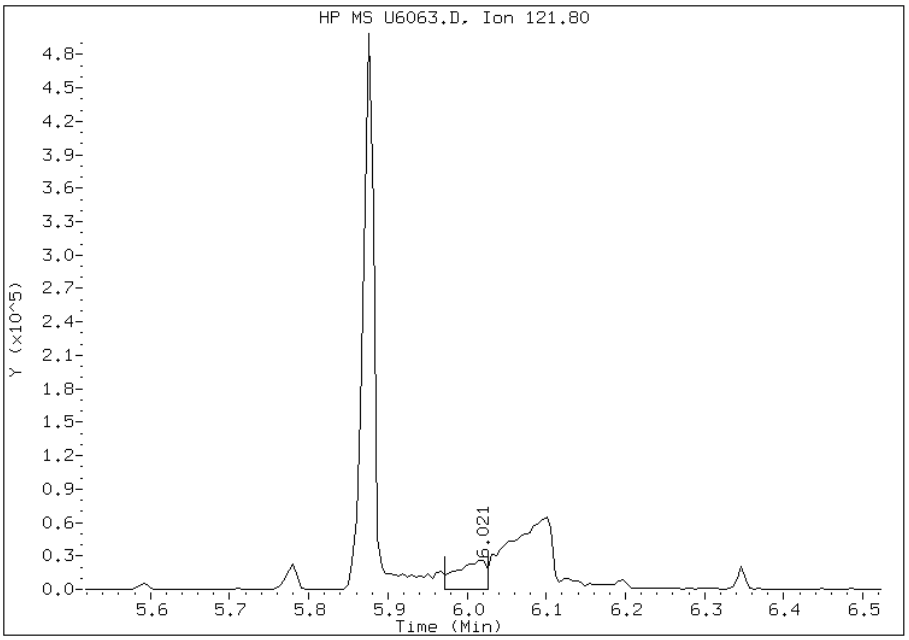
Processing Integration Results

RT: 6.02

Response: 68375

Amount: 25

Conc: 25



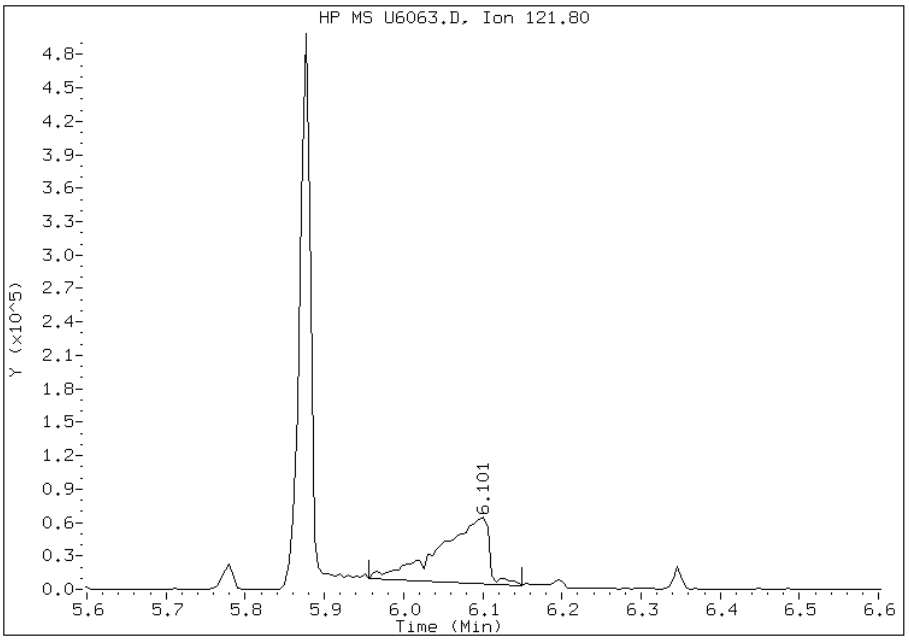
Manual Integration Results

RT: 6.10

Response: 252014

Amount: 60

Conc: 60



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6063.D
Inj. Date and Time: 28-JUL-2011 11:17
Instrument ID: msu.i
Client ID: IC-635517
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 08/01/2011

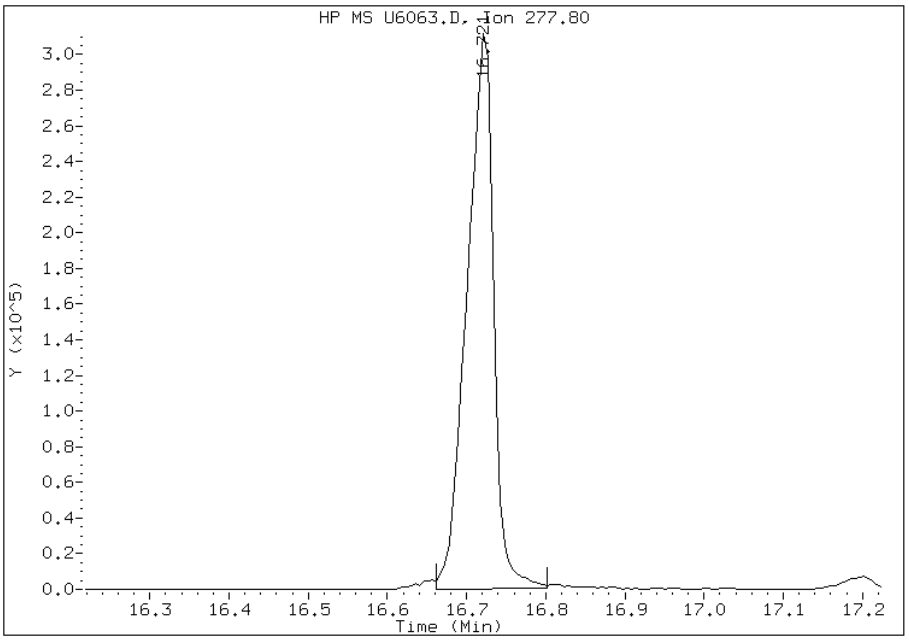
Processing Integration Results

RT: 16.72

Response: 719006

Amount: 69

Conc: 69



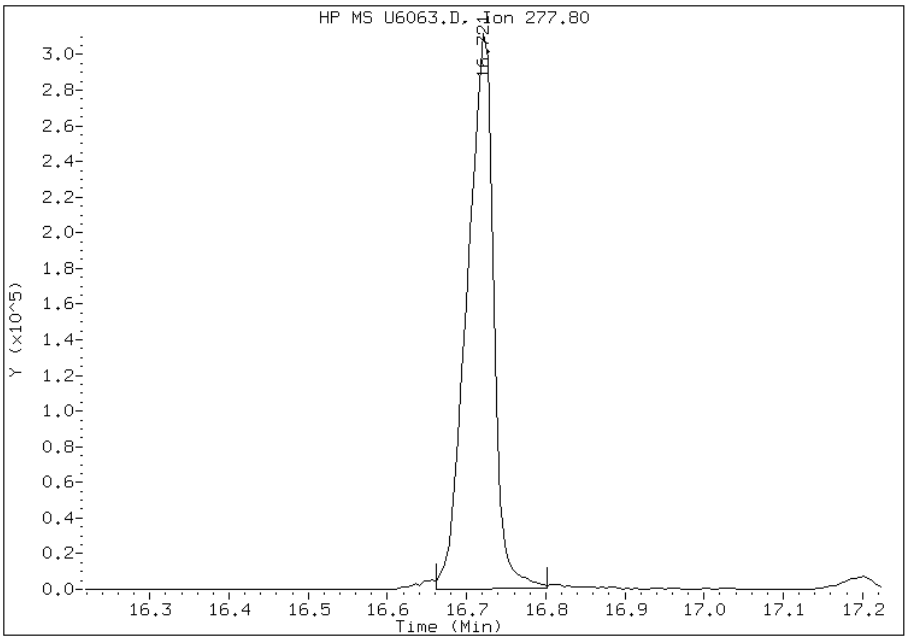
Manual Integration Results

RT: 16.72

Response: 719006

Amount: 69

Conc: 69



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\U6064.D
Lab Smp Id: IC-635518 Client Smp ID: IC-635518
Inj Date : 28-JUL-2011 11:47
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635518
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\MSU-8270C.m
Meth Date : 28-Jul-2011 14:36 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 11:47 Cal File: U6064.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.818	4.818	(1.000)	132414	20.0000	
$ 2	2-Fluorophenol	112	3.408	3.408	(0.707)	735003	80.0000	86(A)
$ 3	Phenol-d5	99	4.524	4.524	(0.939)	995619	80.0000	81(AM)
4	Pyridine	52	1.645	1.645	(0.341)	200437	80.0000	89(AM)
5	N-Nitrosodimethylamine	42	1.634	1.634	(0.339)	161136	80.0000	85(AM)
6	Cyclohexanone	42	3.616	3.616	(0.751)	137083	80.0000	37(M)
128	Benzaldehyde	77	4.337	4.337	(0.900)	169458	80.0000	37
7	Phenol	94	4.535	4.535	(0.941)	1257211	80.0000	95(A)
8	Aniline	93	4.471	4.471	(0.928)	814009	80.0000	62
9	bis(2-Chloroethyl)ether	63	4.588	4.588	(0.952)	1094981	80.0000	110(A)
10	2-Chlorophenol	128	4.610	4.610	(0.957)	820943	80.0000	85(A)
11	1,3-Dichlorobenzene	146	4.759	4.759	(0.988)	1011956	80.0000	91(A)
12	1,4-Dichlorobenzene	146	4.839	4.839	(1.004)	1028891	80.0000	90(A)
13	Benzyl alcohol	108	5.005	5.005	(1.039)	236710	80.0000	52(H)
14	1,2-Dichlorobenzene	146	5.000	5.000	(1.038)	1017272	80.0000	96(A)
15	2,2'-oxybis(1-Chloropropane)	45	5.149	5.149	(1.069)	1055095	80.0000	87(A)
16	2-Methylphenol	108	5.160	5.160	(1.071)	826563	80.0000	91(A)
92	Acetophenone	105	5.283	5.283	(1.096)	1170014	80.0000	88(A)
17	Hexachloroethane	117	5.352	5.352	(1.111)	413334	80.0000	82(A)
18	N-Nitroso-di-n-propylamine	70	5.309	5.309	(1.102)	471650	80.0000	66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.336	5.336	(1.108)	788154	80.0000	89(A)
*	20 Naphthalene-d8	136	6.175	6.175	(1.000)	573374	20.0000	
$	21 Nitrobenzene-d5	82	5.432	5.432	(0.880)	1108250	80.0000	83(A)
	22 Nitrobenzene	77	5.454	5.454	(0.883)	1105340	80.0000	82(A)
	23 Isophorone	82	5.721	5.721	(0.926)	540852	80.0000	30(H)
	24 2-Nitrophenol	139	5.785	5.785	(0.937)	488596	80.0000	89(A)
	25 2,4-Dimethylphenol	122	5.881	5.881	(0.952)	734376	80.0000	93(A)
	26 Benzoic Acid	122	6.127	6.127	(0.992)	404991	80.0000	100(AM)
	27 Bis(2-Chloroethoxy)methane	93	5.967	5.967	(0.966)	1025968	80.0000	80
	28 2,4-Dichlorophenol	162	6.057	6.057	(0.981)	694194	80.0000	85(A)
	29 1,2,4-Trichlorobenzene	180	6.122	6.122	(0.991)	886284	80.0000	84(A)
	30 Naphthalene	128	6.202	6.202	(1.004)	2527140	80.0000	84(A)
	31 4-Chloroaniline	127	6.276	6.276	(1.016)	710154	80.0000	70
	32 Hexachlorobutadiene	225	6.346	6.346	(1.028)	582154	80.0000	90(A)
	129 Caprolactam	113	6.731	6.731	(1.090)	138023	80.0000	87(AM)
	33 4-Chloro-3-methylphenol	107	6.832	6.832	(1.106)	655793	80.0000	80(A)
	34 2-Methylnaphthalene	142	6.939	6.939	(1.124)	1614534	80.0000	89(A)
*	35 Acenaphthene-d10	164	8.029	8.029	(1.000)	324062	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.901	6.901	(1.432)	684688	80.0000	85(A)
	37 Hexachlorocyclopentadiene	237	7.110	7.110	(0.886)	477147	80.0000	92(A)
	38 2,4,6-Trichlorophenol	196	7.249	7.249	(0.903)	505001	80.0000	88(A)
	39 2,4,5-Trichlorophenol	196	7.297	7.297	(0.909)	527974	80.0000	92(A)
$	40 2-Fluorobiphenyl	172	7.340	7.340	(0.914)	1705105	80.0000	86(A)
	130 1,1'-Biphenyl	154	7.441	7.441	(0.927)	1989887	80.0000	83(A)
	41 2-Chloronaphthalene	162	7.452	7.452	(0.928)	1670340	80.0000	85(A)
	42 2-Nitroaniline	65	7.575	7.575	(0.943)	483422	80.0000	82(A)
	43 Acenaphthylene	152	7.879	7.879	(0.981)	2332725	80.0000	84(A)
	44 Dimethylphthalate	163	7.783	7.783	(0.969)	1445340	80.0000	85(A)
	45 2,6-Dinitrotoluene	165	7.842	7.842	(0.977)	287404	80.0000	71
	46 Acenaphthene	153	8.071	8.071	(1.005)	1585671	80.0000	83(A)
	47 3-Nitroaniline	138	8.018	8.018	(0.999)	318435	80.0000	80
	48 2,4-Dinitrophenol	184	8.125	8.125	(1.012)	188959	80.0000	78
	49 Dibenzofuran	168	8.253	8.253	(1.028)	1965402	80.0000	79
	50 2,4-Dinitrotoluene	165	8.258	8.258	(1.029)	397238	80.0000	78
	51 4-Nitrophenol	109	8.232	8.232	(1.025)	183507	80.0000	96(A)
	52 Fluorene	166	8.616	8.616	(1.073)	1724697	80.0000	86(A)
	53 4-Chlorophenyl-phenylether	204	8.622	8.622	(1.074)	917667	80.0000	85(A)
	54 Diethylphthalate	149	8.531	8.531	(1.063)	1296937	80.0000	80
	55 4-Nitroaniline	138	8.675	8.675	(1.081)	240011	80.0000	73
$	56 2,4,6-Tribromophenol	330	8.873	8.873	(1.105)	159327	80.0000	84(A)
*	57 Phenanthrene-d10	188	9.594	9.594	(1.000)	425734	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.696	8.696	(0.906)	226130	80.0000	78
	59 N-Nitrosodiphenylamine (1)	169	8.761	8.761	(0.913)	1062112	80.0000	91(A)
	60 1,2-Diphenylhydrazine	77	8.793	8.793	(0.916)	1958148	80.0000	84(A)
	61 4-Bromophenyl-phenylether	248	9.135	9.135	(0.952)	454199	80.0000	94(A)
	131 Atrazine	200	9.343	9.343	(0.974)	249189	80.0000	90(A)
	62 Hexachlorobenzene	284	9.204	9.204	(0.959)	420996	80.0000	91(A)
	63 Pentachlorophenol	266	9.412	9.412	(0.981)	212530	80.0000	100(A)
	64 Phenanthrene	178	9.626	9.626	(1.003)	1930596	80.0000	82(A)
	65 Carbazole	167	9.856	9.856	(1.027)	1330571	80.0000	76
	66 Anthracene	178	9.679	9.679	(1.009)	1900793	80.0000	80
	67 Di-n-butylphthalate	149	10.240	10.240	(1.067)	1269609	80.0000	86(A)
	68 Fluoranthene	202	10.876	10.876	(1.134)	1447126	80.0000	75
*	70 Chrysene-d12	240	12.463	12.463	(1.000)	225362	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.020	11.020	(0.884)	111926	80.0000	62
72	Pyrene	202	11.111	11.111	(0.892)	1406865	80.0000	70
$ 73	Terphenyl-d14	244	11.287	11.287	(0.906)	819755	80.0000	77
74	Butylbenzylphthalate	149	11.811	11.811	(0.948)	553751	80.0000	83(A)
124	3,3'-Dimethylbenzidine	212	11.790	11.790	(0.946)	141503	80.0000	69
75	3,3'-Dichlorobenzidine	252	12.431	12.431	(0.997)	340220	80.0000	81(A)
76	Benzo(a)anthracene	228	12.452	12.452	(0.999)	1231898	80.0000	93(A)
77	Chrysene	228	12.505	12.505	(1.003)	1221690	80.0000	95(A)
78	Bis(2-Ethylhexyl)phthalate	149	12.511	12.511	(1.004)	745656	80.0000	82(A)
* 79	Perylene-d12	264	14.642	14.642	(1.000)	223154	20.0000	
80	Di-n-octylphthalate	149	13.424	13.424	(0.917)	1185763	80.0000	78
81	Benzo(b)fluoranthene	252	14.007	14.007	(0.957)	1024814	80.0000	86(A)
82	Benzo(k)fluoranthene	252	14.060	14.060	(0.960)	1078250	80.0000	90(A)
83	Benzo(a)pyrene	252	14.552	14.552	(0.994)	877007	80.0000	85(AM)
84	Indeno(1,2,3-cd)pyrene	276	16.678	16.678	(1.139)	977434	80.0000	94(AM)
85	Dibenzo(a,h)anthracene	278	16.731	16.731	(1.143)	902176	80.0000	87(A)
86	Benzo(g,h,i)perylene	276	17.217	17.217	(1.176)	947259	80.0000	89(AM)
167	Simazine	201	9.311	9.311	(0.970)	153479	16.0000	24
103	1,2,4,5-Tetrachlorobenzene	216	7.115	7.115	(0.886)	428406	80.0000	79
109	2,3,4,6-Tetrachlorophenol	232	8.397	8.397	(1.046)	367151	80.0000	91(A)
119	Pentachloronitrobenzene	237	9.428	9.428	(0.983)	162579	80.0000	92(A)

QC Flag Legend

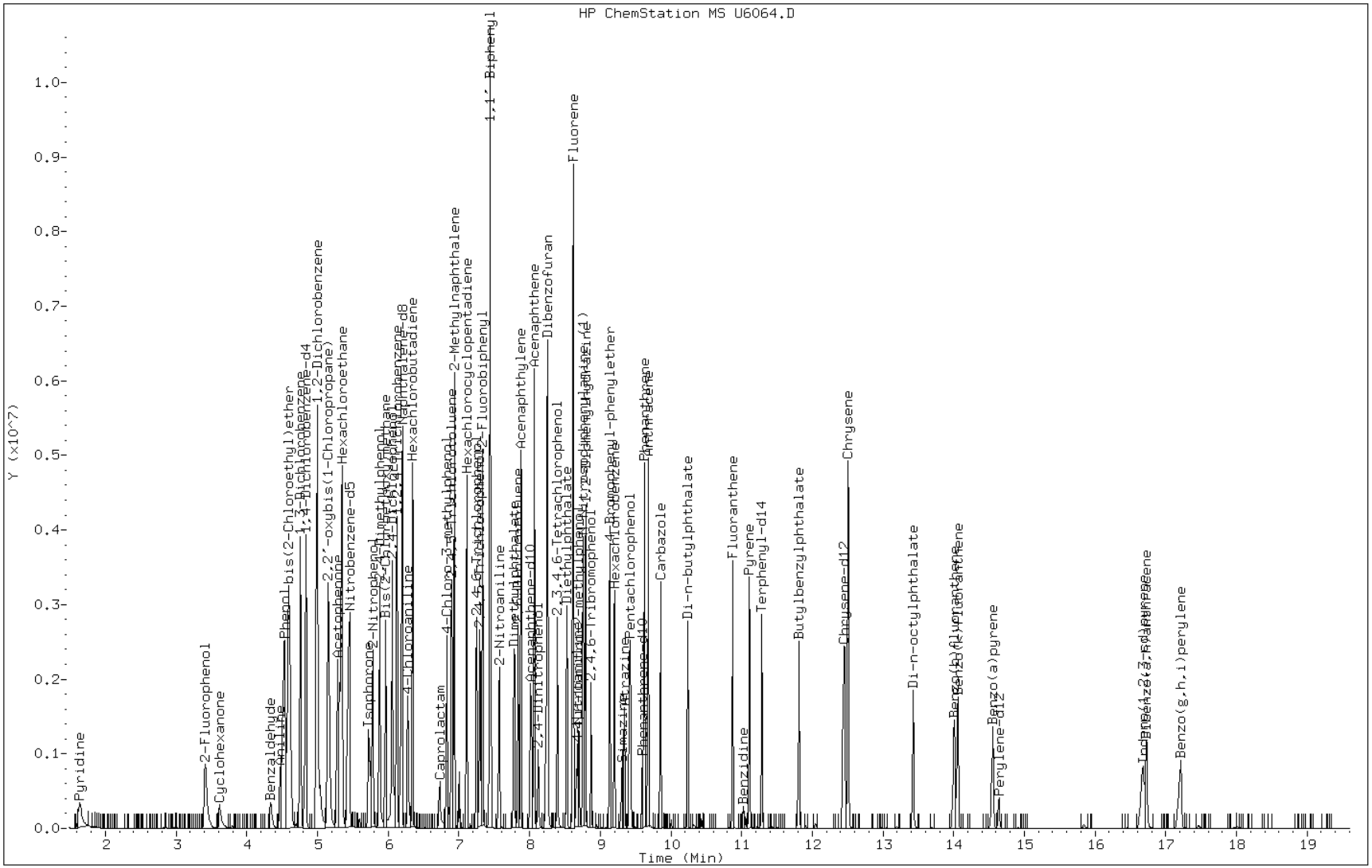
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: U6064.D

Date: 28-JUL-2011 11:47

Client ID: IC-635518 Instrument: msu.i

Sample Info: IC-635518 Operator: S.Jonas



Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 07/28/2011

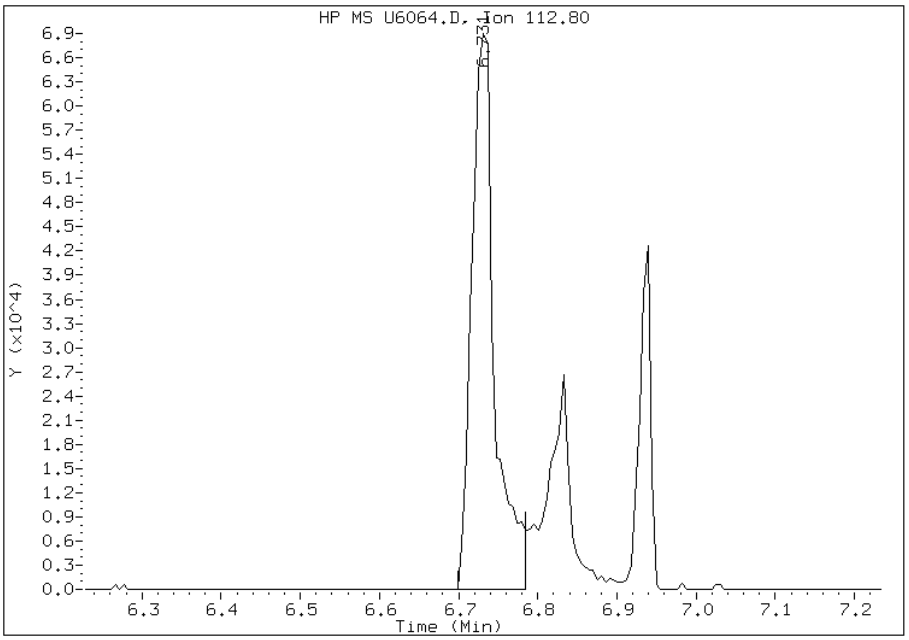
Processing Integration Results

RT: 6.73

Response: 138023

Amount: 87

Conc: 87



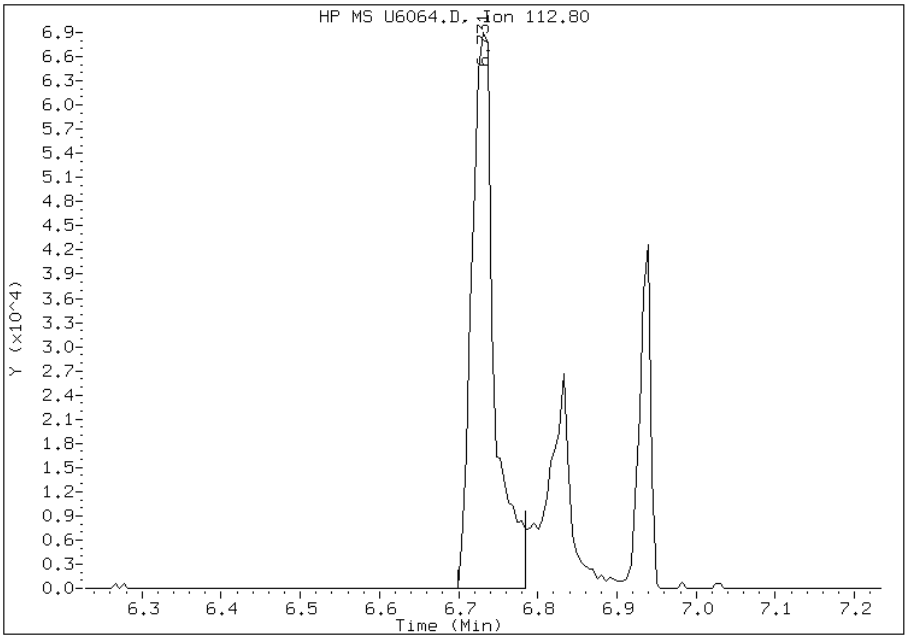
Manual Integration Results

RT: 6.73

Response: 138023

Amount: 87

Conc: 87



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 3 Phenol-d5
CAS #: 4165-62-2
Report Date: 07/28/2011

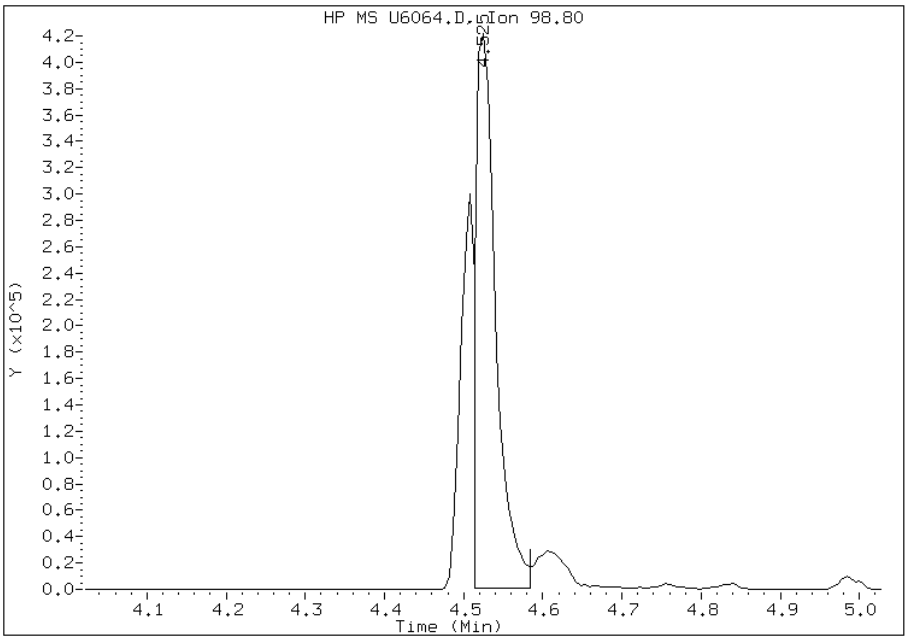
Processing Integration Results

RT: 4.52

Response: 747488

Amount: 63

Conc: 63



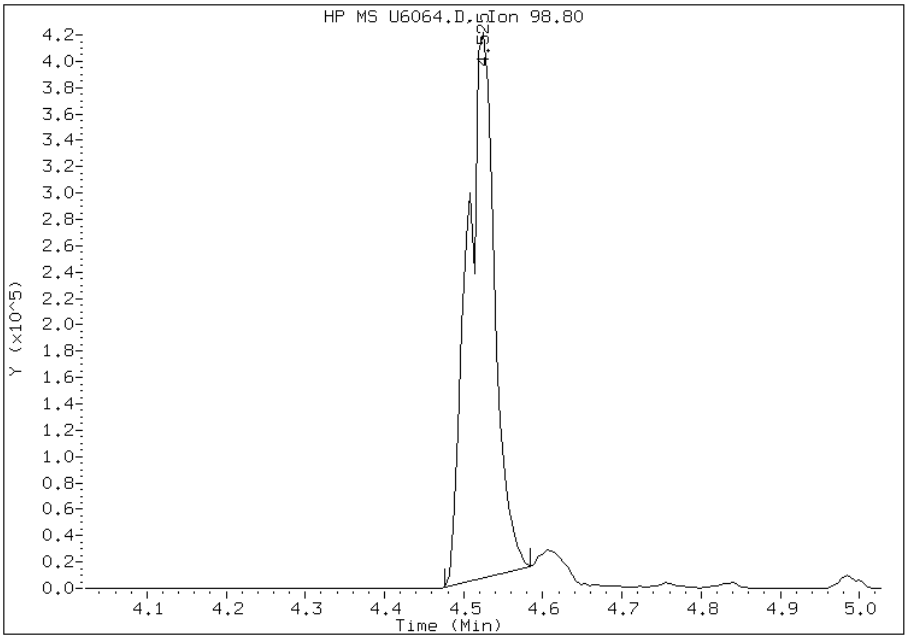
Manual Integration Results

RT: 4.52

Response: 995619

Amount: 81

Conc: 81



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 6 Cyclohexanone
CAS #: 108-94-1
Report Date: 07/28/2011

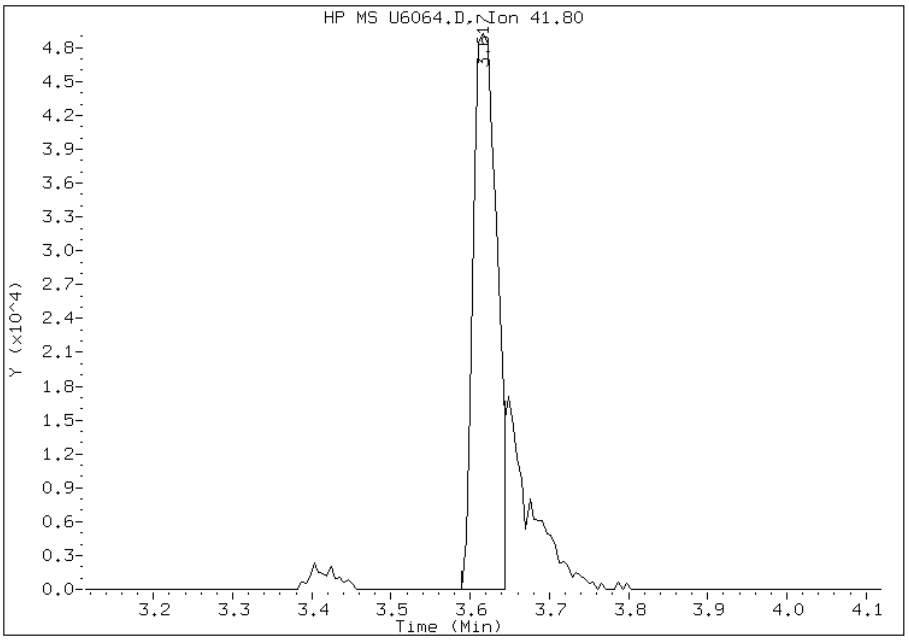
Processing Integration Results

RT: 3.62

Response: 101527

Amount: 28

Conc: 28



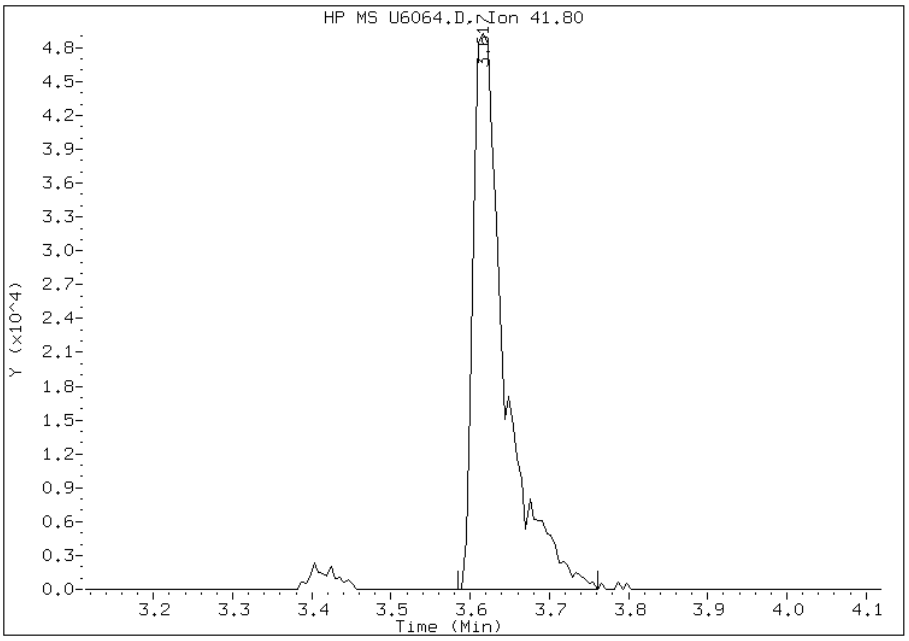
Manual Integration Results

RT: 3.62

Response: 137083

Amount: 37

Conc: 37



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 5 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 07/28/2011

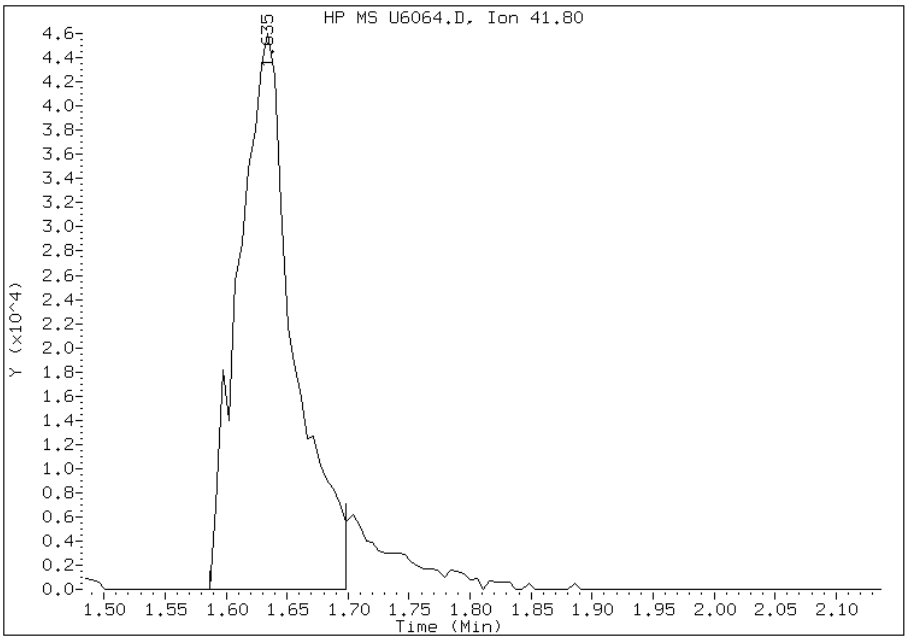
Processing Integration Results

RT: 1.63

Response: 144840

Amount: 78

Conc: 78



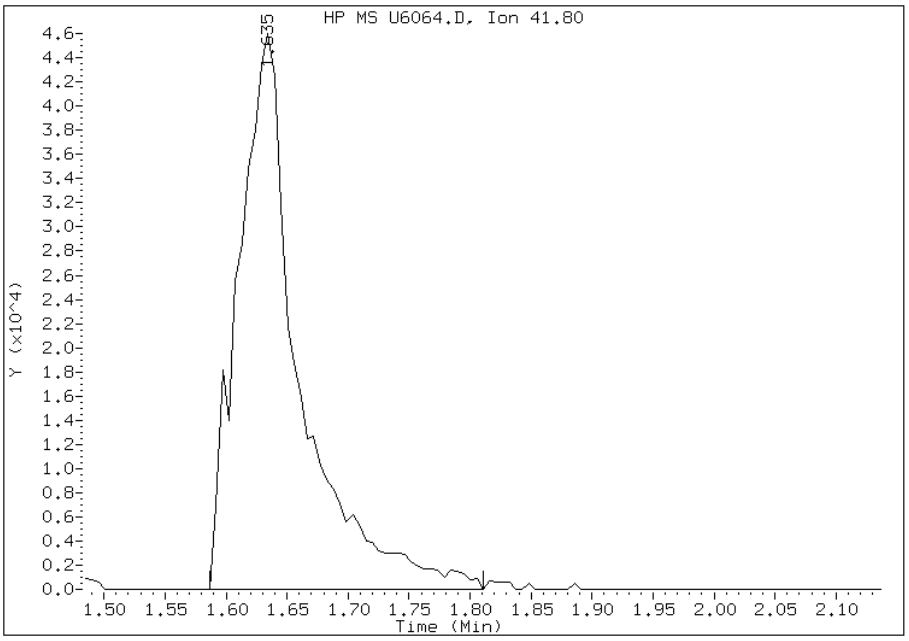
Manual Integration Results

RT: 1.63

Response: 161136

Amount: 85

Conc: 85



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 83 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 07/28/2011

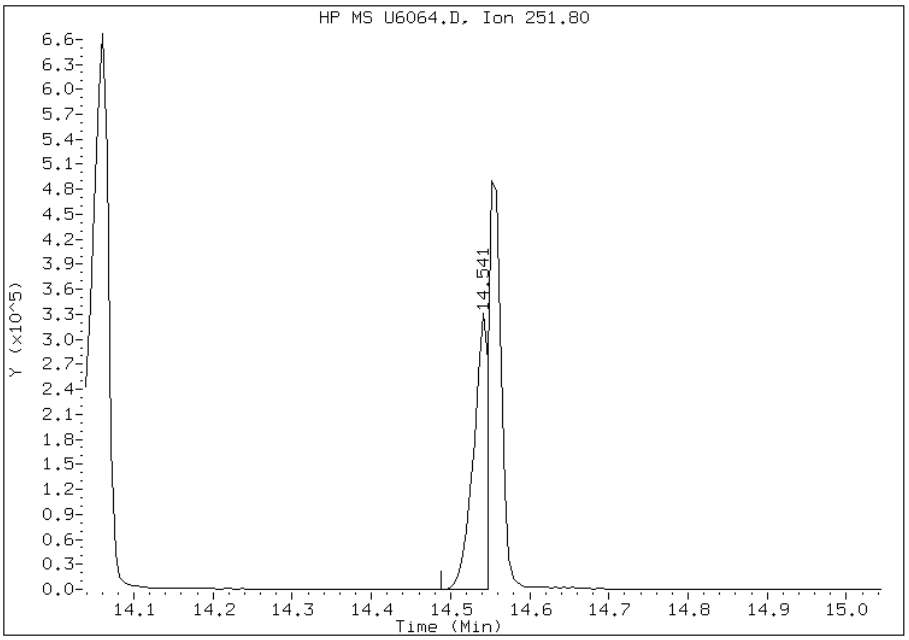
Processing Integration Results

RT: 14.54

Response: 413049

Amount: 44

Conc: 44



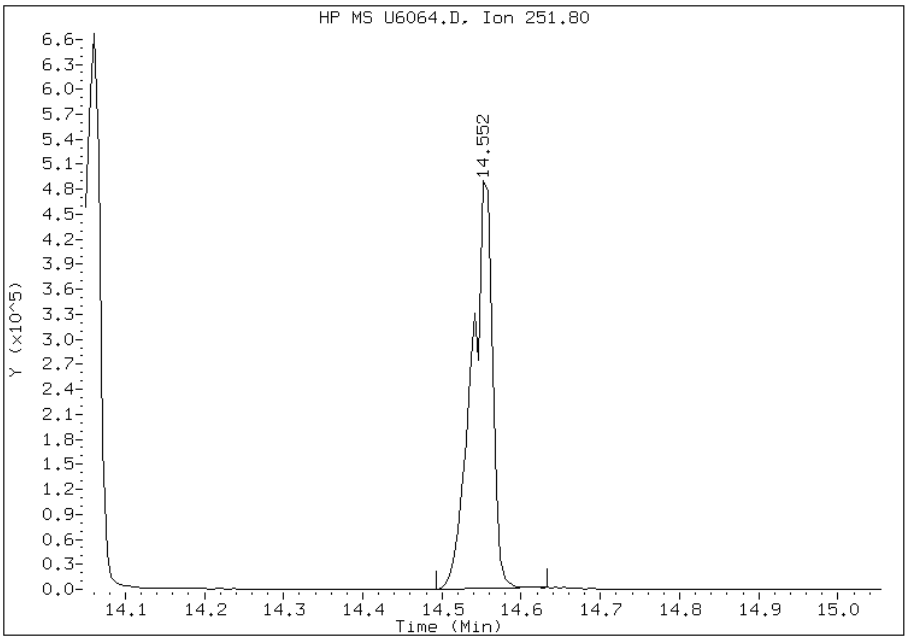
Manual Integration Results

RT: 14.55

Response: 877007

Amount: 85

Conc: 85



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 07/28/2011

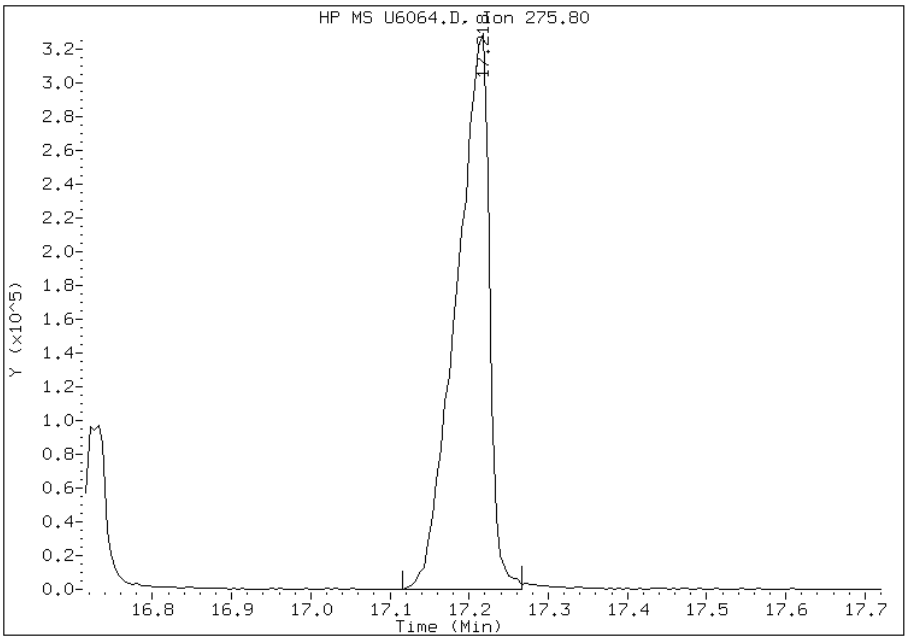
Processing Integration Results

RT: 17.22

Response: 947259

Amount: 89

Conc: 89



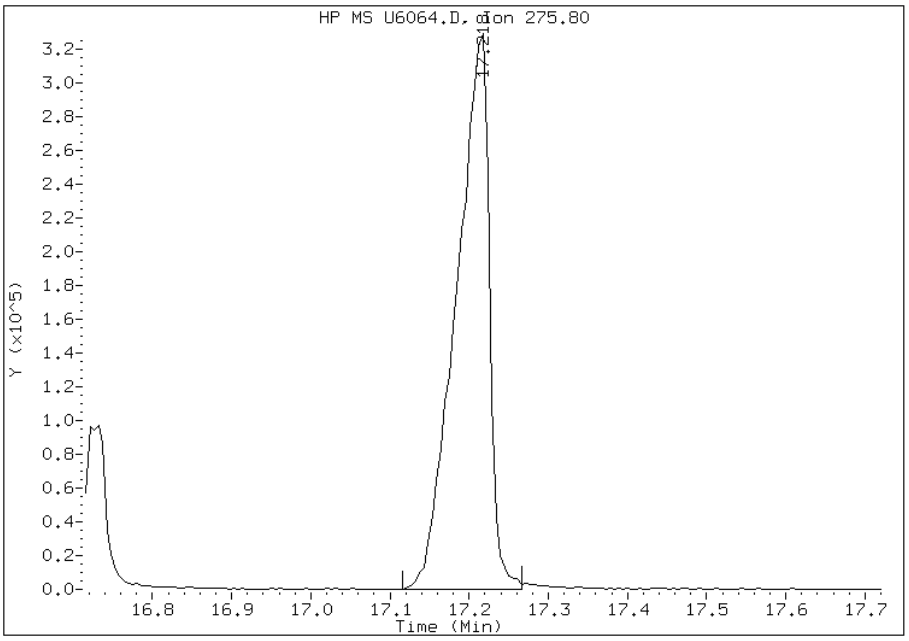
Manual Integration Results

RT: 17.22

Response: 947259

Amount: 89

Conc: 89



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 07/28/2011

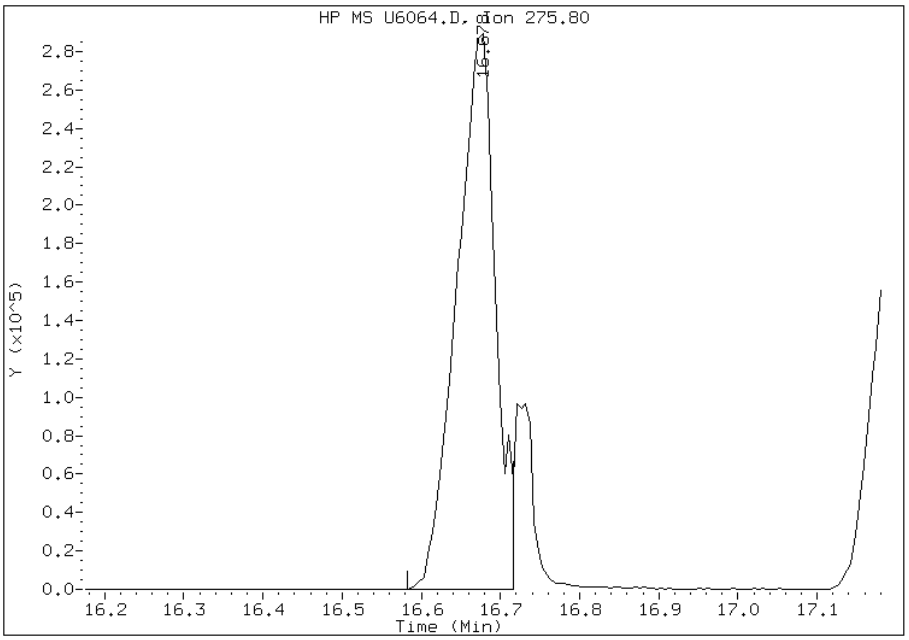
Processing Integration Results

RT: 16.68

Response: 977434

Amount: 94

Conc: 94



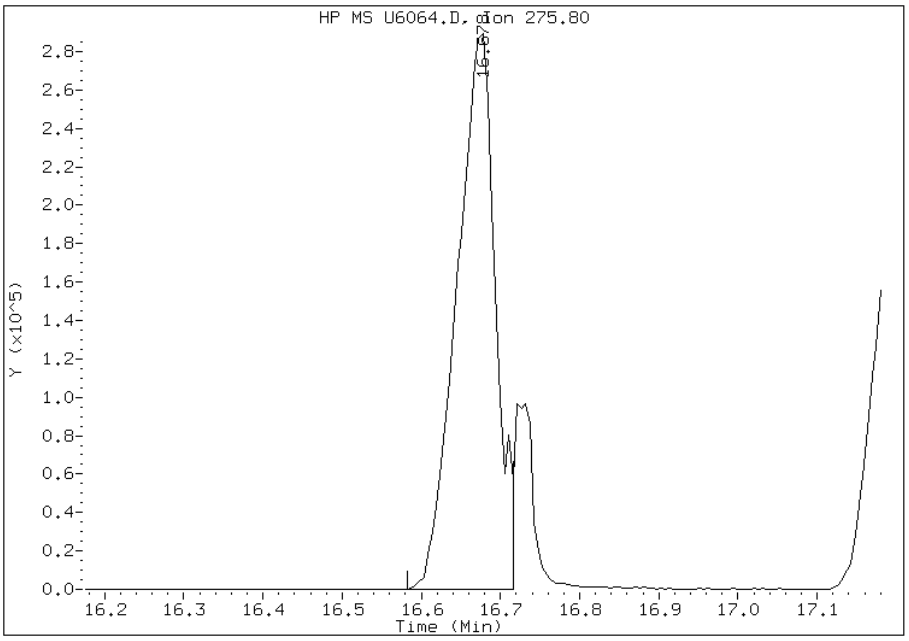
Manual Integration Results

RT: 16.68

Response: 977434

Amount: 94

Conc: 94



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 07/28/2011

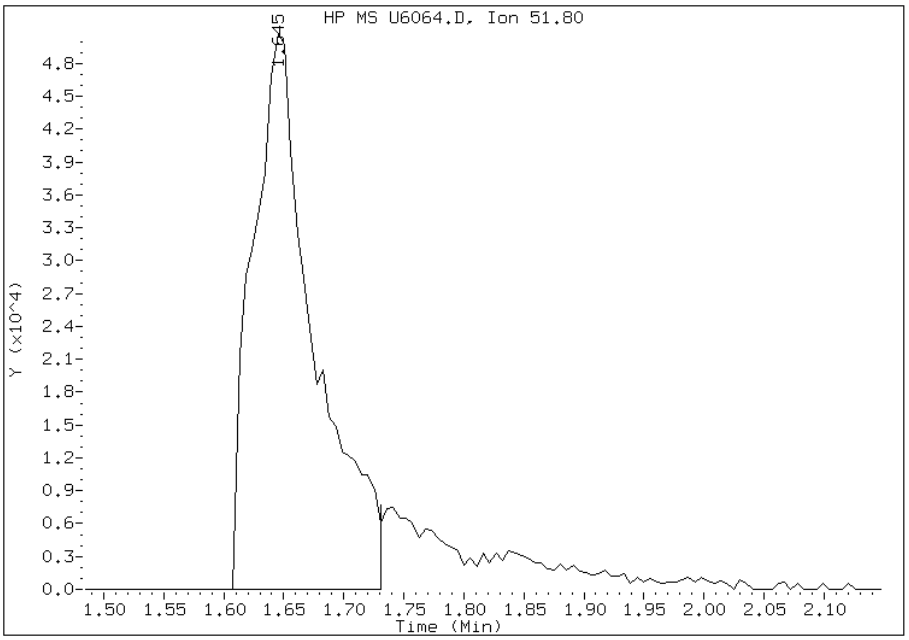
Processing Integration Results

RT: 1.65

Response: 181932

Amount: 82

Conc: 82



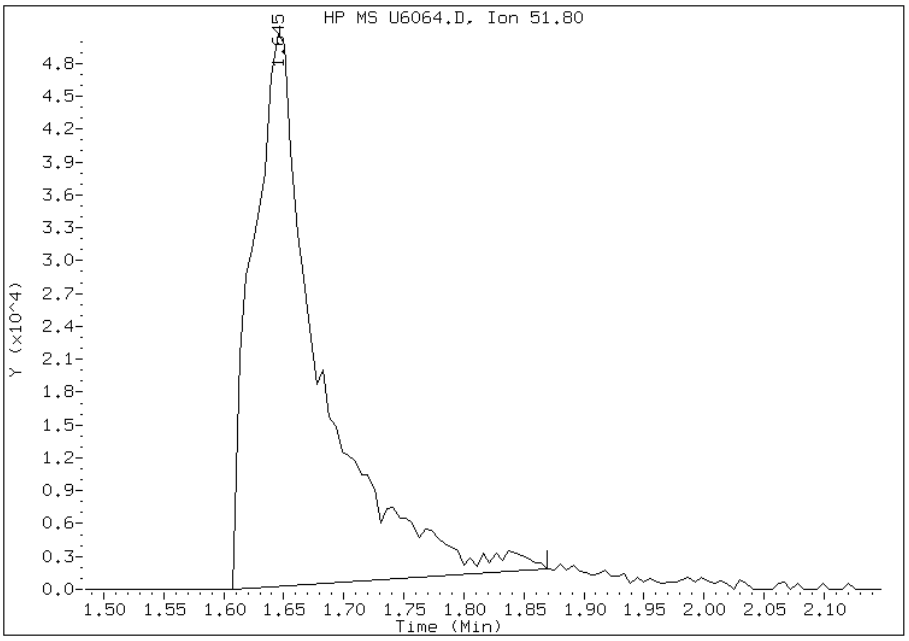
Manual Integration Results

RT: 1.65

Response: 200437

Amount: 89

Conc: 89



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6064.D
Inj. Date and Time: 28-JUL-2011 11:47
Instrument ID: msu.i
Client ID: IC-635518
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 07/28/2011

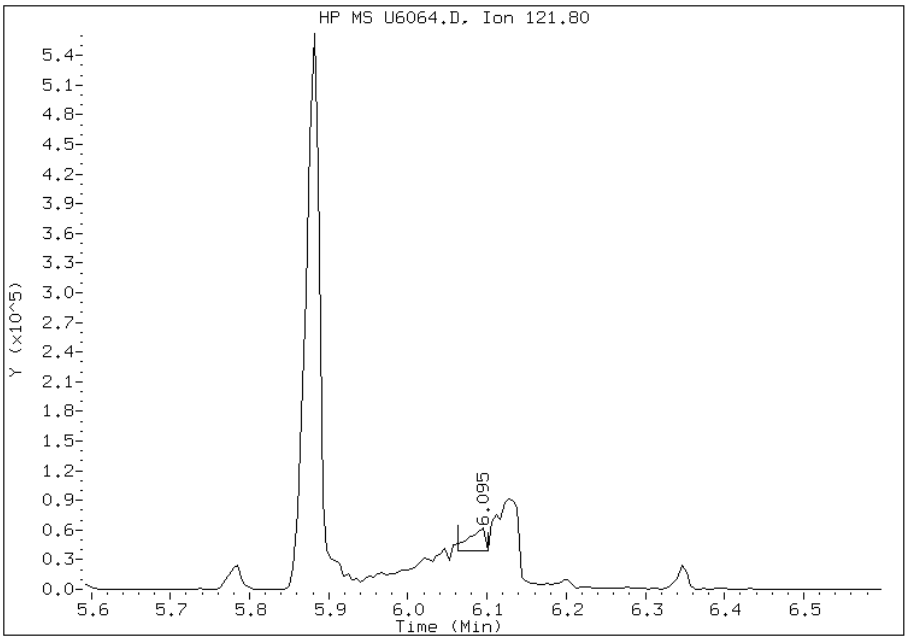
Processing Integration Results

RT: 6.10

Response: 31208

Amount: 9

Conc: 9



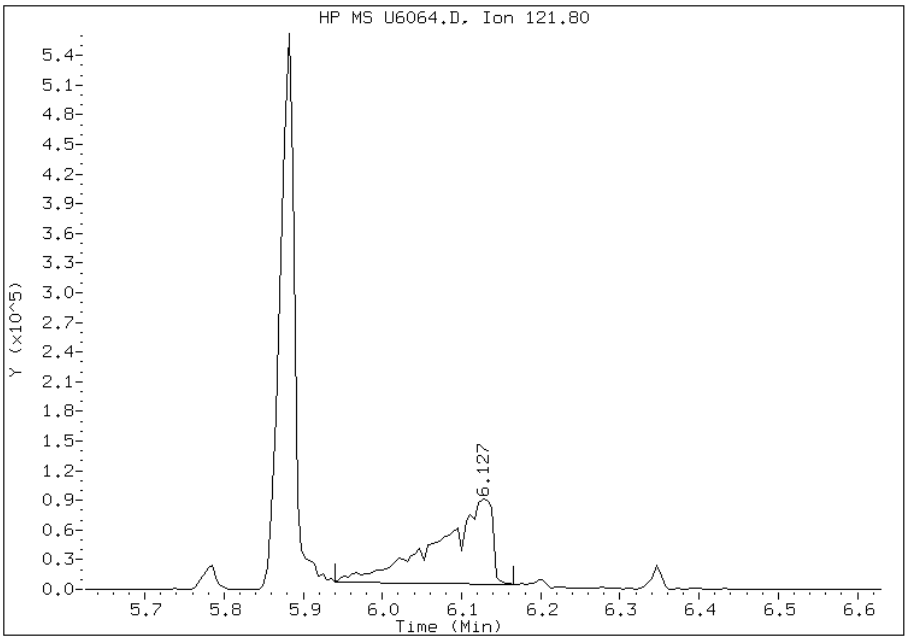
Manual Integration Results

RT: 6.13

Response: 404991

Amount: 102

Conc: 102



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53606/2	U6150.D
Level 2	IC 220-53606/3	U6151.D
Level 3	IC 220-53606/4	U6152.D
Level 4	IC 220-53606/5	U6153.D
Level 5	ICIS 220-53606/1	U6149.D
Level 6	IC 220-53606/6	U6154.D
Level 7	IC 220-53606/7	U6155.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.2318 0.1928	0.2301 0.2357	0.2133	0.2434	0.2071	Ave		0.2220				8.1		15.0			
Pyridine	0.2558 0.2418	0.2837 0.3000	0.2875	0.2963	0.2738	Ave		0.2770				7.7		15.0			
Cyclohexanone	0.5603 0.4734	0.5275 0.5063	0.4426	0.4006	0.4829	Ave		0.4848				11.0		15.0			
Benzaldehyde	0.5022 0.2647	0.9853 0.1961	0.9194	0.8735	0.2036	Ave		0.5635				63.1	*	15.0			
Aniline	2.1213 2.0573	2.0890 1.5403	1.8992	1.9158	1.6338	Ave		1.8938				12.0		15.0			
Phenol	1.8348 1.6553	1.6576 1.5107	1.7089	1.8373	1.3305	Ave		1.6479				10.9		30.0			
Bis(2-chloroethyl)ether	0.9577 0.8973	0.9661 0.9338	0.9305	1.0372	0.9368	Ave		0.9513				4.6		15.0			
2-Chlorophenol	1.3552 1.3177	1.2933 1.3720	1.2929	1.1481	1.2318	Ave		1.2873				6.0		15.0			
1,3-Dichlorobenzene	1.4249 1.5181	1.3370 1.5521	1.4696	1.3705	1.3912	Ave		1.4376				5.5		15.0			
1,4-Dichlorobenzene	1.6498 1.5469	1.5059 1.6614	1.5154	1.6754	1.4413	Ave		1.5708				5.8		30.0			
1,2-Dichlorobenzene	1.5627 1.3752	1.4426 1.6227	1.4338	1.6049	1.3934	Ave		1.4908				6.9		15.0			
Benzyl alcohol	0.5375 0.6073	0.5936 0.6675	0.6273	0.6434	0.5418	Ave		0.6026				8.2		15.0			
2,2'-oxybis[1-chloropropane]	1.3624 1.1501	1.2264 1.1657	1.1933	1.2962	1.1600	Ave		1.2220				6.5		15.0			
2-Methylphenol	1.2937 1.1810	1.2486 1.2232	1.2520	1.1611	1.1054	Ave		1.2093				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	1.8995 1.8543	1.9072 1.7814	1.9280	1.8156	1.7922	Ave		1.8540				3.2		15.0			
N-Nitrosodi-n-propylamine	1.0953 0.9581	1.0039 0.9391	0.9822	1.0749	0.9422	Ave		0.9994			0.0500	6.3		15.0			
Methylphenol, 3 & 4	1.3539 1.2354	1.2525 1.3305	1.2229	1.2457	1.1756	Ave		1.2595				4.9		15.0			
Hexachloroethane	0.8052 0.7115	0.7197 0.8353	0.7467	0.8220	0.7144	Ave		0.7650				7.1		15.0			
Nitrobenzene	0.3710 0.3863	0.3697 0.3746	0.3781	0.3996	0.3683	Ave		0.3782				3.0		15.0			
Isophorone	0.5733 0.5991	0.5868 0.5955	0.6084	0.6279	0.6032	Ave		0.5992				2.9		15.0			
2-Nitrophenol	0.1568 0.1710	0.1635 0.1757	0.1744	0.1604	0.1713	Ave		0.1676				4.4		30.0			
2,4-Dimethylphenol	0.1944 0.2399	0.2003 0.2493	0.2314	0.2416	0.2441	Ave		0.2287				9.7		15.0			
Bis(2-chloroethoxy)methane	0.3776 0.4085	0.3887 0.3979	0.3980	0.4158	0.3915	Ave		0.3969				3.2		15.0			
Benzoic acid	0.0153 0.1134	0.0327 0.1254	0.0813	0.1071	0.0931	Qua	0.2832	9.2686	-3.712					15.0	0.9945		0.9900
2,4-Dichlorophenol	0.2261 0.2740	0.2439 0.2607	0.2736	0.2809	0.2533	Ave		0.2589				7.5		30.0			
1,2,4-Trichlorobenzene	0.2489 0.3075	0.2943 0.2815	0.3113	0.3215	0.2951	Ave		0.2943				8.1		15.0			
Naphthalene	0.9048 0.9406	0.8916 0.9123	0.7425	0.9287	0.8668	Ave		0.8839				7.6		15.0			
4-Chloroaniline	0.3241 0.3574	0.3217 0.3260	0.2939	0.3298	0.3446	Ave		0.3282				6.0		15.0			
Hexachlorobutadiene	0.1890 0.1991	0.1758 0.1766	0.1894	0.1743	0.1796	Ave		0.1834				5.0		30.0			
Caprolactam	0.0294 0.0632	0.0423 0.0649	0.0577	0.0669	0.0619	Lin	0.0531	0.0652						15.0	0.9992		0.9900
4-Chloro-3-methylphenol	0.2651 0.2670	0.2409 0.2482	0.2586	0.2805	0.2450	Ave		0.2579				5.5		30.0			
2,4,5-Trichlorotoluene	0.9436 1.0400	1.0477 1.0980	0.8483	1.1784	0.9227	Ave		1.0112				11.2		15.0			
2-Methylnaphthalene	0.5702 0.6216	0.5615 0.5763	0.5190	0.6290	0.5907	Ave		0.5812				6.4		15.0			
Hexachlorocyclopentadiene	0.1113 0.2993	0.1339 0.3014	0.1791	0.2444	0.2621	Lin	0.1666	0.3113			0.0500			15.0	0.9968		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.2245 0.2567	0.1666 0.2532	0.2385	0.2014	0.1908	Qua	0.0044	5.2190	-1.355					15.0	0.9916		0.9900
2,4,6-Trichlorophenol	0.2858 0.2748	0.3283 0.3084	0.2809	0.2889	0.2778	Ave		0.2921				6.6		30.0			
2,4,5-Trichlorophenol	+++++ 0.3437	0.2270 0.3069	0.3081	0.3148	0.3253	Ave		0.3043				13.2		15.0			
1,1'-Biphenyl	1.0817 1.1854	1.2230 1.1594	1.1171	1.1394	1.1299	Ave		1.1480				4.0		15.0			
2-Chloronaphthalene	0.9320 1.0360	1.1213 0.9619	0.8586	0.9136	0.9797	Ave		0.9719				8.9		15.0			
2-Nitroaniline	0.2367 0.2575	0.2442 0.2732	0.2827	0.2915	0.2874	Ave		0.2676				8.1		15.0			
Dimethyl phthalate	0.8202 0.9802	1.0025 0.9076	0.7925	0.9526	0.9507	Ave		0.9152				8.8		15.0			
2,6-Dinitrotoluene	0.1840 0.2384	0.2277 0.2199	0.2314	0.2402	0.2341	Ave		0.2251				8.6		15.0			
Acenaphthylene	1.3560 1.5227	1.3476 1.4664	1.4502	1.4993	1.4786	Ave		1.4458				4.7		15.0			
3-Nitroaniline	0.1855 0.1845	0.2473 0.2144	0.2170	0.2295	0.2285	Ave		0.2152				10.8		15.0			
Acenaphthene	0.8816 0.9425	1.0299 0.8903	0.8717	0.9340	0.9124	Ave		0.9232				5.8		30.0			
2,4-Dinitrophenol	0.0231 0.1087	0.0585 0.1175	0.0893	0.1013	0.0991	Lin	0.2897	0.1235			0.0500			15.0	0.9966		0.9900
4-Nitrophenol	+++++ 0.1377	0.1077 0.1304	0.1083	0.1153	0.1224	Ave		0.1203			0.0500	10.1		15.0			
Dibenzofuran	1.2447 1.3867	1.4683 1.3522	1.0488	1.1016	1.3368	Ave		1.2770				12.0		15.0			
2,4-Dinitrotoluene	0.2353 0.2841	0.3119 0.2952	0.2793	0.2479	0.3048	Ave		0.2798				10.2		15.0			
2,3,4,6-Tetrachlorophenol	+++++ 0.2343	0.1609 0.2333	0.2071	0.1744	0.2178	Ave		0.2046				15.0		15.0			
Diethyl phthalate	0.7280 0.9122	0.9727 0.8345	0.8635	0.9032	0.8891	Ave		0.8719				8.8		15.0			
Fluorene	0.9540 1.0569	1.1839 1.1015	1.0756	1.1142	1.1118	Ave		1.0854				6.5		15.0			
4-Chlorophenyl phenyl ether	0.4656 0.5602	0.5687 0.5402	0.4608	0.5182	0.5435	Ave		0.5225				8.3		15.0			
4-Nitroaniline	0.1572 0.2003	0.2146 0.1875	0.1789	0.1939	0.2063	Ave		0.1912				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	0.0416 0.1173	0.0756 0.1180	0.0926	0.1144	0.1073	Lin	0.2104	0.1246						15.0	0.9974		0.9900
N-Nitrosodiphenylamine	0.4088 0.5075	0.4756 0.5182	0.4892	0.5281	0.4891	Ave		0.4881				8.1		30.0			
1,2-Diphenylhydrazine	0.7475 0.8475	0.7537 0.8678	0.8252	0.8658	0.7965	Ave		0.8148				6.2		15.0			
4-Bromophenyl phenyl ether	0.1899 0.2262	0.2058 0.2283	0.1962	0.2250	0.2132	Ave		0.2121				7.2		15.0			
Hexachlorobenzene	0.2053 0.2046	0.2193 0.2365	0.2011	0.2356	0.1890	Ave		0.2130				8.5		15.0			
Simazine	0.0659 0.0949	0.3402 0.4733	0.3748	0.3824	0.4450	Ave		0.3109				52.7	*	15.0			
Atrazine	+++++ 0.1561	0.1314 0.1561	0.1143	0.1206	0.1452	Ave		0.1373				13.1		15.0			
Pentachlorophenol	0.0066 0.0885	0.0333 0.0883	0.0631	0.0735	0.0632	Qua	0.2805	12.684	-6.723					30.0	0.9909		0.9900
Pentachloronitrobenzene	0.0649 0.0816	0.0658 0.0810	0.0851	0.0621	0.0779	Ave		0.0741				12.8		15.0			
Phenanthrene	0.8695 0.9976	0.9709 0.9390	0.9250	1.0236	0.9616	Ave		0.9553				5.3		15.0			
Anthracene	0.7422 0.8897	0.9900 0.8089	0.8662	1.0219	0.9614	Ave		0.8972				11.3		15.0			
Carbazole	0.7348 0.7951	0.7579 0.7451	0.7958	0.8646	0.6889	Ave		0.7689				7.3		15.0			
Di-n-butyl phthalate	0.6083 0.7902	0.7153 0.7584	0.7465	0.8398	0.7392	Ave		0.7425				9.6		15.0			
Fluoranthene	0.8270 0.8017	0.9555 0.7735	0.8114	0.9853	0.8705	Ave		0.8607				9.4		30.0			
Benzidine	0.0531 0.2685	0.1313 0.2114	0.1656	0.1447	0.2335	Ave		0.1726				41.8	*	15.0			
Pyrene	1.4674 1.4645	1.4077 1.1825	1.6734	1.6316	1.4960	Ave		1.4747				10.9		15.0			
3,3'-Dimethylbenzidine	0.0655 0.2228	0.0848 0.1854	0.1255	0.1433	0.1815	Ave		0.1441				39.4	*	15.0			
Butyl benzyl phthalate	+++++ 0.4675	0.3099 0.3772	0.3499	0.3889	0.3915	Ave		0.3808				13.7		15.0			
3,3'-Dichlorobenzidine	+++++ 0.3424	0.2178 0.2867	0.2776	0.2970	0.3082	Ave		0.2883				14.3		15.0			
Benzo[a]anthracene	0.8265 0.9813	0.8984 0.8849	0.9537	0.9301	0.9358	Ave		0.9158				5.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	0.8237 1.0230	0.8424 0.8866	0.9166	0.9055	0.9087	Ave		0.9009				7.1		15.0			
Bis(2-ethylhexyl) phthalate	0.4265 0.6459	0.4089 0.5721	0.4649	0.4665	0.5360	Ave		0.5030				17.0	*	15.0			
Di-n-octyl phthalate	0.8775 1.0450	0.9175 1.0610	0.9793	0.9980	0.9743	Ave		0.9789				6.7		30.0			
Benzo[b]fluoranthene	0.8516 1.0182	0.9196 0.9592	1.0338	0.9797	1.0009	Ave		0.9661				6.5		15.0			
Benzo[k]fluoranthene	0.9229 1.1011	0.9267 0.9601	1.0935	1.0110	1.0676	Ave		1.0119				7.6		15.0			
Benzo[a]pyrene	0.7614 0.9331	0.7912 0.8883	0.9266	0.8070	0.9058	Ave		0.8591				8.2		30.0			
Indeno[1,2,3-cd]pyrene	0.7658 0.9803	0.7168 0.9051	0.8422	0.8992	0.9486	Ave		0.8654				11.1		15.0			
Dibenz(a,h)anthracene	0.7488 0.9377	0.8069 0.7984	0.8652	0.8677	0.9248	Ave		0.8500				8.1		15.0			
Benzo[g,h,i]perylene	0.7636 0.8845	0.8491 0.8506	0.9569	0.8991	0.8841	Ave		0.8697				6.8		15.0			
2-Fluorophenol	1.2590 1.0575	1.1760 1.2412	1.1735	1.2720	1.1182	Ave		1.1854				6.6		15.0			
Phenol-d5	1.8203 1.6483	1.6279 1.7042	1.6356	1.8456	1.5022	Ave		1.6834				7.1		15.0			
Nitrobenzene-d5	0.3413 0.3866	0.3587 0.3616	0.3786	0.3904	0.3715	Ave		0.3698				4.7		15.0			
2-Fluorobiphenyl	0.8946 1.0844	1.1455 1.0290	1.0379	1.0445	1.0256	Ave		1.0374				7.3		15.0			
2,4,6-Tribromophenol	+++++ 0.1399	0.1300 0.1319	0.1109	0.1183	0.1090	Ave		0.1233				10.1		15.0			
Terphenyl-d14	0.8715 0.8862	0.8775 0.6679	0.9574	0.9911	0.8886	Ave		0.8772				11.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53606/2	U6150.D
Level 2	IC 220-53606/3	U6151.D
Level 3	IC 220-53606/4	U6152.D
Level 4	IC 220-53606/5	U6153.D
Level 5	ICIS 220-53606/1	U6149.D
Level 6	IC 220-53606/6	U6154.D
Level 7	IC 220-53606/7	U6155.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	4428 109964	9088 168535	21783	44849	83580	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	4885 137952	11206 214521	29350	54595	110486	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	10702 270018	20840 362032	45190	73797	194856	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	9592 150988	38924 140203	93871	160924	82178	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	40517 1173484	82523 1101461	193915	352961	659291	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	35045 944206	65481 1080291	174490	338489	536916	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	18292 511845	38164 667774	95010	191078	378015	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	25885 751659	51091 981118	132015	211511	497063	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	27215 865934	52815 1109896	150057	252495	561418	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	31510 882342	59487 1188025	154725	308658	581628	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	29848 784405	56986 1160369	146394	295679	562303	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	10267 346418	23448 477304	64048	118544	218624	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	26021 656044	48445 833573	121846	238796	468086	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	24710 673631	49325 874690	127835	213908	446052	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	36280 1057709	75342 1273862	196862	334492	723228	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	20920 546487	39656 671559	100285	198028	380194	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Methylphenol, 3 & 4	DCB	Ave	25859 704697	49479 951406	124868	229501	474386	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	15380 405835	28432 597300	76241	151444	288304	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	33757 894222	64319 1193272	163278	326709	614930	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	52170 1386916	102087 1896998	262702	513320	1007009	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	14269 395768	28447 559861	75300	131089	286064	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	17691 555266	34857 794307	99934	197498	407606	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	34358 945638	67631 1267705	171871	339911	653593	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Qua	3483 262464	14228 399470	87757	131381	155365	5.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	20576 634170	42429 830505	118149	229615	422943	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	22644 711856	51197 896629	134439	262810	492736	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	82331 2177330	155119 2906261	320629	759200	1447170	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	29494 827332	55966 1038445	126926	269609	575286	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	17202 460869	30592 562730	81767	142523	299819	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Lin	2678 146374	7363 206765	24924	54689	103366	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	24118 618102	41913 790612	111643	229335	409024	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	18023 593203	41387 785148	86620	217104	372353	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	51888 1438982	97697 1835930	224110	514179	986235	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Lin	6223 426447	12539 591345	48630	127569	264778	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Qua	12546 365737	19492 496914	64770	131395	192801	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	15971 391639	30733 605134	76283	150789	280620	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	+++++ 489816	53139 602165	209164	246469	328615	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	60454 1689115	114501 2275033	303371	594778	1141450	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	52087 1476256	104979 1887524	233177	476933	989778	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	13229 366938	22866 536075	76778	152185	290390	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	45840 1396747	93859 1780953	215237	497293	960451	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	10283 339660	21313 431530	62837	125370	236536	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	75788 2169671	126168 2877463	393842	782675	1493795	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	10365 262906	23150 420695	58922	119807	230847	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	49274 1342997	96422 1746950	236741	487580	921746	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Lin	3223 154916	13684 230497	60660	79333	100072	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Ave	+++++ 196163	25211 255802	73558	90302	123696	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	69568 1975976	137468 2653266	284835	575053	1350466	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	13152 404843	29196 579272	75854	129398	307974	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	+++++ 333879	18824 457766	56239	113817	220003	+++++ 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	40686 1299873	91066 1637546	234512	471473	898254	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	53318 1506072	110843 2161383	292108	581612	1123149	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	26023 798206	53244 1060077	125154	270502	549120	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	8784 285375	20095 367921	48572	101203	208437	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Lin	8485 236542	28268 311809	92327	125107	158596	5.00 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	33366 1023039	71156 1369575	195116	384947	722582	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	61002 1708412	112767 2293522	329113	631154	1176823	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	15500 455957	30792 603432	78235	164029	314958	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	16753 412446	32811 625111	80197	171710	279171	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	5377 191376	10181 250162	29901	55745	131493	2.00 60.0	0.800 16.0	2.00	4.00	8.00
Atrazine	PHN	Ave	+++++ 314603	19663 412657	45606	87893	214595	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Qua	1354 178392	12450 233360	62934	80375	93430	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	5293 164594	12307 214147	33959	56595	115025	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	70959 2010926	145266 2481722	368916	746142	1420704	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	60569 1793521	148128 2137944	345484	744889	1420471	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	59965 1602902	113393 1969406	317402	630290	1017767	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	49641 1593000	107018 2004357	297731	612188	1092192	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluoranthene	PHN	Ave	67497 1616174	142967 2044444	323634	718214	1286107	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Ave	2475 288759	12561 350062	36490	60711	192932	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	68381 1575068	134721 1957833	368732	684770	1236118	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	3051 239637	8115 306955	27660	60164	150008	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	+++++ 502778	29659 624536	77096	163215	323490	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 368259	20845 474648	61171	124645	254663	+++++ 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	38516 1055385	85974 1465210	210154	390346	773203	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	38383 1100190	80621 1467968	201967	380038	750864	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	19875 694636	39131 947307	102440	195795	442878	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Ave	29137 1030313	62647 1458014	163233	361523	675620	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	28277 1003871	62788 1318113	172315	354890	694099	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1 Analy Batch No.: 53606

SDG No.:

Instrument ID: MSU GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2011 10:34 Calibration End Date: 08/03/2011 13:36 Calibration ID: 11689

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	30646 1085590	63273 1319465	182270	366239	740311	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	25283 919968	54025 1220806	154450	292328	628137	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	25427 966486	48945 1243838	140375	325736	657806	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	24865 924572	55093 1097219	144212	314336	641338	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Ave	25355 872068	57976 1168874	159491	325706	613062	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	24047 603198	46456 887568	119821	234345	451251	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	34767 940219	64306 1218631	167004	340029	606194	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	31059 894933	62403 1151922	163477	319136	620267	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	49998 1545216	107247 2019177	281857	545230	1036076	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	+++++ 199374	30418 258863	75319	92600	110113	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	40610 953049	83976 1105870	210960	415949	734243	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6149.D
Lab Smp Id: ICIS-648163 Client Smp ID: ICIS-648163
Inj Date : 03-AUG-2011 10:34
Operator : S.Jonas Inst ID: msu.i
Smp Info : ICIS-648163
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 07:01 msu.i Quant Type: ISTD
Cal Date : 03-AUG-2011 13:36 Cal File: U6155.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.770	4.770	(1.000)	201769	20.0000	
$ 2	2-Fluorophenol	112	3.349	3.349	(0.702)	451251	40.0000	38
$ 3	Phenol-d5	99	4.471	4.471	(0.937)	606194	40.0000	36
4	Pyridine	52	1.570	1.570	(0.329)	110486	40.0000	39(M)
5	N-Nitrosodimethylamine	42	1.565	1.565	(0.328)	83580	40.0000	37
6	Cyclohexanone	42	3.552	3.552	(0.745)	194856	40.0000	40
128	Benzaldehyde	77	4.289	4.289	(0.899)	82178	40.0000	14
7	Phenol	94	4.482	4.482	(0.940)	536916	40.0000	32
8	Aniline	93	4.428	4.428	(0.928)	659291	40.0000	35
9	bis(2-Chloroethyl)ether	63	4.524	4.524	(0.948)	378015	40.0000	39
10	2-Chlorophenol	128	4.556	4.556	(0.955)	497063	40.0000	38
11	1,3-Dichlorobenzene	146	4.706	4.706	(0.987)	561418	40.0000	39
12	1,4-Dichlorobenzene	146	4.786	4.786	(1.003)	581628	40.0000	37
13	Benzyl alcohol	108	4.957	4.957	(1.039)	218624	40.0000	37
14	1,2-Dichlorobenzene	146	4.946	4.946	(1.037)	562303	40.0000	38
15	2,2'-oxybis(1-Chloropropane)	45	5.101	5.101	(1.069)	468086	40.0000	38
16	2-Methylphenol	108	5.112	5.112	(1.072)	446052	40.0000	37
92	Acetophenone	105	5.224	5.224	(1.095)	723228	40.0000	39
17	Hexachloroethane	117	5.299	5.299	(1.111)	288304	40.0000	37
18	N-Nitroso-di-n-propylamine	70	5.251	5.251	(1.101)	380194	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.278	5.278	(1.106)	474386	40.0000	37
*	20 Naphthalene-d8	136	6.127	6.127	(1.000)	834773	20.0000	
$	21 Nitrobenzene-d5	82	5.374	5.374	(0.877)	620267	40.0000	40
	22 Nitrobenzene	77	5.395	5.395	(0.881)	614930	40.0000	39
	23 Isophorone	82	5.662	5.662	(0.924)	1007009	40.0000	40
	24 2-Nitrophenol	139	5.732	5.732	(0.935)	286064	40.0000	41
	25 2,4-Dimethylphenol	122	5.828	5.828	(0.951)	407606	40.0000	43
	26 Benzoic Acid	122	6.015	6.015	(0.982)	155365	40.0000	38(M)
	27 Bis(2-Chloroethoxy)methane	93	5.913	5.913	(0.965)	653593	40.0000	39
	28 2,4-Dichlorophenol	162	6.004	6.004	(0.980)	422943	40.0000	39
	29 1,2,4-Trichlorobenzene	180	6.074	6.074	(0.991)	492736	40.0000	40
	30 Naphthalene	128	6.148	6.148	(1.003)	1447170	40.0000	39
	31 4-Chloroaniline	127	6.228	6.228	(1.017)	575286	40.0000	42
	32 Hexachlorobutadiene	225	6.298	6.298	(1.028)	299819	40.0000	39
	129 Caprolactam	113	6.645	6.645	(1.085)	103366	40.0000	42(M)
	33 4-Chloro-3-methylphenol	107	6.784	6.784	(1.107)	409024	40.0000	38
	34 2-Methylnaphthalene	142	6.886	6.886	(1.124)	986235	40.0000	41
*	35 Acenaphthene-d10	164	7.981	7.981	(1.000)	505124	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.848	6.848	(1.436)	372353	40.0000	36
	37 Hexachlorocyclopentadiene	237	7.062	7.062	(0.885)	264778	40.0000	37
	38 2,4,6-Trichlorophenol	196	7.206	7.206	(0.903)	280620	40.0000	38
	39 2,4,5-Trichlorophenol	196	7.249	7.249	(0.908)	328615	40.0000	40
$	40 2-Fluorobiphenyl	172	7.286	7.286	(0.913)	1036076	40.0000	40
	130 1,1'-Biphenyl	154	7.388	7.388	(0.926)	1141450	40.0000	39
	41 2-Chloronaphthalene	162	7.398	7.398	(0.927)	989778	40.0000	40
	42 2-Nitroaniline	65	7.527	7.527	(0.943)	290390	40.0000	43
	43 Acenaphthylene	152	7.831	7.831	(0.981)	1493795	40.0000	41
	44 Dimethylphthalate	163	7.730	7.730	(0.969)	960451	40.0000	42
	45 2,6-Dinitrotoluene	165	7.788	7.788	(0.976)	236536	40.0000	40
	46 Acenaphthene	153	8.018	8.018	(1.005)	921746	40.0000	40
	47 3-Nitroaniline	138	7.965	7.965	(0.998)	230847	40.0000	42
	48 2,4-Dinitrophenol	184	8.077	8.077	(1.012)	100072	40.0000	38
	49 Dibenzofuran	168	8.205	8.205	(1.028)	1350466	40.0000	42
	50 2,4-Dinitrotoluene	165	8.216	8.216	(1.029)	307974	40.0000	44
	51 4-Nitrophenol	109	8.184	8.184	(1.025)	123696	40.0000	39
	52 Fluorene	166	8.563	8.563	(1.073)	1123149	40.0000	41
	53 4-Chlorophenyl-phenylether	204	8.574	8.574	(1.074)	549120	40.0000	42
	54 Diethylphthalate	149	8.478	8.478	(1.062)	898254	40.0000	41
	55 4-Nitroaniline	138	8.616	8.616	(1.080)	208437	40.0000	43
$	56 2,4,6-Tribromophenol	330	8.825	8.825	(1.106)	110113	40.0000	37
*	57 Phenanthrene-d10	188	9.551	9.551	(1.000)	738726	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.648	8.648	(0.905)	158596	40.0000	39
	59 N-Nitrosodiphenylamine (1)	169	8.707	8.707	(0.912)	722582	40.0000	40
	60 1,2-Diphenylhydrazine	77	8.739	8.739	(0.915)	1176823	40.0000	39
	61 4-Bromophenyl-phenylether	248	9.087	9.087	(0.951)	314958	40.0000	40
	131 Atrazine	200	9.290	9.290	(0.973)	214595	40.0000	44
	62 Hexachlorobenzene	284	9.151	9.151	(0.958)	279171	40.0000	35
	63 Pentachlorophenol	266	9.370	9.370	(0.981)	93430	40.0000	34
	64 Phenanthrene	178	9.578	9.578	(1.003)	1420704	40.0000	40
	65 Carbazole	167	9.813	9.813	(1.027)	1017767	40.0000	36
	66 Anthracene	178	9.631	9.631	(1.008)	1420471	40.0000	43
	67 Di-n-butylphthalate	149	10.192	10.192	(1.067)	1092192	40.0000	40
	68 Fluoranthene	202	10.828	10.828	(1.134)	1286107	40.0000	40
*	70 Chrysene-d12	240	12.415	12.415	(1.000)	413139	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.978	10.978	(0.884)	192932	40.0000	54
72	Pyrene	202	11.069	11.069	(0.892)	1236118	40.0000	41
$ 73	Terphenyl-d14	244	11.239	11.239	(0.905)	734243	40.0000	41
74	Butylbenzylphthalate	149	11.763	11.763	(0.948)	323490	40.0000	42
124	3,3'-Dimethylbenzidine	212	11.747	11.747	(0.946)	150008	40.0000	50
75	3,3'-Dichlorobenzidine	252	12.377	12.377	(0.997)	254663	40.0000	43
76	Benzo(a)anthracene	228	12.399	12.399	(0.999)	773203	40.0000	41
77	Chrysene	228	12.447	12.447	(1.003)	750864	40.0000	40
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.452	(1.003)	442878	40.0000	43
* 79	Perylene-d12	264	14.573	14.573	(1.000)	346730	20.0000	
80	Di-n-octylphthalate	149	13.360	13.360	(0.917)	675620	40.0000	40
81	Benzo(b)fluoranthene	252	13.937	13.937	(0.956)	694099	40.0000	41
82	Benzo(k)fluoranthene	252	13.985	13.985	(0.960)	740311	40.0000	42
83	Benzo(a)pyrene	252	14.477	14.477	(0.993)	628137	40.0000	42
84	Indeno(1,2,3-cd)pyrene	276	16.582	16.582	(1.138)	657806	40.0000	44
85	Dibenzo(a,h)anthracene	278	16.630	16.630	(1.141)	641338	40.0000	44
86	Benzo(g,h,i)perylene	276	17.116	17.116	(1.174)	613062	40.0000	41(MH)
167	Simazine	201	9.263	9.263	(0.970)	131493	8.00000	11
103	1,2,4,5-Tetrachlorobenzene	216	7.073	7.073	(0.886)	192801	40.0000	33
109	2,3,4,6-Tetrachlorophenol	232	8.349	8.349	(1.046)	220003	40.0000	45
119	Pentachloronitrobenzene	237	9.380	9.380	(0.982)	115025	40.0000	42

QC Flag Legend

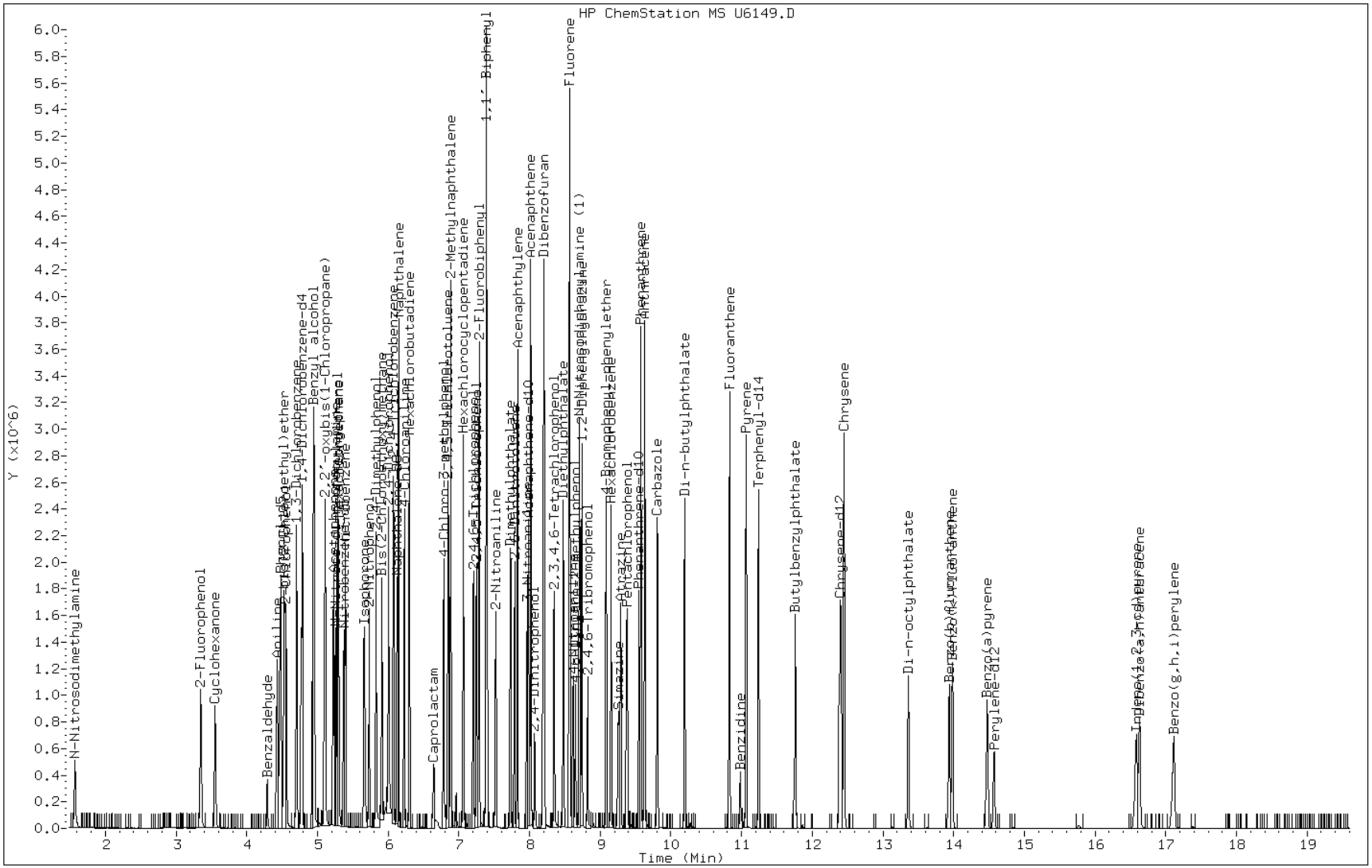
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: U6149.D

Date: 03-AUG-2011 10:34

Client ID: ICIS-648163 Instrument: msu.i

Sample Info: ICIS-648163 Operator: S.Jonas



Manual Integration Report

Data File: U6149.D
Inj. Date and Time: 03-AUG-2011 10:34
Instrument ID: msu.i
Client ID: ICIS-648163
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

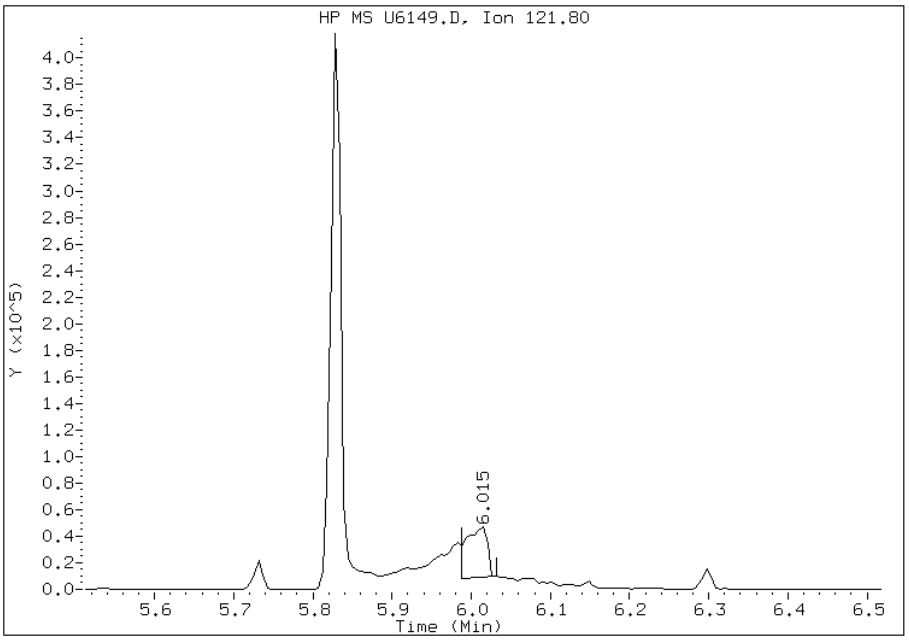
Processing Integration Results

RT: 6.02

Response: 70690

Amount: 40

Conc: 40



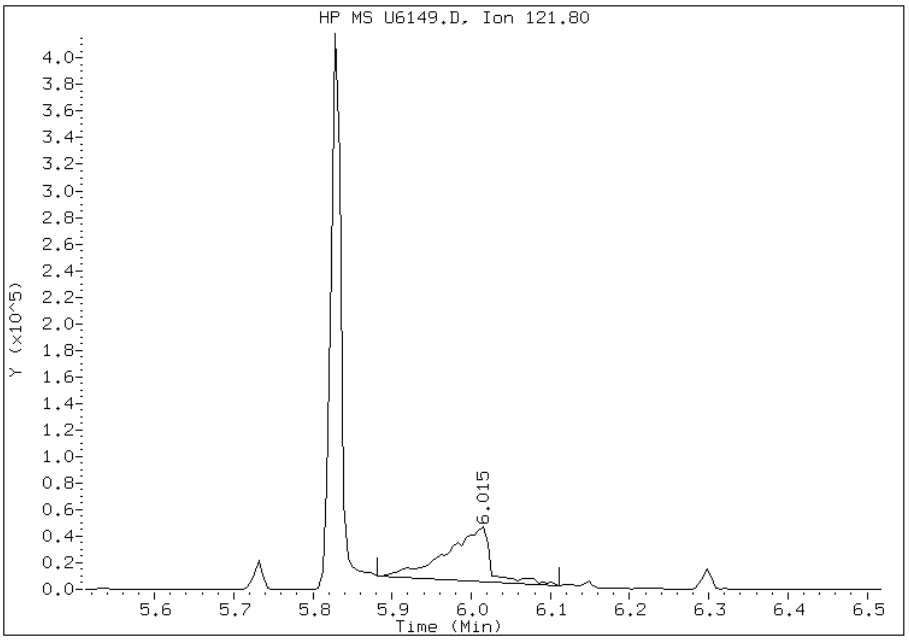
Manual Integration Results

RT: 6.02

Response: 155365

Amount: 38

Conc: 38



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6149.D
Inj. Date and Time: 03-AUG-2011 10:34
Instrument ID: msu.i
Client ID: ICIS-648163
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/04/2011

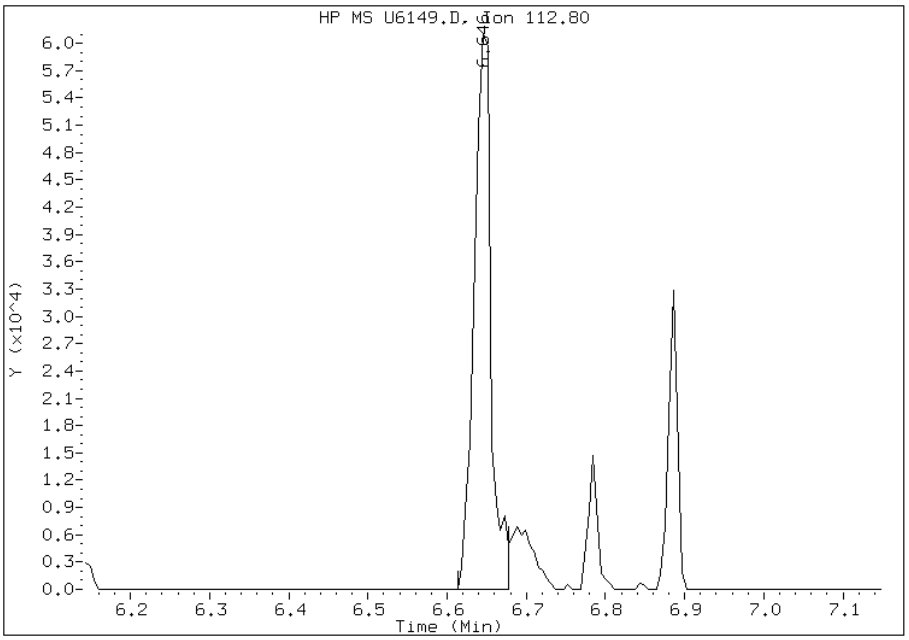
Processing Integration Results

RT: 6.65

Response: 90242

Amount: 40

Conc: 40



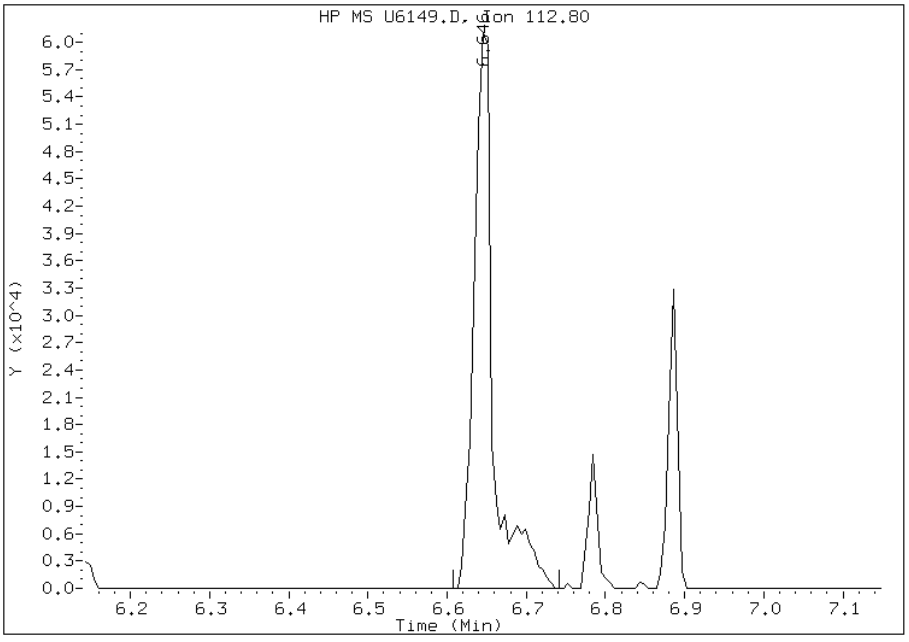
Manual Integration Results

RT: 6.65

Response: 103366

Amount: 42

Conc: 42



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6149.D
Inj. Date and Time: 03-AUG-2011 10:34
Instrument ID: msu.i
Client ID: ICIS-648163
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

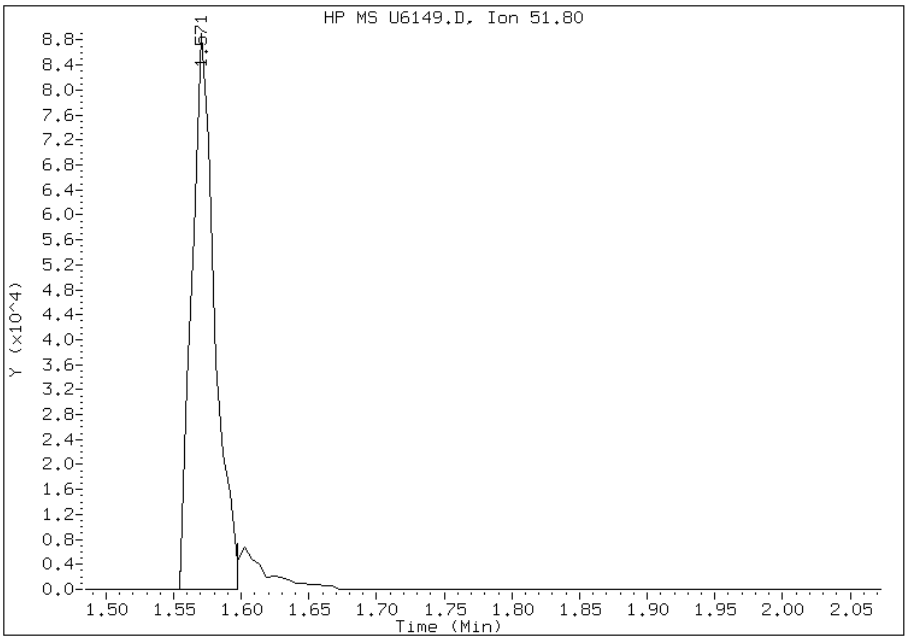
Processing Integration Results

RT: 1.57

Response: 105433

Amount: 40

Conc: 40



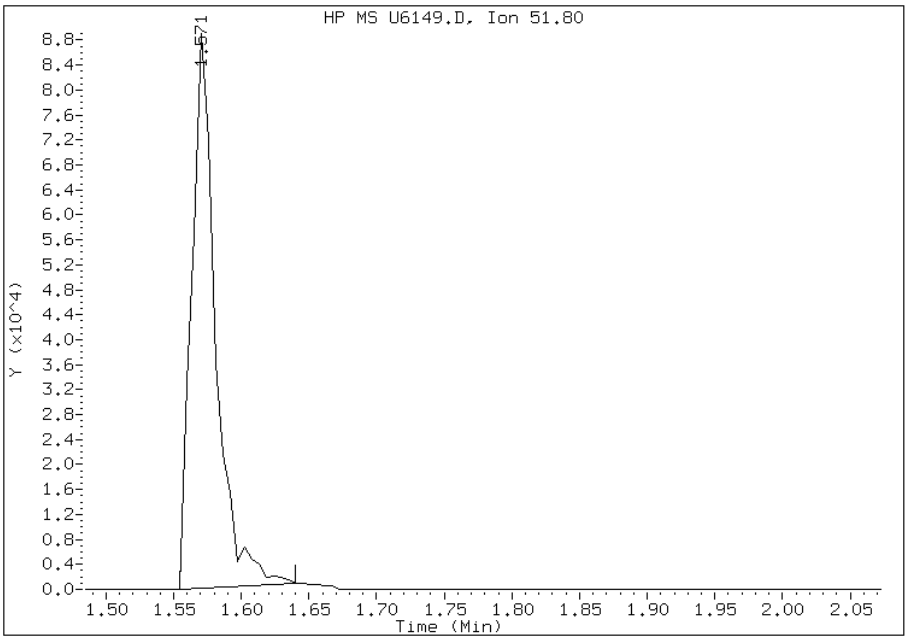
Manual Integration Results

RT: 1.57

Response: 110486

Amount: 39

Conc: 39



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6149.D
Inj. Date and Time: 03-AUG-2011 10:34
Instrument ID: msu.i
Client ID: ICIS-648163
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/04/2011

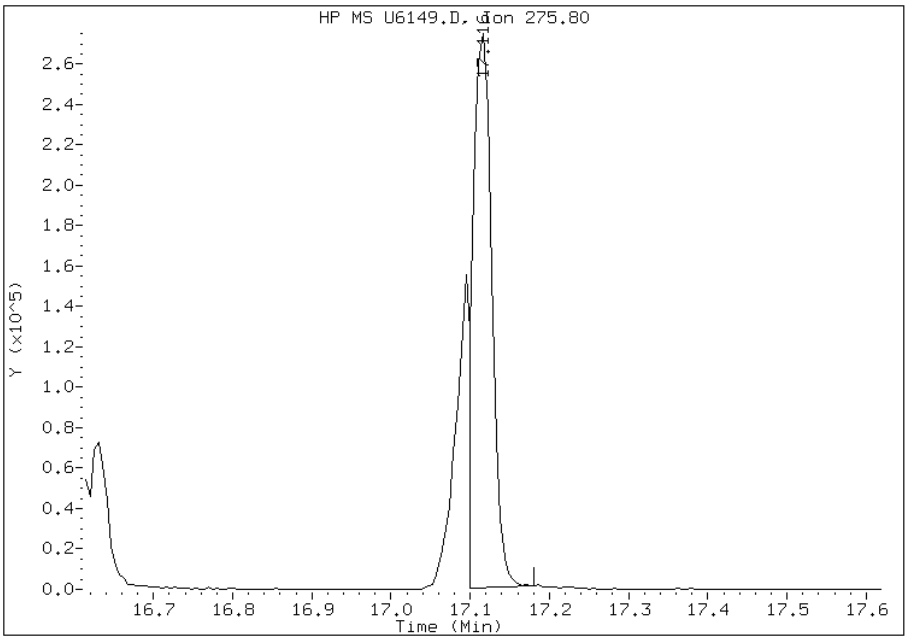
Processing Integration Results

RT: 17.12

Response: 450563

Amount: 40

Conc: 40



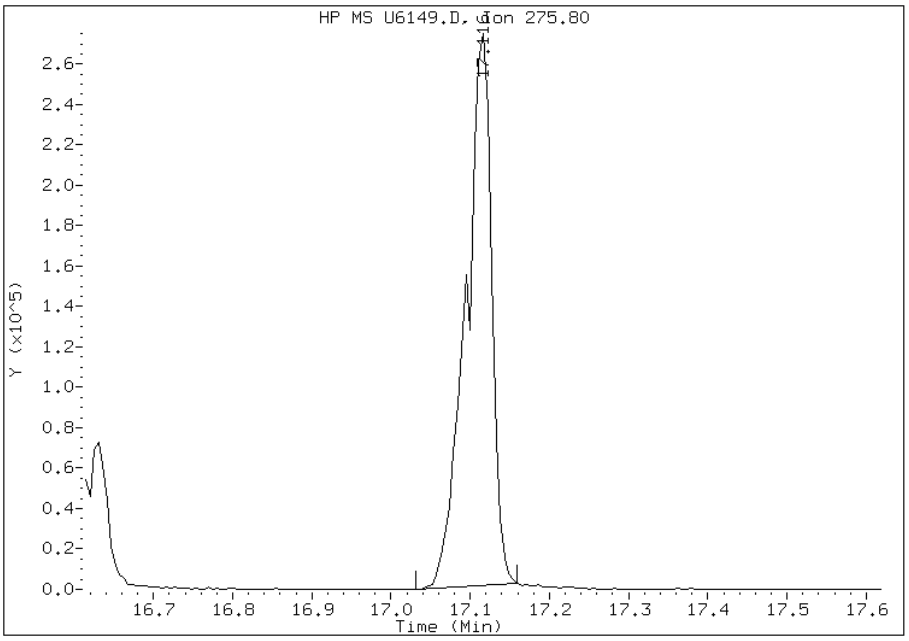
Manual Integration Results

RT: 17.12

Response: 613062

Amount: 41

Conc: 41



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6150.D
Lab Smp Id: IC-635513 Client Smp ID: IC-635513
Inj Date : 03-AUG-2011 11:10
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635513
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 11:10 Cal File: U6150.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.765	4.759	(1.000)	190998	20.0000	
$ 2	2-Fluorophenol	112	3.349	3.349	(0.703)	24047	2.00000	2
$ 3	Phenol-d5	99	4.444	4.444	(0.933)	34767	2.00000	2
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.330)	4428	2.00000	2
6	Cyclohexanone	42	3.552	3.547	(0.746)	10702	2.00000	2
128	Benzaldehyde	77	4.289	4.284	(0.900)	9592	2.00000	2
7	Phenol	94	4.460	4.460	(0.936)	35045	2.00000	2
8	Aniline	93	4.417	4.418	(0.927)	40517	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.513	4.508	(0.947)	18292	2.00000	2
10	2-Chlorophenol	128	4.546	4.540	(0.954)	25885	2.00000	2
11	1,3-Dichlorobenzene	146	4.700	4.695	(0.987)	27215	2.00000	2
12	1,4-Dichlorobenzene	146	4.781	4.781	(1.003)	31510	2.00000	2
13	Benzyl alcohol	108	4.941	4.941	(1.037)	10267	2.00000	2
14	1,2-Dichlorobenzene	146	4.941	4.936	(1.037)	29848	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.090	5.091	(1.068)	26021	2.00000	2
16	2-Methylphenol	108	5.090	5.091	(1.068)	24710	2.00000	2
92	Acetophenone	105	5.208	5.203	(1.093)	36280	2.00000	2
17	Hexachloroethane	117	5.293	5.294	(1.111)	15380	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.224	5.224	(1.096)	20920	2.00000	2
19	4-Methylphenol	108	5.261	5.256	(1.104)	25859	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	20 Naphthalene-d8	136	6.116	6.111	(1.000)	909922	20.0000	
$	21 Nitrobenzene-d5	82	5.358	5.358	(0.876)	31059	2.00000	2
	22 Nitrobenzene	77	5.379	5.374	(0.879)	33757	2.00000	2
	23 Isophorone	82	5.641	5.636	(0.922)	52170	2.00000	2
	24 2-Nitrophenol	139	5.721	5.721	(0.935)	14269	2.00000	2
	25 2,4-Dimethylphenol	122	5.812	5.807	(0.950)	17691	2.00000	2
	26 Benzoic Acid	122	5.902	5.924	(0.965)	3483	2.00000	12(M)
	27 Bis(2-Chloroethoxy)methane	93	5.897	5.892	(0.964)	34358	2.00000	2
	28 2,4-Dichlorophenol	162	5.993	5.988	(0.980)	20576	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.063	6.063	(0.991)	22644	2.00000	2
	30 Naphthalene	128	6.137	6.132	(1.003)	82331	2.00000	2
	31 4-Chloroaniline	127	6.218	6.213	(1.017)	29494	2.00000	2
	32 Hexachlorobutadiene	225	6.292	6.287	(1.029)	17202	2.00000	2
	129 Caprolactam	113	6.554	6.560	(1.072)	2678	2.00000	1
	33 4-Chloro-3-methylphenol	107	6.763	6.763	(1.106)	24118	2.00000	2(M)
	34 2-Methylnaphthalene	142	6.875	6.870	(1.124)	51888	2.00000	2
*	35 Acenaphthene-d10	164	7.975	7.975	(1.000)	558895	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.843	6.838	(1.436)	18023	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.056	7.051	(0.885)	6223	2.00000	4
	38 2,4,6-Trichlorophenol	196	7.190	7.190	(0.902)	15971	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.227	7.228	(0.906)	26149	5.00000	5
$	40 2-Fluorobiphenyl	172	7.275	7.270	(0.912)	49998	2.00000	2
	130 1,1'-Biphenyl	154	7.377	7.372	(0.925)	60454	2.00000	2
	41 2-Chloronaphthalene	162	7.388	7.383	(0.926)	52087	2.00000	2
	42 2-Nitroaniline	65	7.510	7.500	(0.942)	13229	2.00000	2
	43 Acenaphthylene	152	7.820	7.821	(0.981)	75788	2.00000	2
	44 Dimethylphthalate	163	7.713	7.714	(0.967)	45840	2.00000	2
	45 2,6-Dinitrotoluene	165	7.772	7.767	(0.975)	10283	2.00000	2
	46 Acenaphthene	153	8.007	8.002	(1.004)	49274	2.00000	2
	47 3-Nitroaniline	138	7.943	7.938	(0.996)	10365	2.00000	2
	48 2,4-Dinitrophenol	184	8.061	8.056	(1.011)	3223	5.00000	7
	49 Dibenzofuran	168	8.189	8.189	(1.027)	69568	2.00000	2
	50 2,4-Dinitrotoluene	165	8.194	8.195	(1.027)	13152	2.00000	2
	51 4-Nitrophenol	109	8.162	8.157	(1.023)	9529	5.00000	6(M)
	52 Fluorene	166	8.552	8.547	(1.072)	53318	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.563	8.558	(1.074)	26023	2.00000	2
	54 Diethylphthalate	149	8.461	8.456	(1.061)	40686	2.00000	2
	55 4-Nitroaniline	138	8.584	8.585	(1.076)	8784	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.809	8.809	(1.104)	11872	5.00000	4
*	57 Phenanthrene-d10	188	9.540	9.535	(1.000)	816125	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.627	8.622	(0.904)	8485	5.00000	6
	59 N-Nitrosodiphenylamine (1)	169	8.691	8.686	(0.911)	33366	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.728	8.723	(0.915)	61002	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.076	9.071	(0.951)	15500	2.00000	2
	131 Atrazine	200	9.268	9.268	(0.971)	8212	2.00000	2
	62 Hexachlorobenzene	284	9.140	9.140	(0.958)	16753	2.00000	2
	63 Pentachlorophenol	266	9.359	9.354	(0.981)	1354	5.00000	8(M)
	64 Phenanthrene	178	9.562	9.557	(1.002)	70959	2.00000	2
	65 Carbazole	167	9.797	9.792	(1.027)	59965	2.00000	2
	66 Anthracene	178	9.615	9.610	(1.008)	60569	2.00000	2
	68 Fluoranthene	202	10.817	10.812	(1.134)	67497	2.00000	2
*	70 Chrysene-d12	240	12.404	12.399	(1.000)	466000	20.0000	
	72 Pyrene	202	11.058	11.053	(0.891)	68381	2.00000	2
$	73 Terphenyl-d14	244	11.234	11.229	(0.906)	40610	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
74	Butylbenzylphthalate	149	11.758	11.752	(0.948)	13961	2.00000	2
75	3,3'-Dichlorobenzidine	252	12.372	12.361	(0.997)	9181	2.00000	1
76	Benzo(a)anthracene	228	12.388	12.383	(0.999)	38516	2.00000	2
77	Chrysene	228	12.436	12.431	(1.003)	38383	2.00000	2
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.442	(1.004)	19875	2.00000	2
* 79	Perylene-d12	264	14.562	14.557	(1.000)	332044	20.0000	
80	Di-n-octylphthalate	149	13.350	13.344	(0.917)	29137	2.00000	2(M)
81	Benzo(b)fluoranthene	252	13.921	13.916	(0.956)	28277	2.00000	2
82	Benzo(k)fluoranthene	252	13.964	13.959	(0.959)	30646	2.00000	2
83	Benzo(a)pyrene	252	14.455	14.450	(0.993)	25283	2.00000	1
84	Indeno(1,2,3-cd)pyrene	276	16.550	16.539	(1.136)	25427	2.00000	2(M)
85	Dibenzo(a,h)anthracene	278	16.603	16.587	(1.140)	24865	2.00000	2
86	Benzo(g,h,i)perylene	276	17.078	17.063	(1.173)	25355	2.00000	2
167	Simazine	201	9.231	9.231	(0.968)	5377	2.00000	0.4
103	1,2,4,5-Tetrachlorobenzene	216	7.062	7.051	(0.885)	12546	2.00000	5
109	2,3,4,6-Tetrachlorophenol	232	8.338	8.333	(1.046)	7631	2.00000	1
119	Pentachloronitrobenzene	237	9.370	9.364	(0.982)	5293	2.00000	2

QC Flag Legend

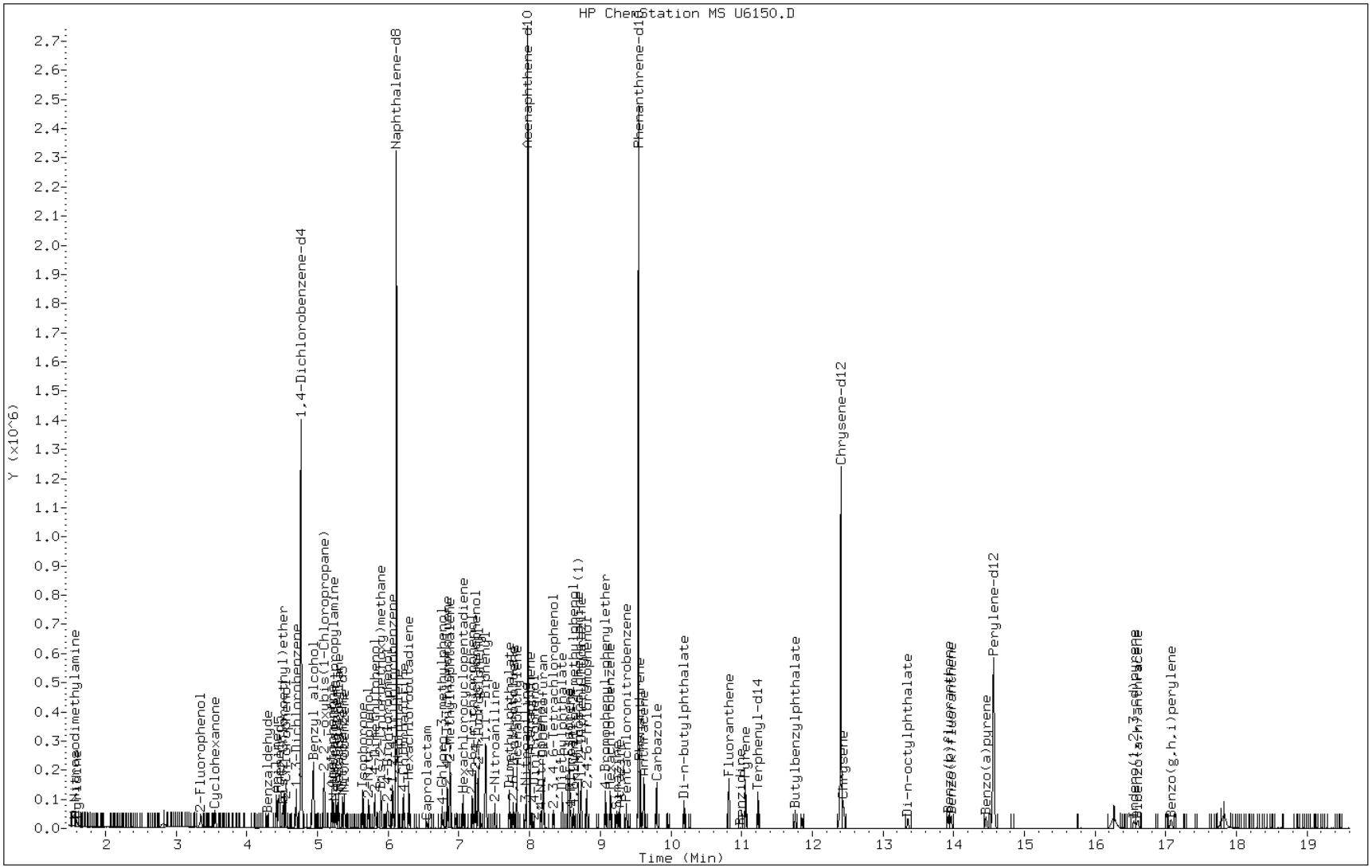
M - Compound response manually integrated.

Data File: U6150.D

Date: 03-AUG-2011 11:10

Client ID: IC-635513 Instrument: msu.i

Sample Info: IC-635513 Operator: S.Jonas



Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/04/2011

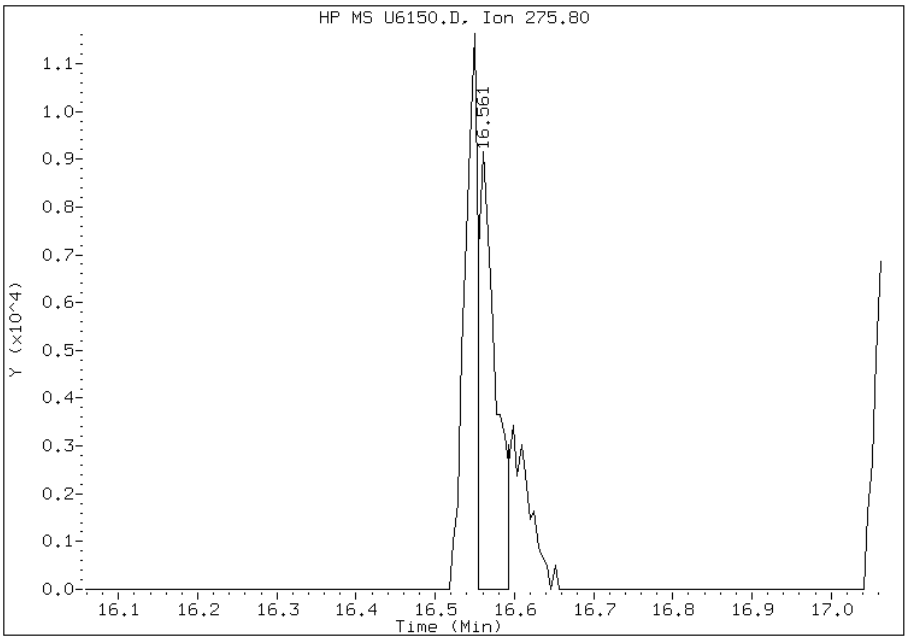
Processing Integration Results

RT: 16.56

Response: 13737

Amount: 1

Conc: 1



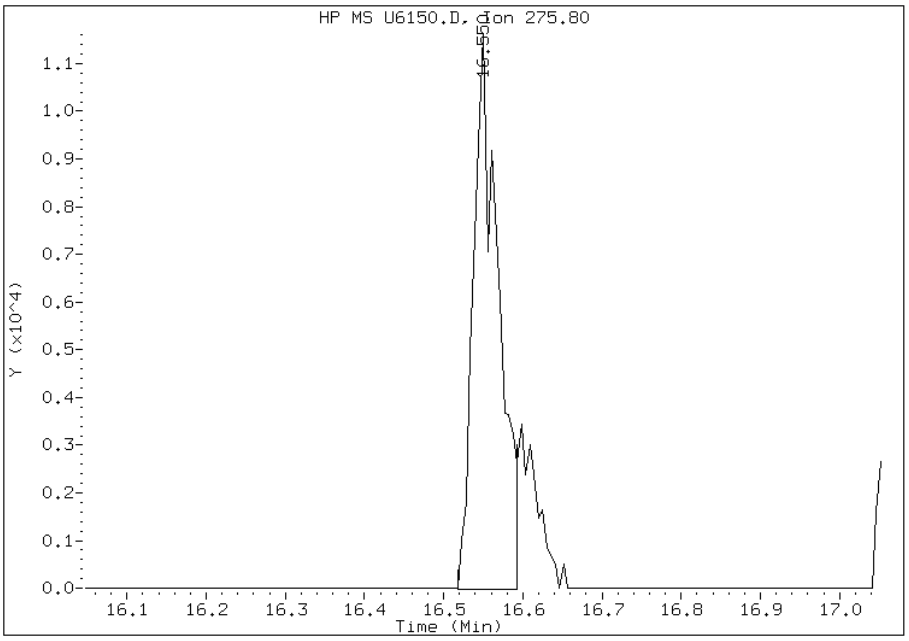
Manual Integration Results

RT: 16.55

Response: 25427

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

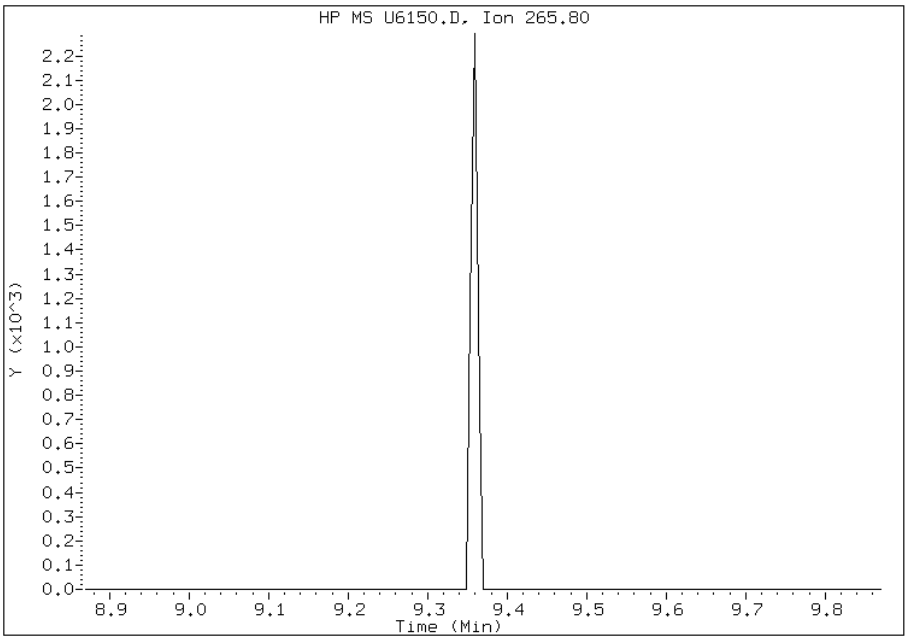
Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 63 Pentachlorophenol
CAS #: 87-86-5
Report Date: 08/04/2011

Processing Integration Results

Not Detected

Expected RT: 9.37



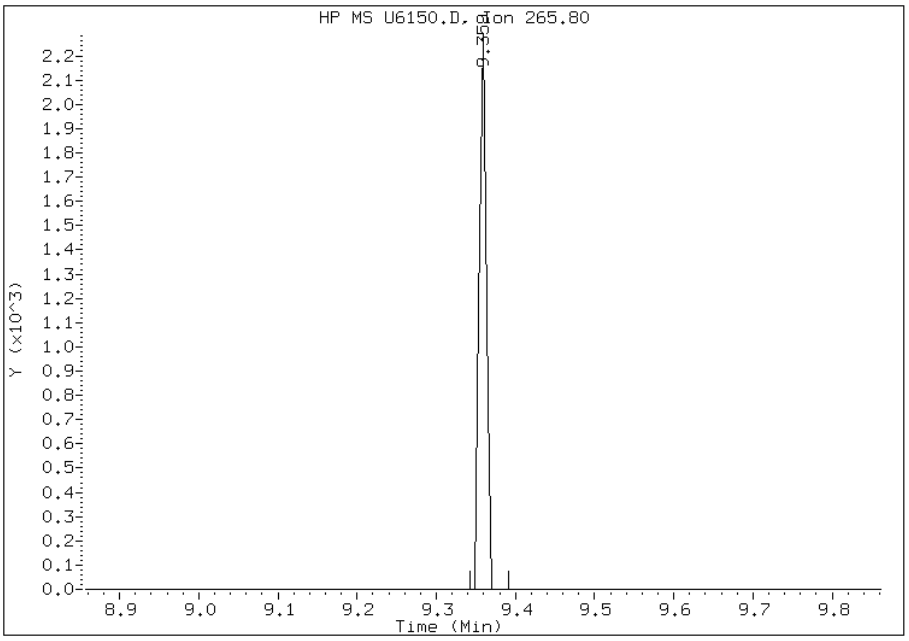
Manual Integration Results

RT: 9.36

Response: 1354

Amount: 8

Conc: 8



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

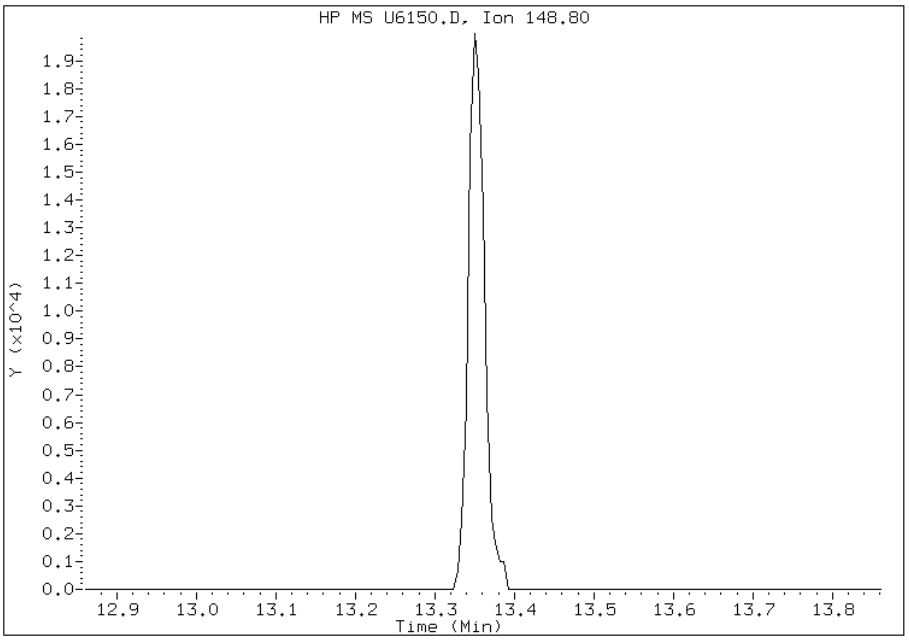
Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 08/04/2011

Processing Integration Results

Not Detected

Expected RT: 13.36



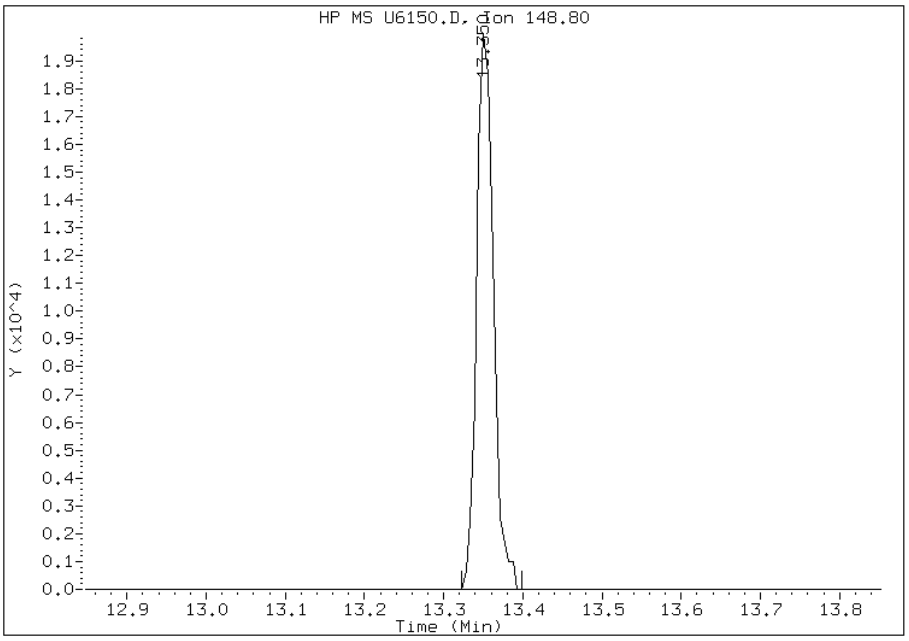
Manual Integration Results

RT: 13.35

Response: 29137

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/04/2011

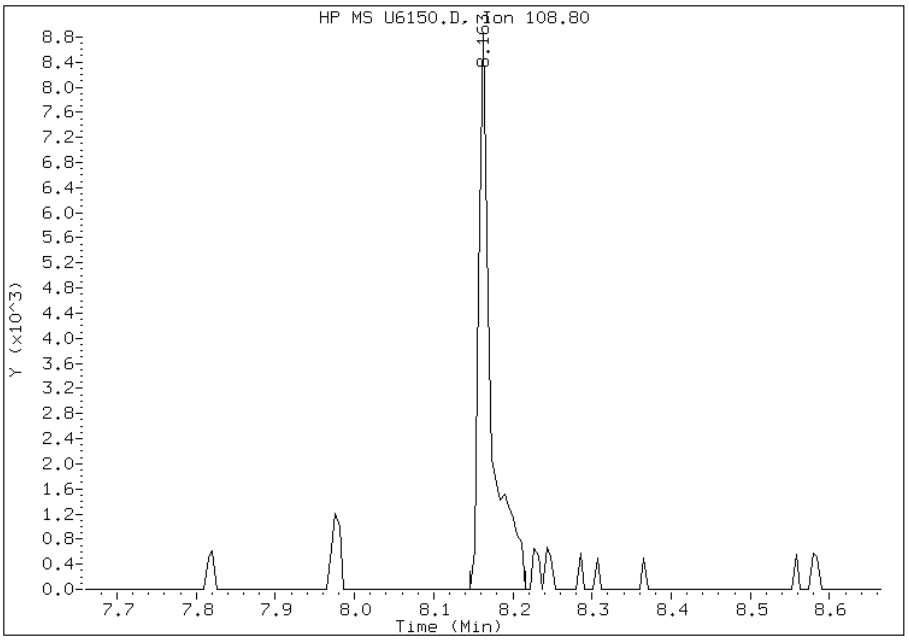
Processing Integration Results

RT: 8.16

Response: 9529

Amount: 6

Conc: 6



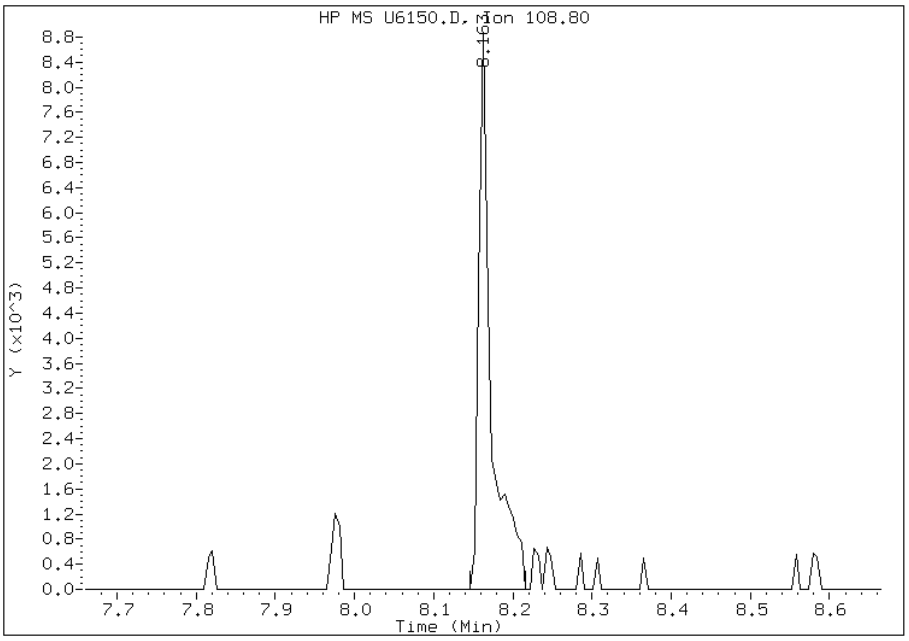
Manual Integration Results

RT: 8.16

Response: 9529

Amount: 6

Conc: 6



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

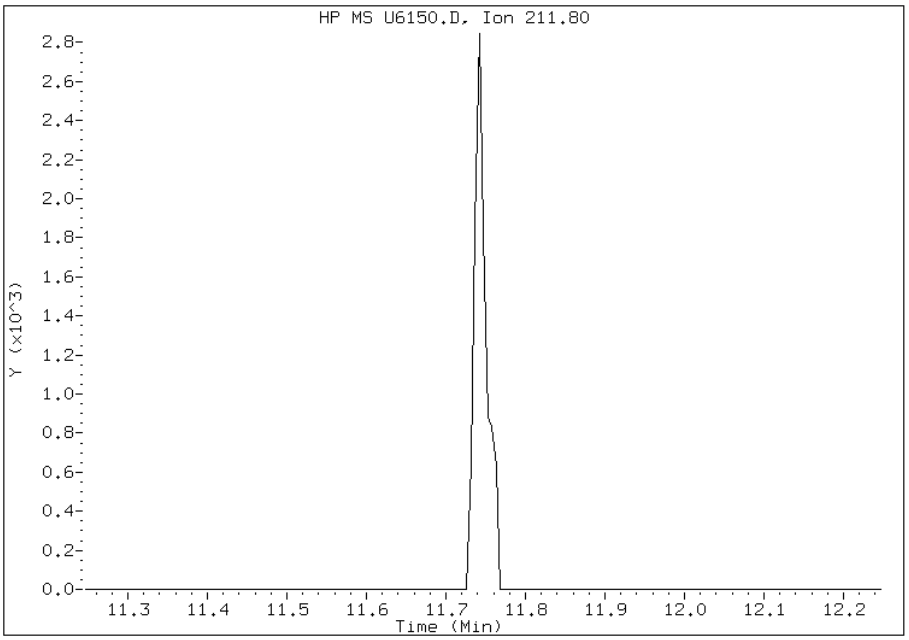
Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 124 3,3'-Dimethylbenzidine
CAS #: 119-93-7
Report Date: 08/04/2011

Processing Integration Results

Not Detected

Expected RT: 11.75



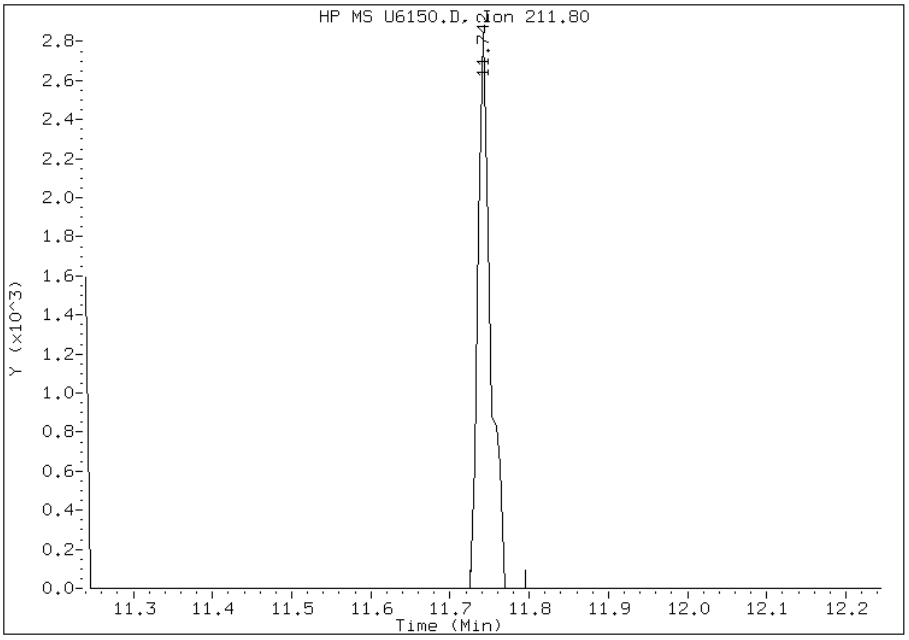
Manual Integration Results

RT: 11.74

Response: 3051

Amount: 1

Conc: 1



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

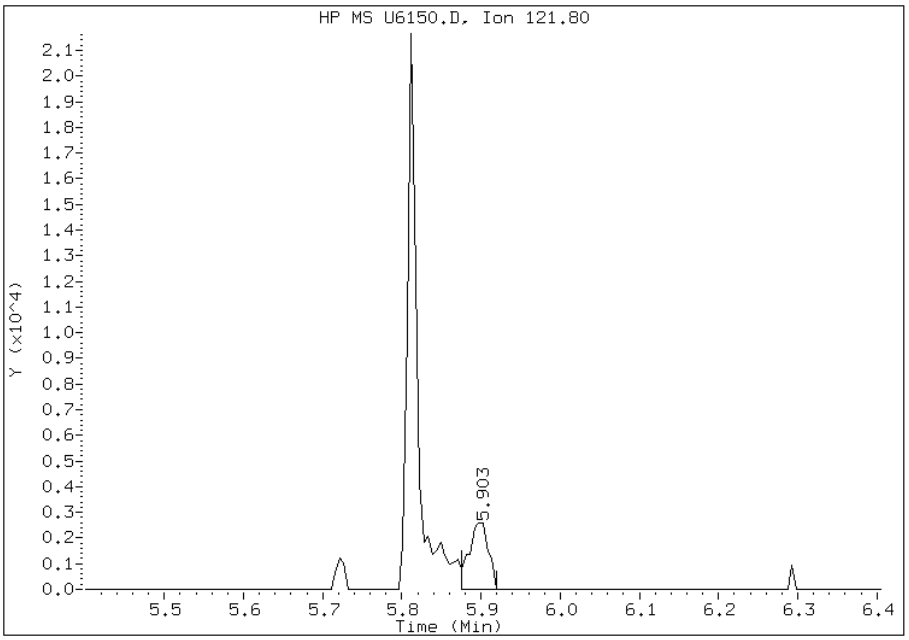
Processing Integration Results

RT: 5.90

Response: 4395

Amount: 2

Conc: 2



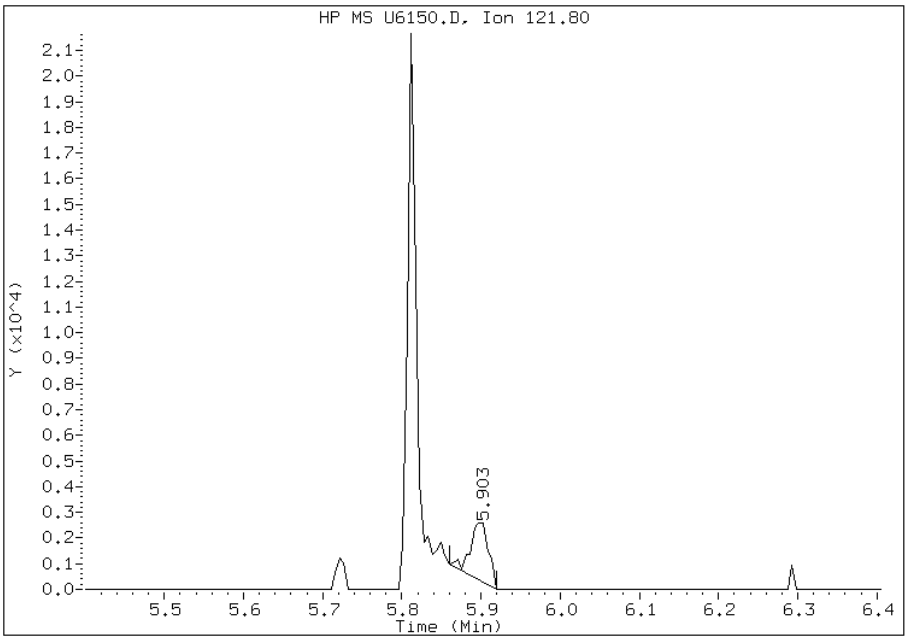
Manual Integration Results

RT: 5.90

Response: 3483

Amount: 12

Conc: 12



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6150.D
Inj. Date and Time: 03-AUG-2011 11:10
Instrument ID: msu.i
Client ID: IC-635513
Compound: 33 4-Chloro-3-methylphenol
CAS #: 59-50-7
Report Date: 08/04/2011

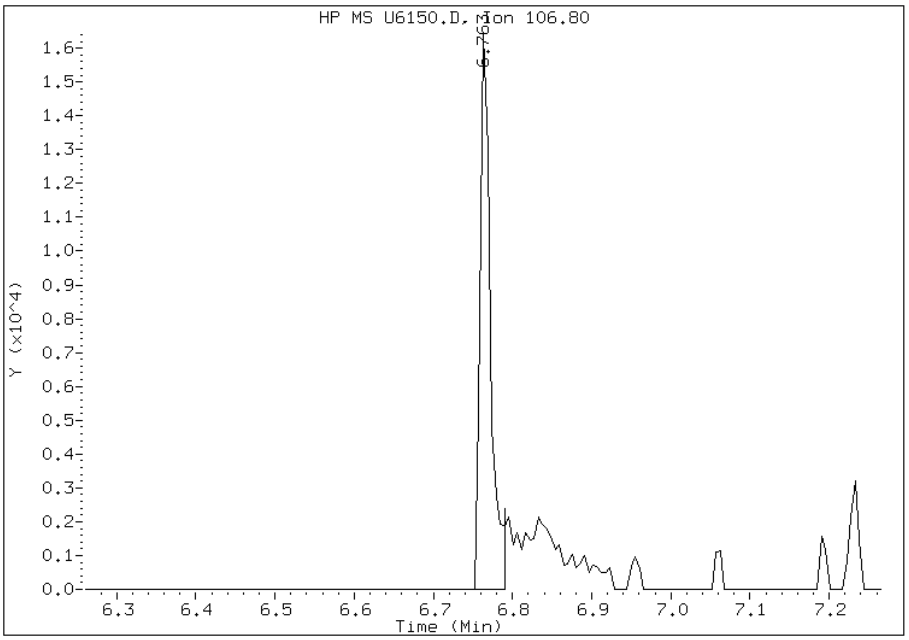
Processing Integration Results

RT: 6.76

Response: 14720

Amount: 1

Conc: 1



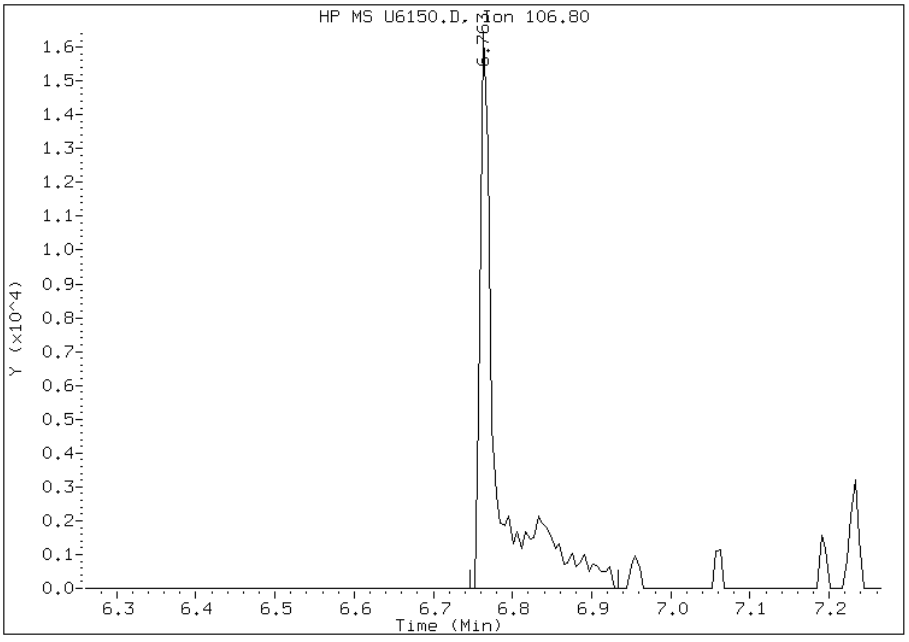
Manual Integration Results

RT: 6.76

Response: 24118

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6151.D
Lab Smp Id: IC-635514 Client Smp ID: IC-635514
Inj Date : 03-AUG-2011 11:40
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635514
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 11:40 Cal File: U6151.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.759	4.759	(1.000)	197517	20.0000	
$ 2	2-Fluorophenol	112	3.349	3.349	(0.704)	46456	4.00000	4
$ 3	Phenol-d5	99	4.444	4.444	(0.934)	64306	4.00000	4
4	Pyridine	52	1.592	1.592	(0.334)	11206	4.00000	5(M)
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.330)	9088	4.00000	4
6	Cyclohexanone	42	3.547	3.547	(0.745)	20840	4.00000	4
128	Benzaldehyde	77	4.284	4.284	(0.900)	38924	4.00000	7
7	Phenol	94	4.460	4.460	(0.937)	65481	4.00000	4
8	Aniline	93	4.418	4.418	(0.928)	82523	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.508	4.508	(0.947)	38164	4.00000	4
10	2-Chlorophenol	128	4.540	4.540	(0.954)	51091	4.00000	4
11	1,3-Dichlorobenzene	146	4.695	4.695	(0.987)	52815	4.00000	4
12	1,4-Dichlorobenzene	146	4.781	4.781	(1.004)	59487	4.00000	4
13	Benzyl alcohol	108	4.941	4.941	(1.038)	23448	4.00000	4
14	1,2-Dichlorobenzene	146	4.936	4.936	(1.037)	56986	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.091	5.091	(1.070)	48445	4.00000	4
16	2-Methylphenol	108	5.091	5.091	(1.070)	49325	4.00000	4
92	Acetophenone	105	5.203	5.203	(1.093)	75342	4.00000	4
17	Hexachloroethane	117	5.294	5.294	(1.112)	28432	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.224	5.224	(1.098)	39656	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.256	5.256	(1.104)	49479	4.00000	4
*	20 Naphthalene-d8	136	6.111	6.111	(1.000)	869920	20.0000	
$	21 Nitrobenzene-d5	82	5.358	5.358	(0.877)	62403	4.00000	4
	22 Nitrobenzene	77	5.374	5.374	(0.879)	64319	4.00000	4
	23 Isophorone	82	5.636	5.636	(0.922)	102087	4.00000	4
	24 2-Nitrophenol	139	5.721	5.721	(0.936)	28447	4.00000	4
	25 2,4-Dimethylphenol	122	5.807	5.807	(0.950)	34857	4.00000	4
	26 Benzoic Acid	122	5.924	5.924	(0.969)	14228	10.0000	37(M)
	27 Bis(2-Chloroethoxy)methane	93	5.892	5.892	(0.964)	67631	4.00000	4
	28 2,4-Dichlorophenol	162	5.988	5.988	(0.980)	42429	4.00000	4
	29 1,2,4-Trichlorobenzene	180	6.063	6.063	(0.992)	51197	4.00000	4
	30 Naphthalene	128	6.132	6.132	(1.003)	155119	4.00000	4
	31 4-Chloroaniline	127	6.213	6.213	(1.017)	55966	4.00000	4
	32 Hexachlorobutadiene	225	6.287	6.287	(1.029)	30592	4.00000	4
	129 Caprolactam	113	6.560	6.560	(1.073)	7363	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.763	6.763	(1.107)	41913	4.00000	4(M)
	34 2-Methylnaphthalene	142	6.870	6.870	(1.124)	97697	4.00000	4
*	35 Acenaphthene-d10	164	7.975	7.975	(1.000)	468108	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.838	6.838	(1.437)	41387	4.00000	4
	37 Hexachlorocyclopentadiene	237	7.051	7.051	(0.884)	12539	4.00000	5
	38 2,4,6-Trichlorophenol	196	7.190	7.190	(0.902)	30733	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.228	7.228	(0.906)	53139	10.0000	9
$	40 2-Fluorobiphenyl	172	7.270	7.270	(0.912)	107247	4.00000	4
	130 1,1'-Biphenyl	154	7.372	7.372	(0.924)	114501	4.00000	4
	41 2-Chloronaphthalene	162	7.383	7.383	(0.926)	104979	4.00000	5
	42 2-Nitroaniline	65	7.500	7.500	(0.940)	22866	4.00000	4
	43 Acenaphthylene	152	7.821	7.821	(0.981)	126168	4.00000	4
	44 Dimethylphthalate	163	7.714	7.714	(0.967)	93859	4.00000	4
	45 2,6-Dinitrotoluene	165	7.767	7.767	(0.974)	21313	4.00000	4
	46 Acenaphthene	153	8.002	8.002	(1.003)	96422	4.00000	4
	47 3-Nitroaniline	138	7.938	7.938	(0.995)	23150	4.00000	5
	48 2,4-Dinitrophenol	184	8.056	8.056	(1.010)	13684	10.0000	11
	49 Dibenzofuran	168	8.189	8.189	(1.027)	137468	4.00000	5
	50 2,4-Dinitrotoluene	165	8.195	8.195	(1.027)	29196	4.00000	4
	51 4-Nitrophenol	109	8.157	8.157	(1.023)	25211	10.0000	11(M)
	52 Fluorene	166	8.547	8.547	(1.072)	110843	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.558	8.558	(1.073)	53244	4.00000	4
	54 Diethylphthalate	149	8.456	8.456	(1.060)	91066	4.00000	4
	55 4-Nitroaniline	138	8.585	8.585	(1.076)	20095	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.809	8.809	(1.104)	30418	10.0000	11
*	57 Phenanthrene-d10	188	9.535	9.535	(1.000)	748097	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.622	8.622	(0.904)	28268	10.0000	11
	59 N-Nitrosodiphenylamine (1)	169	8.686	8.686	(0.911)	71156	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.723	8.723	(0.915)	112767	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.071	9.071	(0.951)	30792	4.00000	4
	131 Atrazine	200	9.268	9.268	(0.972)	19663	4.00000	4
	62 Hexachlorobenzene	284	9.140	9.140	(0.959)	32811	4.00000	4
	63 Pentachlorophenol	266	9.354	9.354	(0.981)	12450	10.0000	11
	64 Phenanthrene	178	9.557	9.557	(1.002)	145266	4.00000	4
	65 Carbazole	167	9.792	9.792	(1.027)	113393	4.00000	4
	66 Anthracene	178	9.610	9.610	(1.008)	148128	4.00000	4
	67 Di-n-butylphthalate	149	10.182	10.182	(1.068)	107018	4.00000	4
	68 Fluoranthene	202	10.812	10.812	(1.134)	142967	4.00000	4
*	70 Chrysene-d12	240	12.399	12.399	(1.000)	478505	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	11.053	11.053	(0.891)	134721	4.00000	4
$ 73	Terphenyl-d14	244	11.229	11.229	(0.906)	83976	4.00000	4
74	Butylbenzylphthalate	149	11.752	11.752	(0.948)	29659	4.00000	3
75	3,3'-Dichlorobenzidine	252	12.361	12.361	(0.997)	20845	4.00000	3
76	Benzo(a)anthracene	228	12.383	12.383	(0.999)	85974	4.00000	4
77	Chrysene	228	12.431	12.431	(1.003)	80621	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.442	12.442	(1.003)	39131	4.00000	3
* 79	Perylene-d12	264	14.557	14.557	(1.000)	341397	20.0000	
80	Di-n-octylphthalate	149	13.344	13.344	(0.917)	62647	4.00000	3(M)
81	Benzo(b)fluoranthene	252	13.916	13.916	(0.956)	62788	4.00000	3
82	Benzo(k)fluoranthene	252	13.959	13.959	(0.959)	63273	4.00000	3
83	Benzo(a)pyrene	252	14.450	14.450	(0.993)	54025	4.00000	3
84	Indeno(1,2,3-cd)pyrene	276	16.539	16.539	(1.136)	48945	4.00000	3
85	Dibenzo(a,h)anthracene	278	16.587	16.587	(1.139)	55093	4.00000	3
86	Benzo(g,h,i)perylene	276	17.063	17.063	(1.172)	57976	4.00000	4
167	Simazine	201	9.231	9.231	(0.968)	10181	0.80000	0.9
103	1,2,4,5-Tetrachlorobenzene	216	7.051	7.051	(0.884)	19492	5.00000	6
109	2,3,4,6-Tetrachlorophenol	232	8.333	8.333	(1.045)	18824	5.00000	4
119	Pentachloronitrobenzene	237	9.364	9.364	(0.982)	12307	5.00000	4

QC Flag Legend

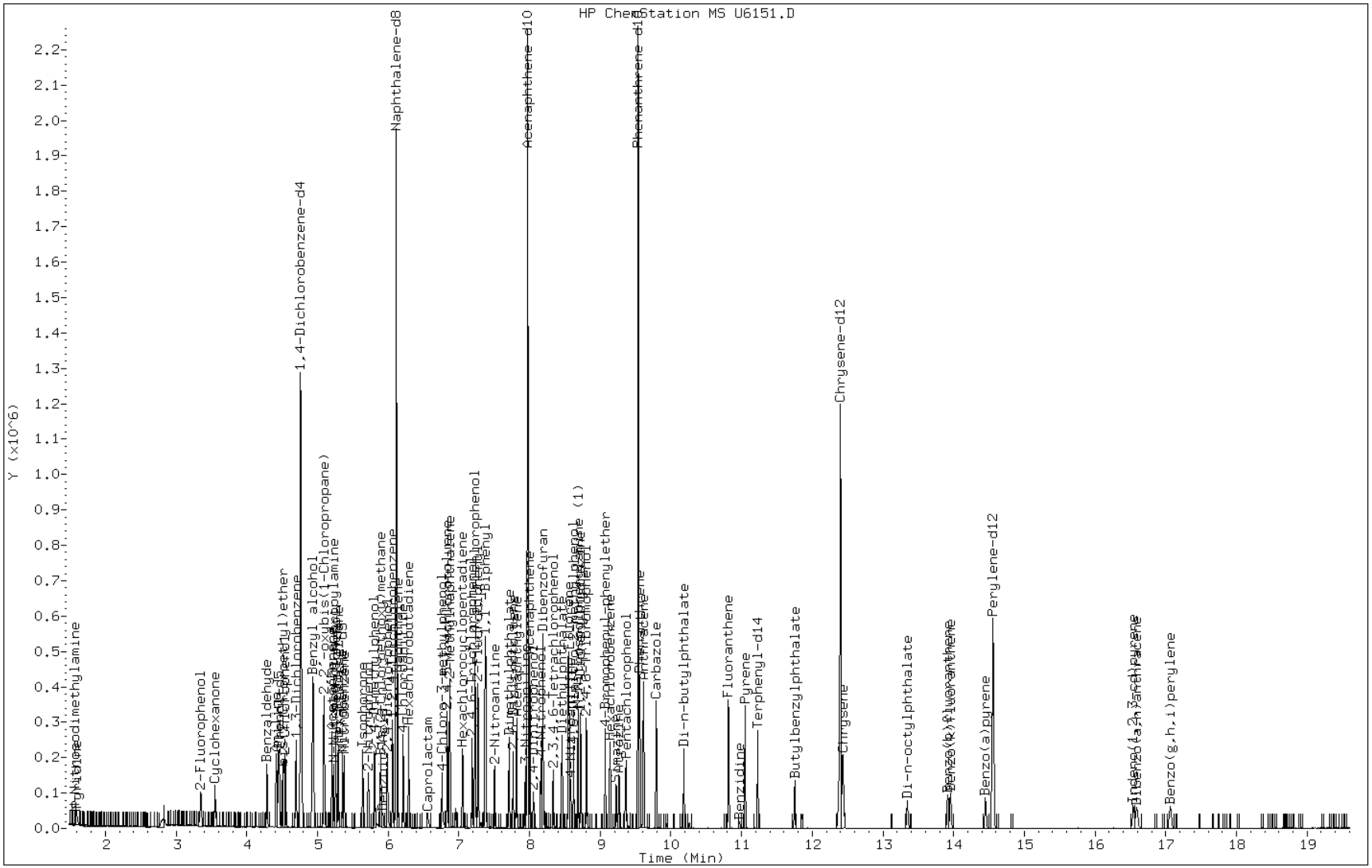
M - Compound response manually integrated.

Data File: U6151.D

Date: 03-AUG-2011 11:40

Client ID: IC-635514 Instrument: msu.i

Sample Info: IC-635514 Operator: S.Jonas



Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

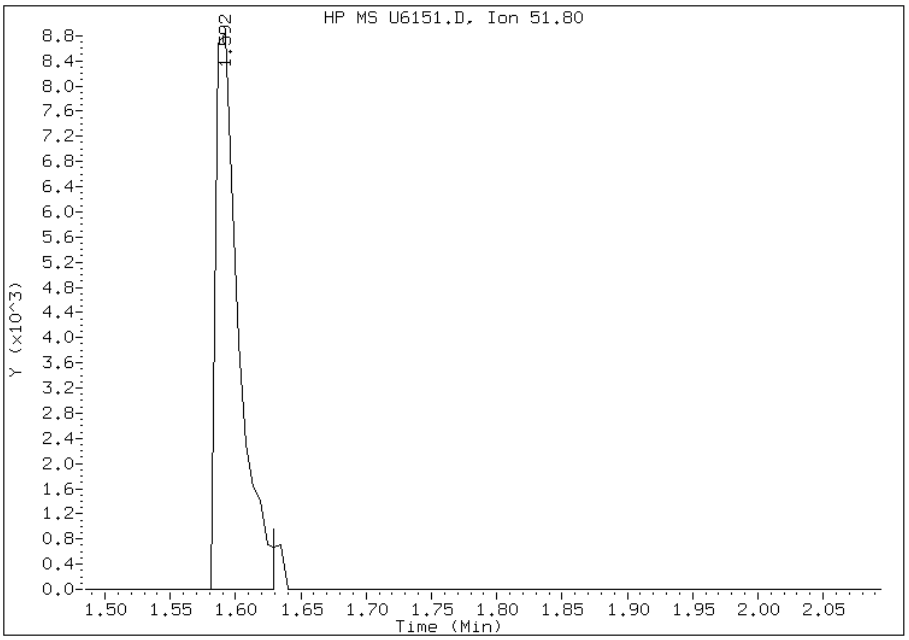
Processing Integration Results

RT: 1.59

Response: 10979

Amount: 4

Conc: 4



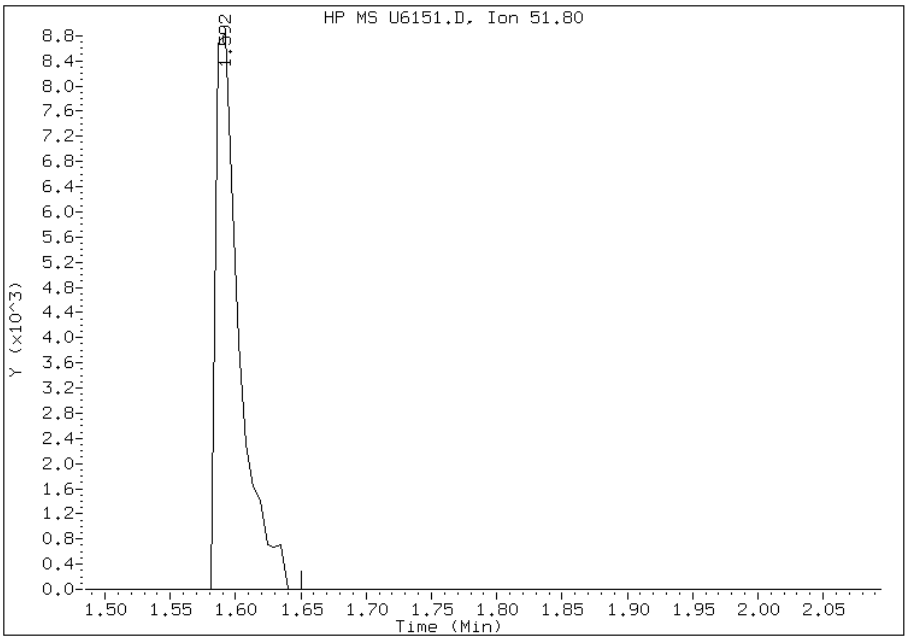
Manual Integration Results

RT: 1.59

Response: 11206

Amount: 5

Conc: 5



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 71 Benzidine
CAS #: 92-87-5
Report Date: 08/04/2011

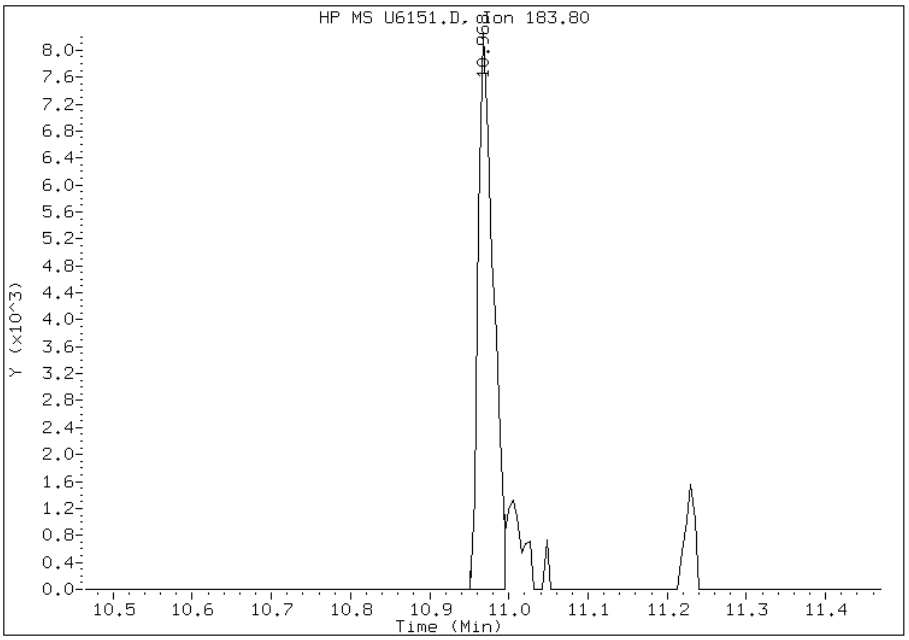
Processing Integration Results

RT: 10.97

Response: 10794

Amount: 3

Conc: 3



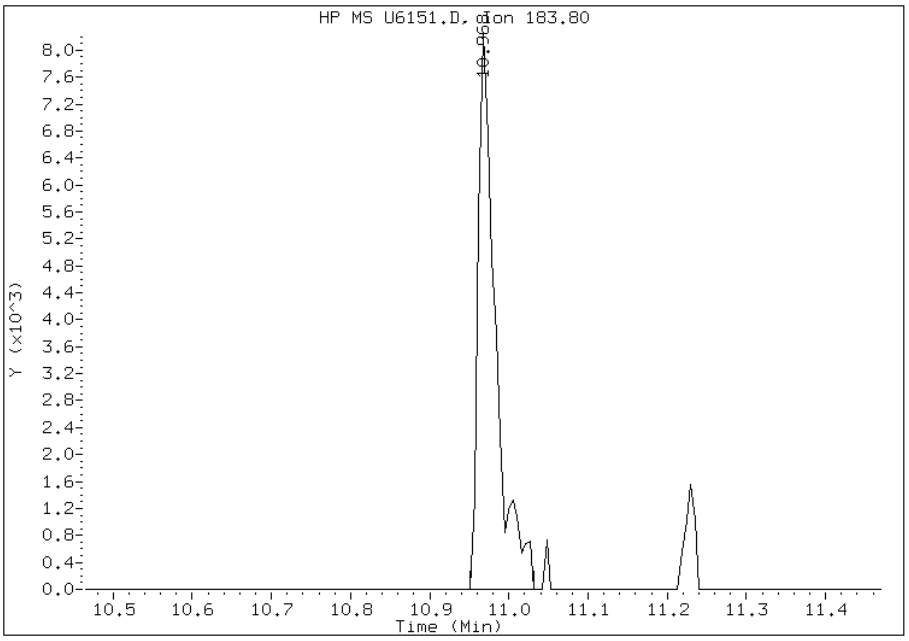
Manual Integration Results

RT: 10.97

Response: 12561

Amount: 3

Conc: 3



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

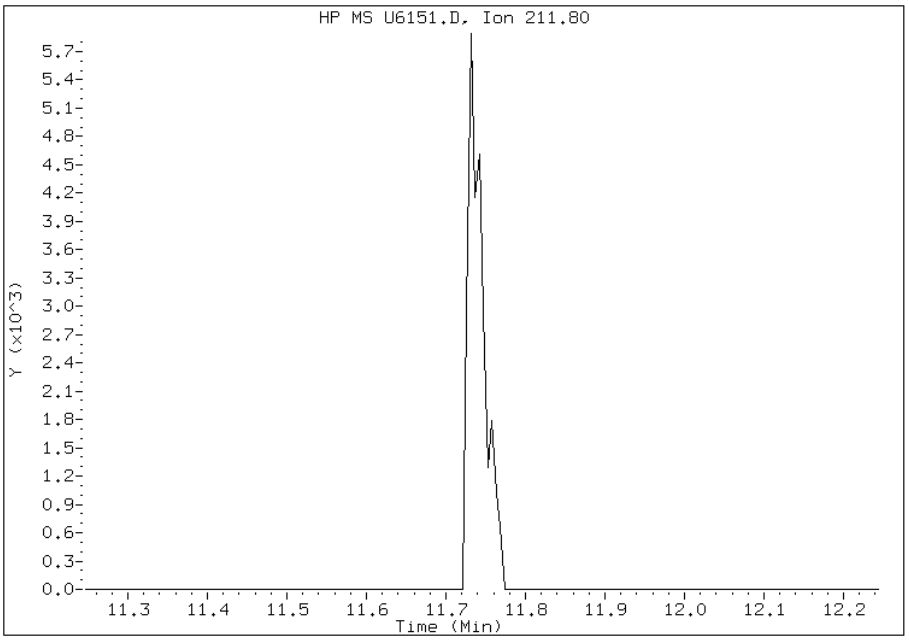
Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 124 3,3'-Dimethylbenzidine
CAS #: 119-93-7
Report Date: 08/04/2011

Processing Integration Results

Not Detected

Expected RT: 11.75



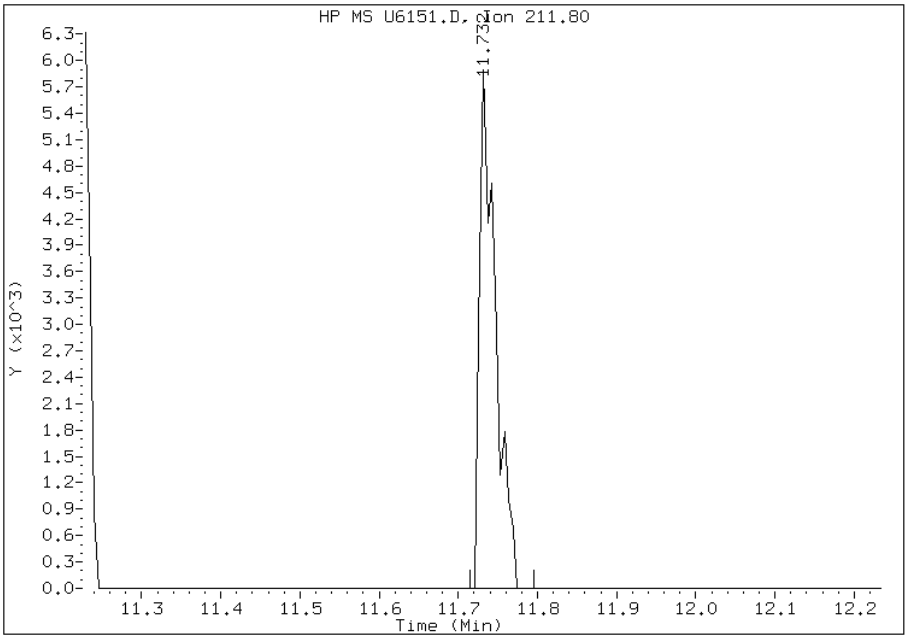
Manual Integration Results

RT: 11.73

Response: 8115

Amount: 2

Conc: 2



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

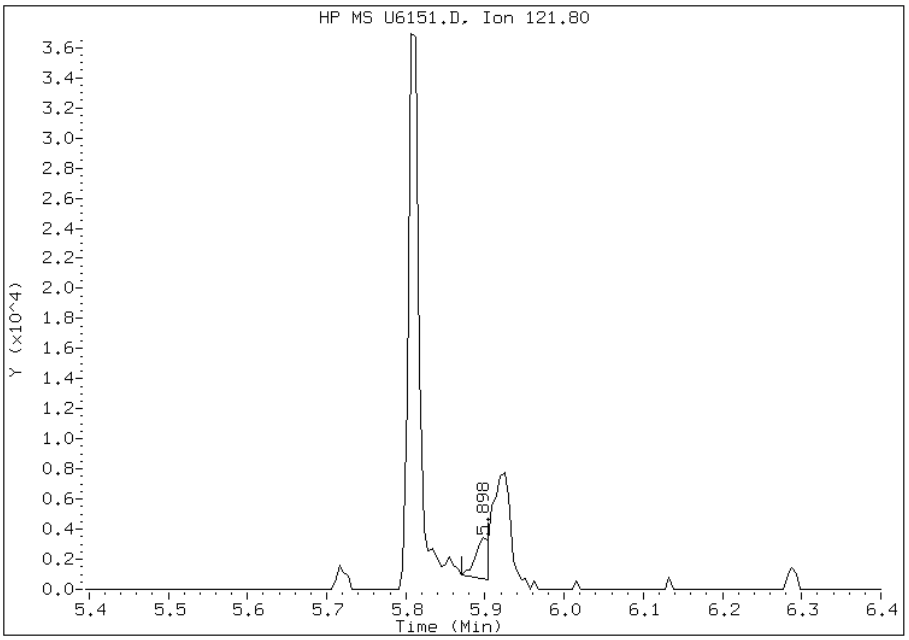
Processing Integration Results

RT: 5.90

Response: 3002

Amount: 13

Conc: 13



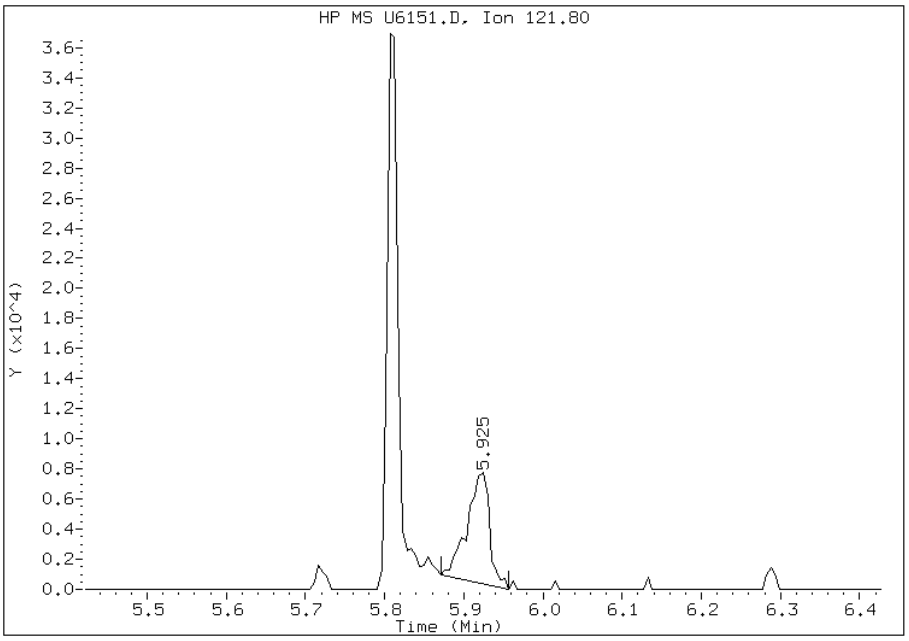
Manual Integration Results

RT: 5.92

Response: 14228

Amount: 37

Conc: 37



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/04/2011

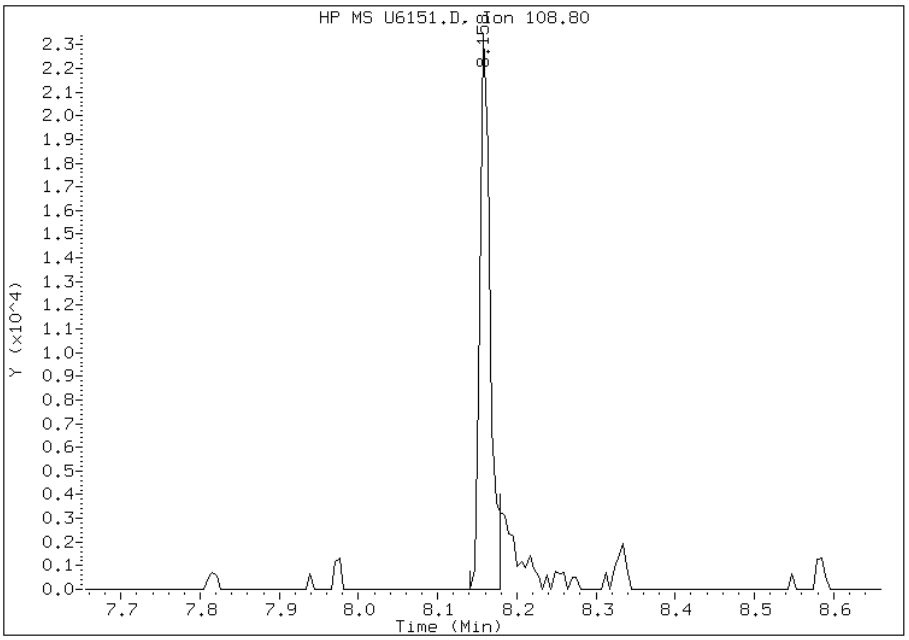
Processing Integration Results

RT: 8.16

Response: 20828

Amount: 10

Conc: 10



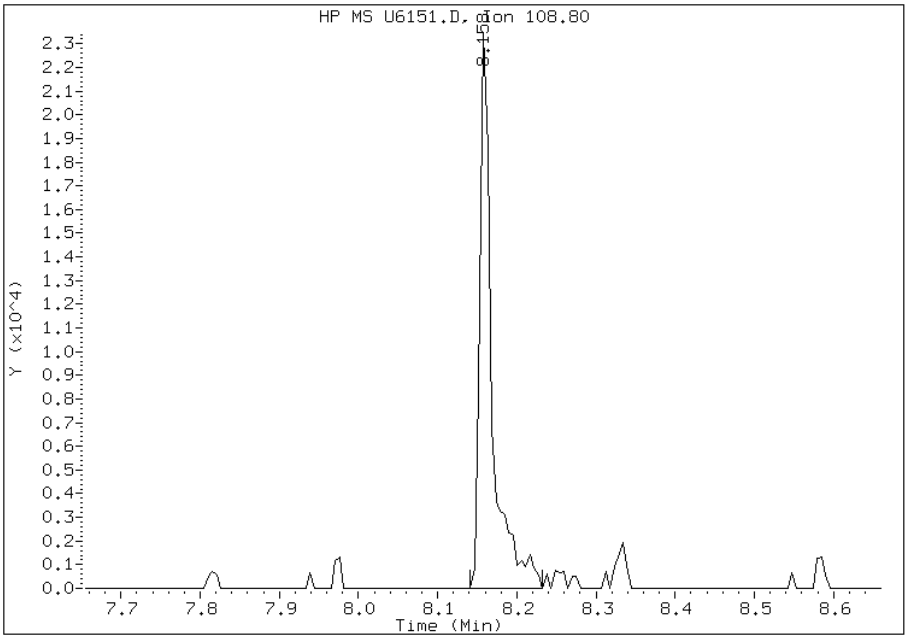
Manual Integration Results

RT: 8.16

Response: 25211

Amount: 11

Conc: 11



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 33 4-Chloro-3-methylphenol
CAS #: 59-50-7
Report Date: 08/04/2011

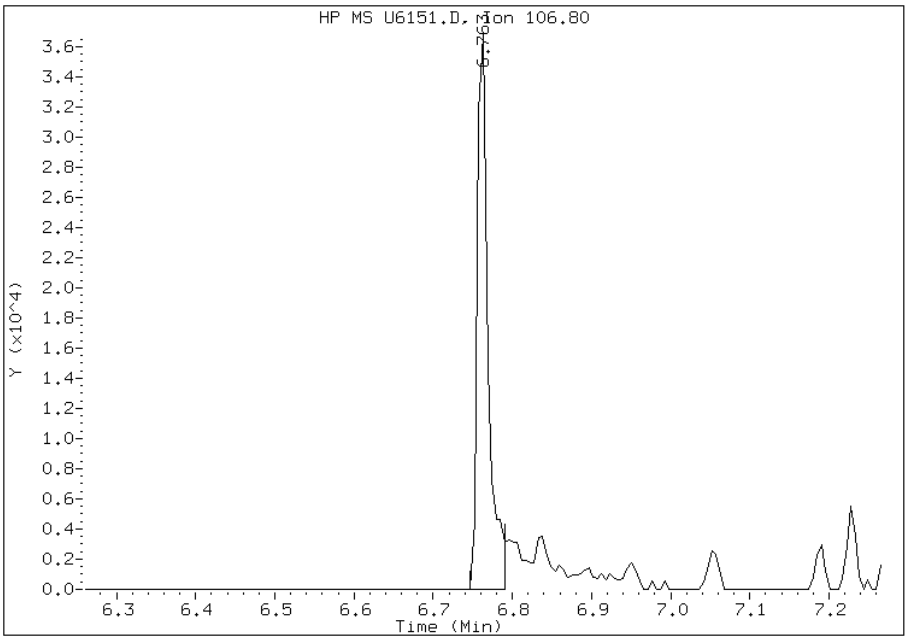
Processing Integration Results

RT: 6.76

Response: 34475

Amount: 3

Conc: 3



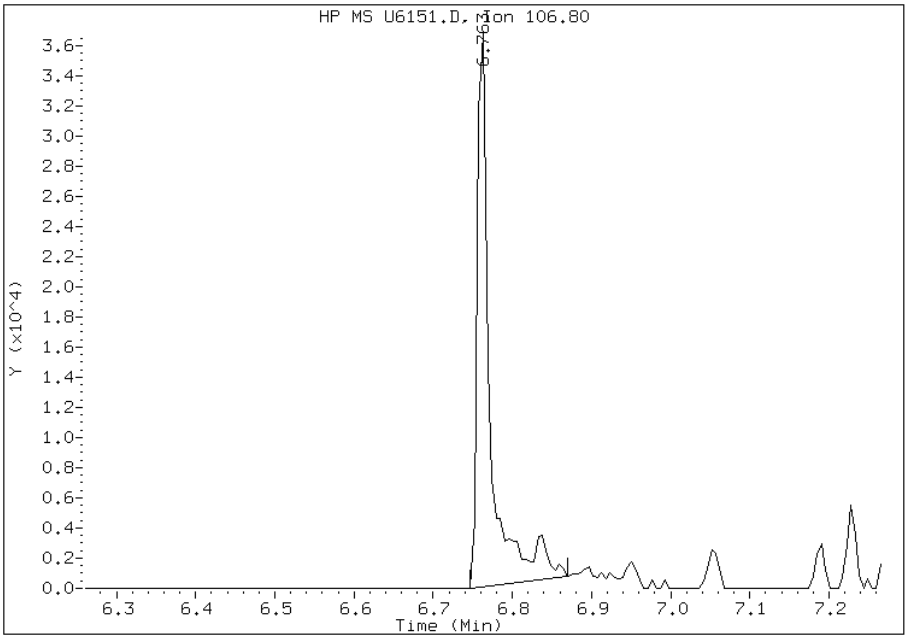
Manual Integration Results

RT: 6.76

Response: 41913

Amount: 4

Conc: 4



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

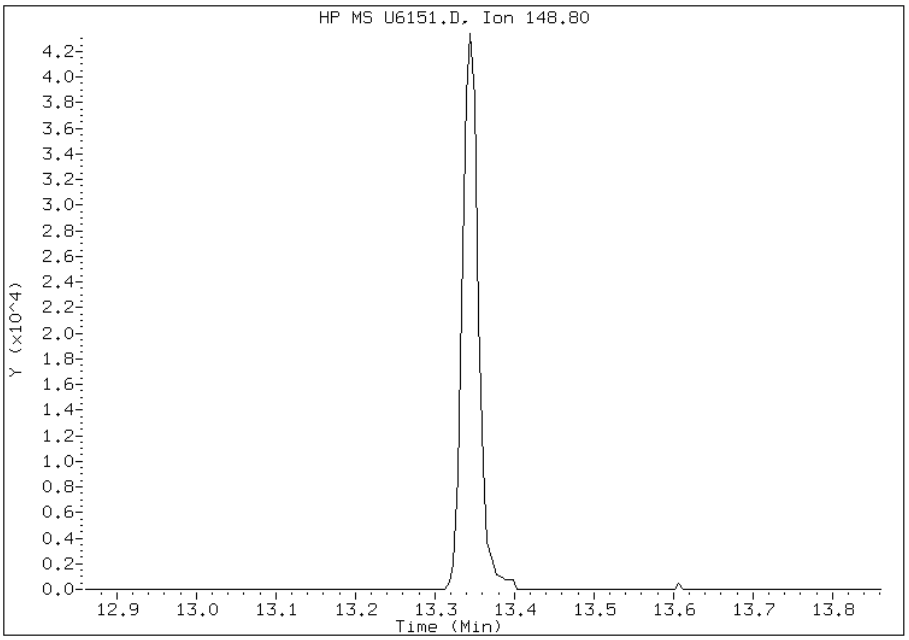
Manual Integration Report

Data File: U6151.D
Inj. Date and Time: 03-AUG-2011 11:40
Instrument ID: msu.i
Client ID: IC-635514
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 08/04/2011

Processing Integration Results

Not Detected

Expected RT: 13.36



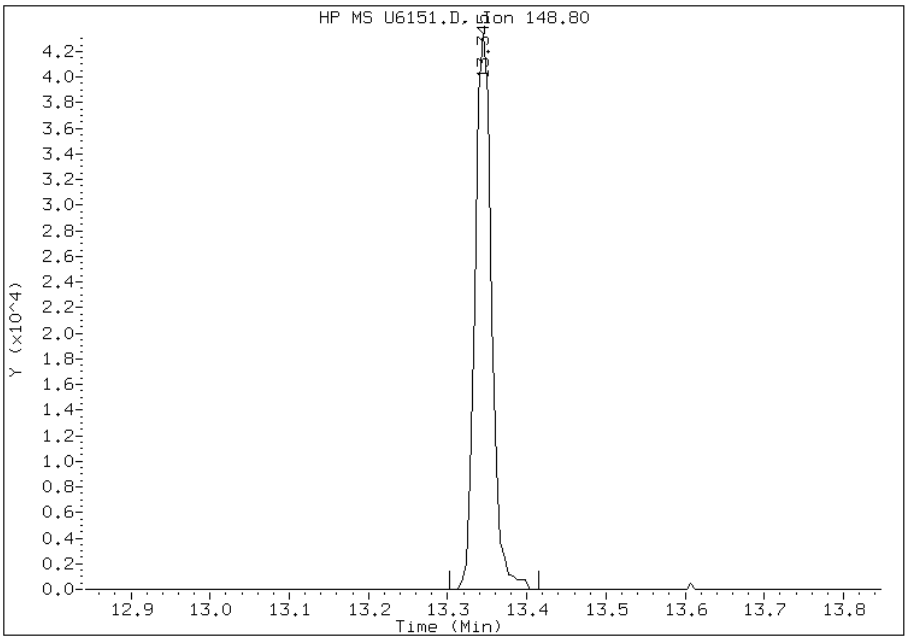
Manual Integration Results

RT: 13.34

Response: 62647

Amount: 3

Conc: 3



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak identification

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6152.D
Lab Smp Id: IC-635515 Client Smp ID: IC-635515
Inj Date : 03-AUG-2011 12:09
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635515
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 12:09 Cal File: U6152.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.765	4.765	(1.000)	204209	20.0000	
$ 2	2-Fluorophenol	112	3.349	3.349	(0.703)	119821	10.0000	10
$ 3	Phenol-d5	99	4.455	4.455	(0.935)	167004	10.0000	10
4	Pyridine	52	1.581	1.581	(0.332)	29350	10.0000	12(M)
5	N-Nitrosodimethylamine	42	1.565	1.565	(0.328)	21783	10.0000	10
6	Cyclohexanone	42	3.547	3.547	(0.744)	45190	10.0000	9
128	Benzaldehyde	77	4.284	4.284	(0.899)	93871	10.0000	16
7	Phenol	94	4.466	4.466	(0.937)	174490	10.0000	10
8	Aniline	93	4.423	4.423	(0.928)	193915	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.514	4.514	(0.947)	95010	10.0000	10
10	2-Chlorophenol	128	4.546	4.546	(0.954)	132015	10.0000	10
11	1,3-Dichlorobenzene	146	4.701	4.701	(0.987)	150057	10.0000	10
12	1,4-Dichlorobenzene	146	4.786	4.786	(1.004)	154725	10.0000	10
13	Benzyl alcohol	108	4.946	4.946	(1.038)	64048	10.0000	11
14	1,2-Dichlorobenzene	146	4.941	4.941	(1.037)	146394	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.096	5.096	(1.070)	121846	10.0000	10
16	2-Methylphenol	108	5.096	5.096	(1.070)	127835	10.0000	10
92	Acetophenone	105	5.214	5.214	(1.094)	196862	10.0000	10
17	Hexachloroethane	117	5.299	5.299	(1.112)	76241	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.235	5.235	(1.099)	100285	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.262	5.262	(1.104)	124868	10.0000	10
*	20 Naphthalene-d8	136	6.122	6.122	(1.000)	863606	20.0000	
$	21 Nitrobenzene-d5	82	5.363	5.363	(0.876)	163477	10.0000	10
	22 Nitrobenzene	77	5.384	5.384	(0.880)	163278	10.0000	10
	23 Isophorone	82	5.646	5.646	(0.922)	262702	10.0000	10
	24 2-Nitrophenol	139	5.726	5.726	(0.935)	75300	10.0000	10
	25 2,4-Dimethylphenol	122	5.817	5.817	(0.950)	99934	10.0000	10
	26 Benzoic Acid	122	5.988	5.988	(0.978)	87757	25.0000	43(M)
	27 Bis(2-Chloroethoxy)methane	93	5.903	5.903	(0.964)	171871	10.0000	10
	28 2,4-Dichlorophenol	162	5.993	5.993	(0.979)	118149	10.0000	11
	29 1,2,4-Trichlorobenzene	180	6.068	6.068	(0.991)	134439	10.0000	11
	30 Naphthalene	128	6.143	6.143	(1.003)	320629	10.0000	8
	31 4-Chloroaniline	127	6.218	6.218	(1.016)	126926	10.0000	9
	32 Hexachlorobutadiene	225	6.293	6.293	(1.028)	81767	10.0000	10
	129 Caprolactam	113	6.592	6.592	(1.077)	24924	10.0000	12(M)
	33 4-Chloro-3-methylphenol	107	6.768	6.768	(1.106)	111643	10.0000	10(M)
	34 2-Methylnaphthalene	142	6.880	6.880	(1.124)	224110	10.0000	9
*	35 Acenaphthene-d10	164	7.981	7.981	(1.000)	543151	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.843	6.843	(1.436)	86620	10.0000	8
	37 Hexachlorocyclopentadiene	237	7.057	7.057	(0.884)	48630	10.0000	9
	38 2,4,6-Trichlorophenol	196	7.195	7.195	(0.902)	76283	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.238	7.238	(0.907)	209164	25.0000	25
$	40 2-Fluorobiphenyl	172	7.281	7.281	(0.912)	281857	10.0000	10
	130 1,1'-Biphenyl	154	7.377	7.377	(0.924)	303371	10.0000	10
	41 2-Chloronaphthalene	162	7.388	7.388	(0.926)	233177	10.0000	9
	42 2-Nitroaniline	65	7.511	7.511	(0.941)	76778	10.0000	11
	43 Acenaphthylene	152	7.826	7.826	(0.981)	393842	10.0000	10
	44 Dimethylphthalate	163	7.724	7.724	(0.968)	215237	10.0000	9
	45 2,6-Dinitrotoluene	165	7.778	7.778	(0.975)	62837	10.0000	10
	46 Acenaphthene	153	8.013	8.013	(1.004)	236741	10.0000	9
	47 3-Nitroaniline	138	7.949	7.949	(0.996)	58922	10.0000	10
	48 2,4-Dinitrophenol	184	8.066	8.066	(1.011)	60660	25.0000	24
	49 Dibenzofuran	168	8.200	8.200	(1.027)	284835	10.0000	8
	50 2,4-Dinitrotoluene	165	8.200	8.200	(1.027)	75854	10.0000	10
	51 4-Nitrophenol	109	8.173	8.173	(1.024)	73558	25.0000	23(M)
	52 Fluorene	166	8.558	8.558	(1.072)	292108	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.563	8.563	(1.073)	125154	10.0000	9
	54 Diethylphthalate	149	8.467	8.467	(1.061)	234512	10.0000	10
	55 4-Nitroaniline	138	8.595	8.595	(1.077)	48572	10.0000	9
$	56 2,4,6-Tribromophenol	330	8.814	8.814	(1.104)	75319	25.0000	24
*	57 Phenanthrene-d10	188	9.546	9.546	(1.000)	797693	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.633	8.633	(0.904)	92327	25.0000	23
	59 N-Nitrosodiphenylamine (1)	169	8.697	8.697	(0.911)	195116	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.734	8.734	(0.915)	329113	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.081	9.081	(0.951)	78235	10.0000	9
	131 Atrazine	200	9.274	9.274	(0.971)	45606	10.0000	9
	62 Hexachlorobenzene	284	9.151	9.151	(0.959)	80197	10.0000	9
	63 Pentachlorophenol	266	9.364	9.364	(0.981)	62934	25.0000	24
	64 Phenanthrene	178	9.567	9.567	(1.002)	368916	10.0000	10
	65 Carbazole	167	9.803	9.803	(1.027)	317402	10.0000	10
	66 Anthracene	178	9.621	9.621	(1.008)	345484	10.0000	10
	67 Di-n-butylphthalate	149	10.187	10.187	(1.067)	297731	10.0000	10
	68 Fluoranthene	202	10.823	10.823	(1.134)	323634	10.0000	9
*	70 Chrysene-d12	240	12.410	12.410	(1.000)	440708	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.978	10.978	(0.885)	36490	10.0000	10(M)
72	Pyrene	202	11.058	11.058	(0.891)	368732	10.0000	11
$ 73	Terphenyl-d14	244	11.234	11.234	(0.905)	210960	10.0000	11
74	Butylbenzylphthalate	149	11.758	11.758	(0.947)	77096	10.0000	9
124	3,3'-Dimethylbenzidine	212	11.742	11.742	(0.946)	27660	10.0000	9
75	3,3'-Dichlorobenzidine	252	12.372	12.372	(0.997)	61171	10.0000	10
76	Benzo(a)anthracene	228	12.393	12.393	(0.999)	210154	10.0000	10
77	Chrysene	228	12.436	12.436	(1.002)	201967	10.0000	10
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.452	(1.003)	102440	10.0000	9
* 79	Perylene-d12	264	14.568	14.568	(1.000)	333355	20.0000	(M)
80	Di-n-octylphthalate	149	13.350	13.350	(0.916)	163233	10.0000	10
81	Benzo(b)fluoranthene	252	13.927	13.927	(0.956)	172315	10.0000	11
82	Benzo(k)fluoranthene	252	13.969	13.969	(0.959)	182270	10.0000	11
83	Benzo(a)pyrene	252	14.461	14.461	(0.993)	154450	10.0000	11
84	Indeno(1,2,3-cd)pyrene	276	16.560	16.560	(1.137)	140375	10.0000	10
85	Dibenzo(a,h)anthracene	278	16.609	16.609	(1.140)	144212	10.0000	11
86	Benzo(g,h,i)perylene	276	17.084	17.084	(1.173)	159491	10.0000	13(M)
167	Simazine	201	9.242	9.242	(0.968)	29901	2.00000	2
103	1,2,4,5-Tetrachlorobenzene	216	7.062	7.062	(0.885)	64770	10.0000	12
109	2,3,4,6-Tetrachlorophenol	232	8.339	8.339	(1.045)	56239	10.0000	11
119	Pentachloronitrobenzene	237	9.375	9.375	(0.982)	33959	10.0000	11

QC Flag Legend

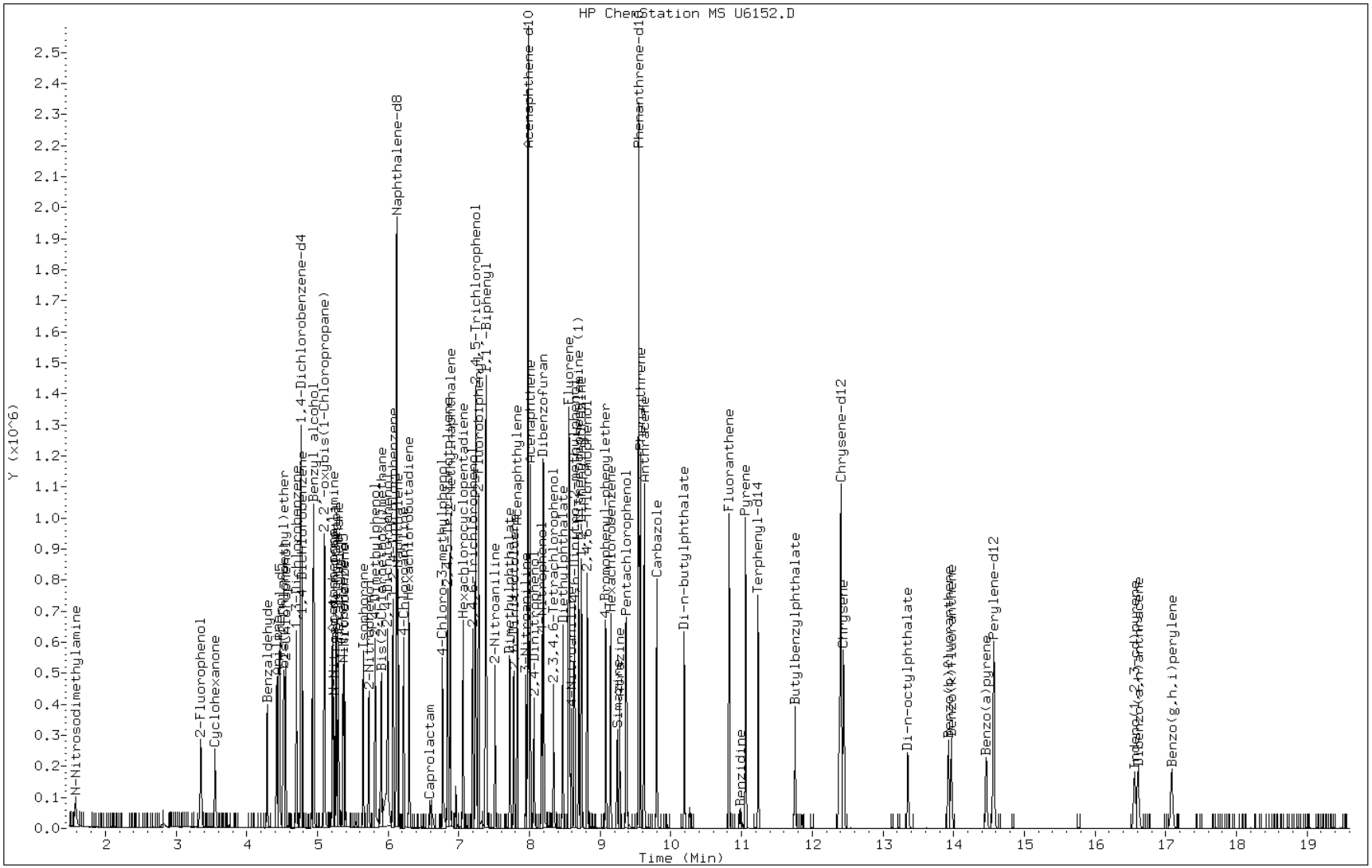
M - Compound response manually integrated.

Data File: U6152.D

Date: 03-AUG-2011 12:09

Client ID: IC-635515 Instrument: msu.i

Sample Info: IC-635515 Operator: S.Jonas



Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/04/2011

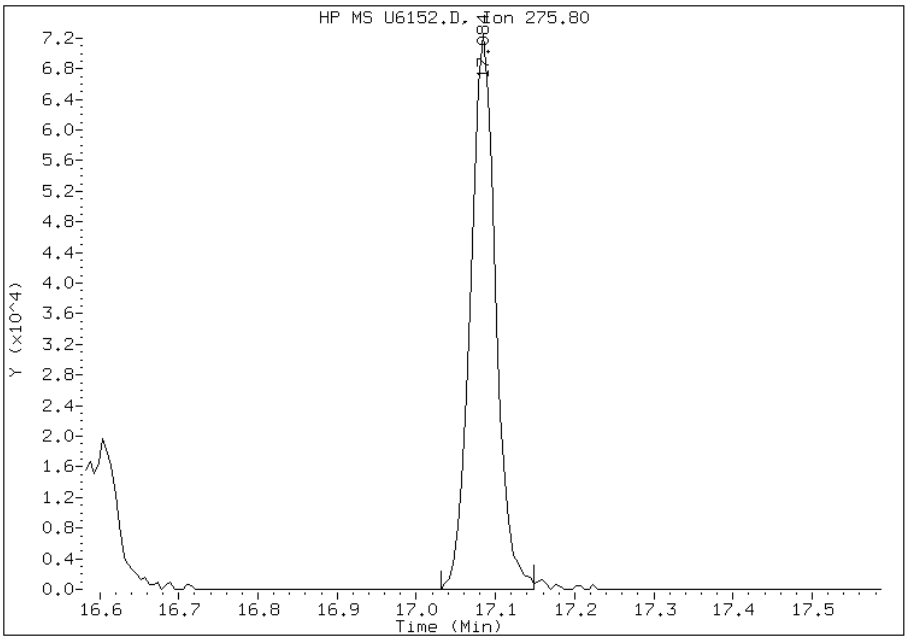
Processing Integration Results

RT: 17.08

Response: 159491

Amount: 13

Conc: 13



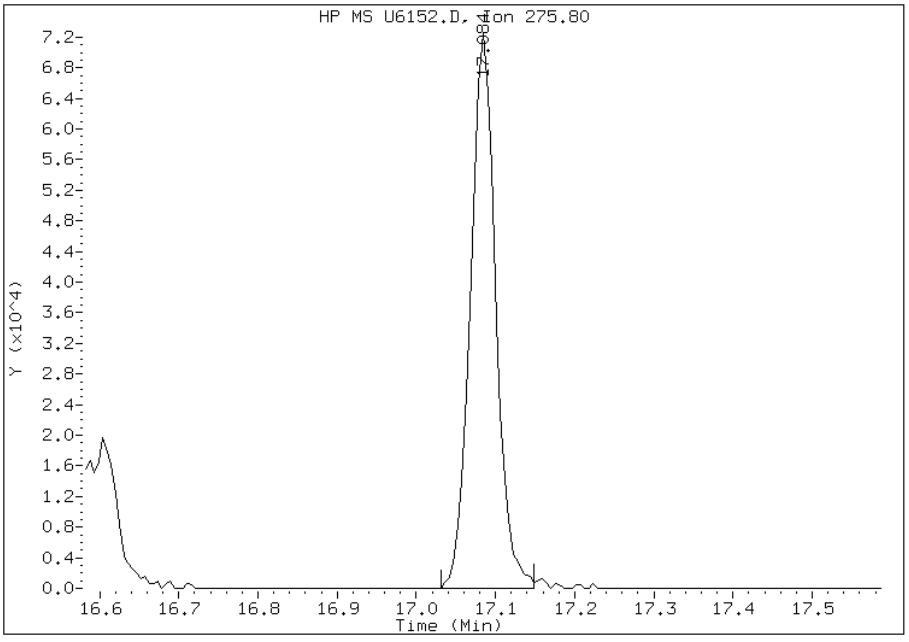
Manual Integration Results

RT: 17.08

Response: 159491

Amount: 13

Conc: 13



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

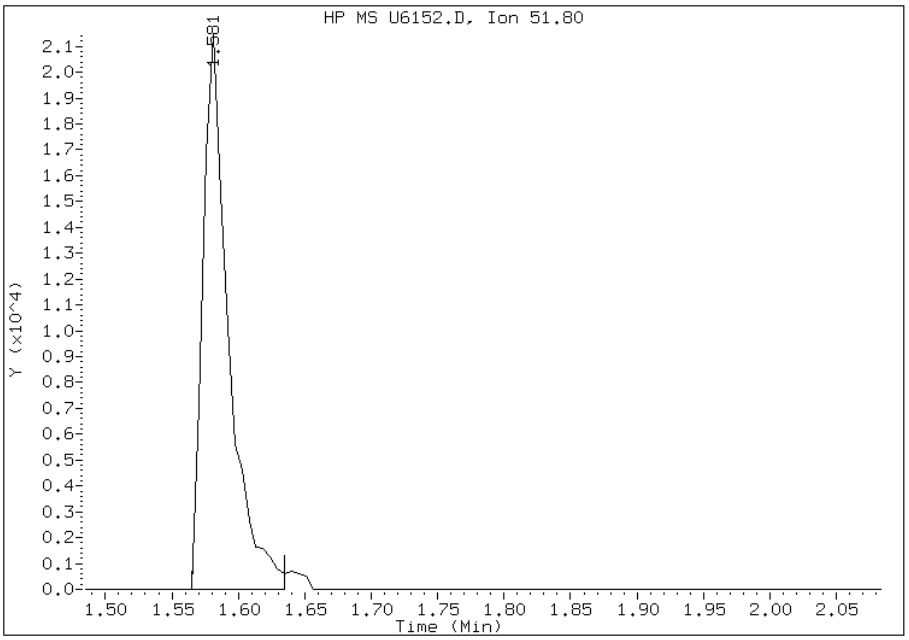
Processing Integration Results

RT: 1.58

Response: 28773

Amount: 12

Conc: 12



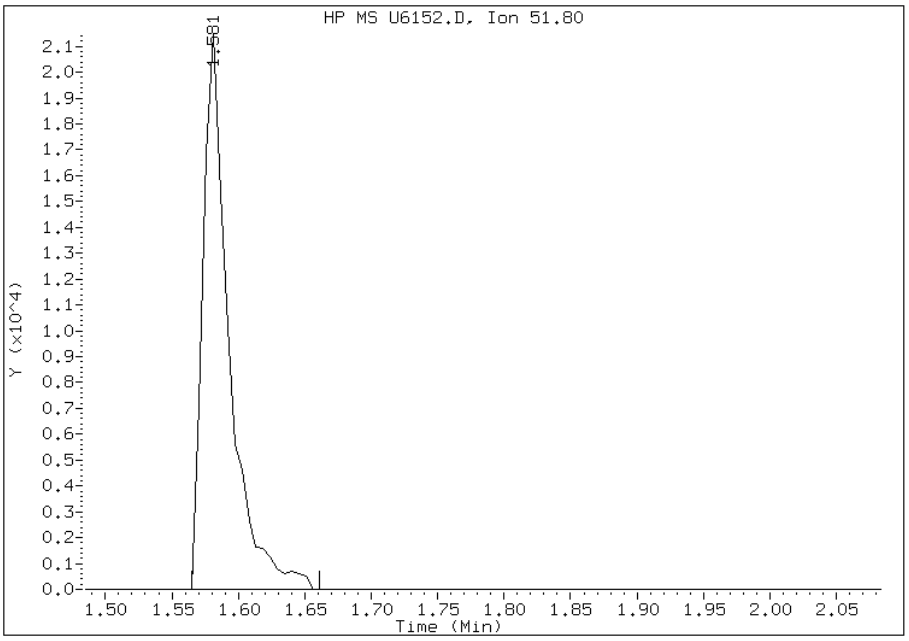
Manual Integration Results

RT: 1.58

Response: 29350

Amount: 12

Conc: 12



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

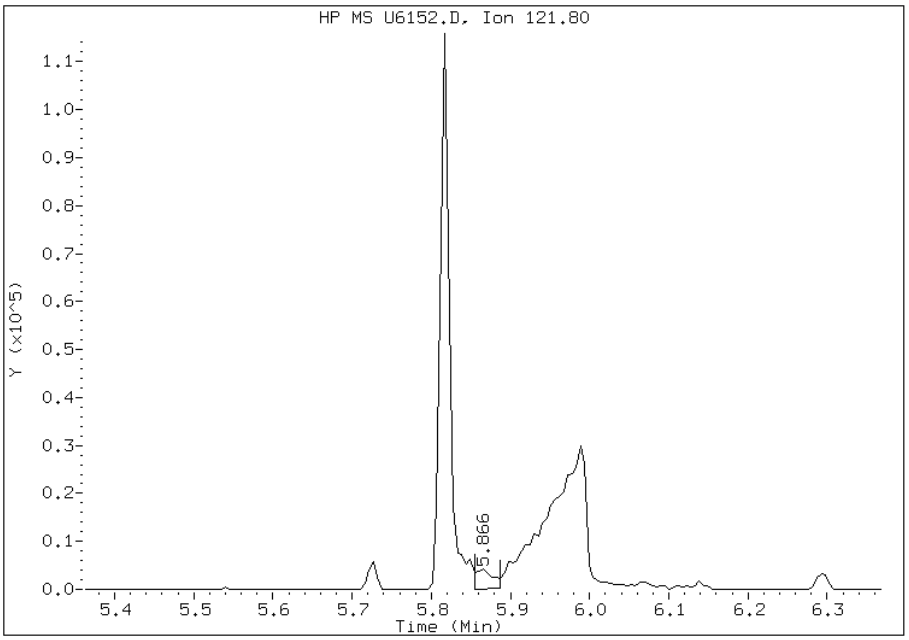
Processing Integration Results

RT: 5.87

Response: 6776

Amount: 20

Conc: 20



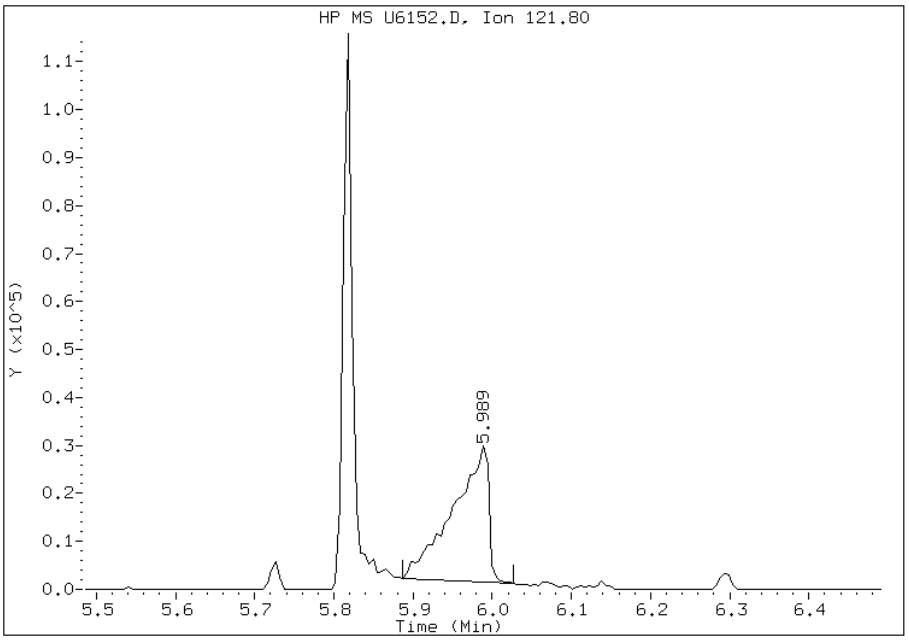
Manual Integration Results

RT: 5.99

Response: 87757

Amount: 43

Conc: 43



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/04/2011

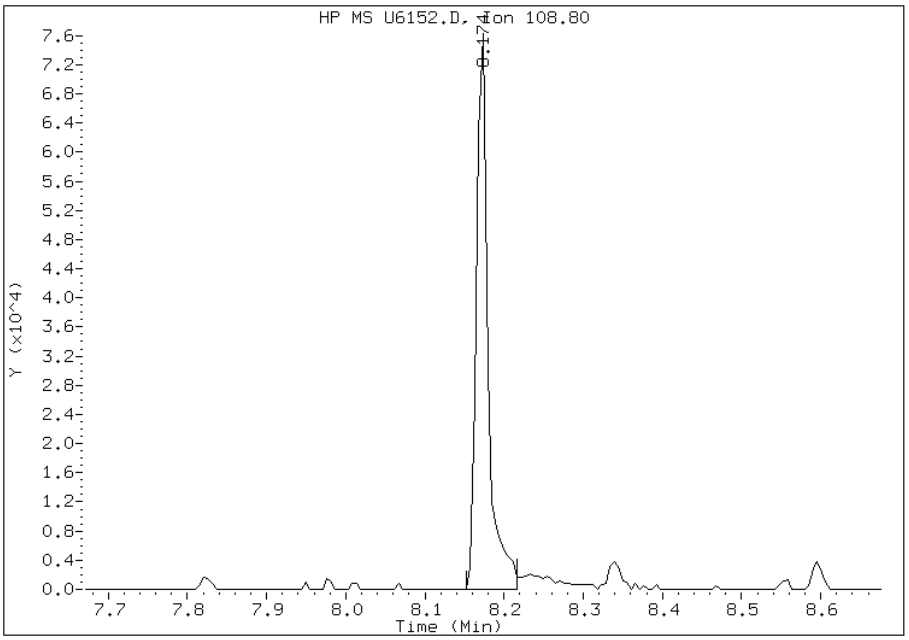
Processing Integration Results

RT: 8.17

Response: 76944

Amount: 25

Conc: 25



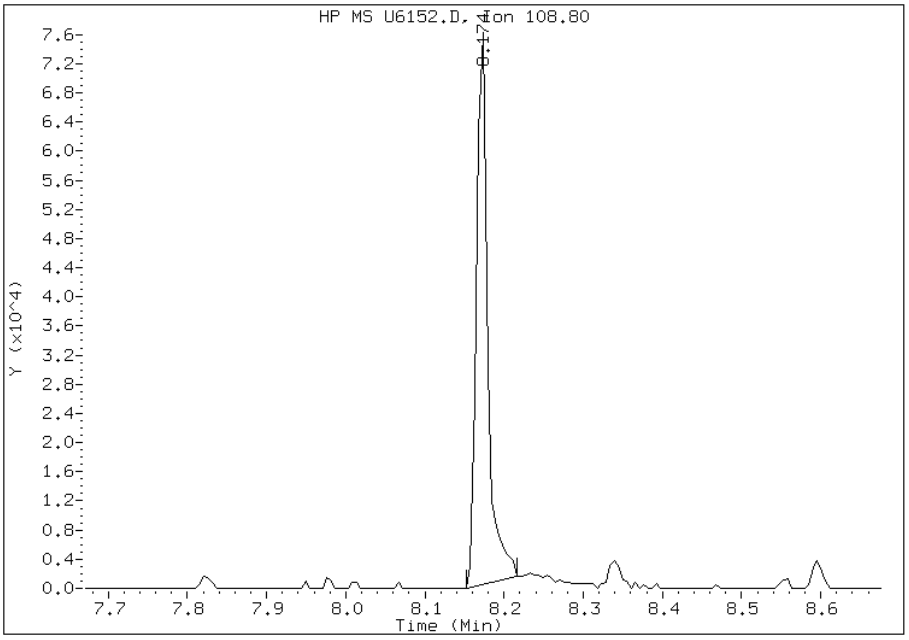
Manual Integration Results

RT: 8.17

Response: 73558

Amount: 23

Conc: 23



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 79 Perylene-d12
CAS #: 1520-96-3
Report Date: 08/04/2011

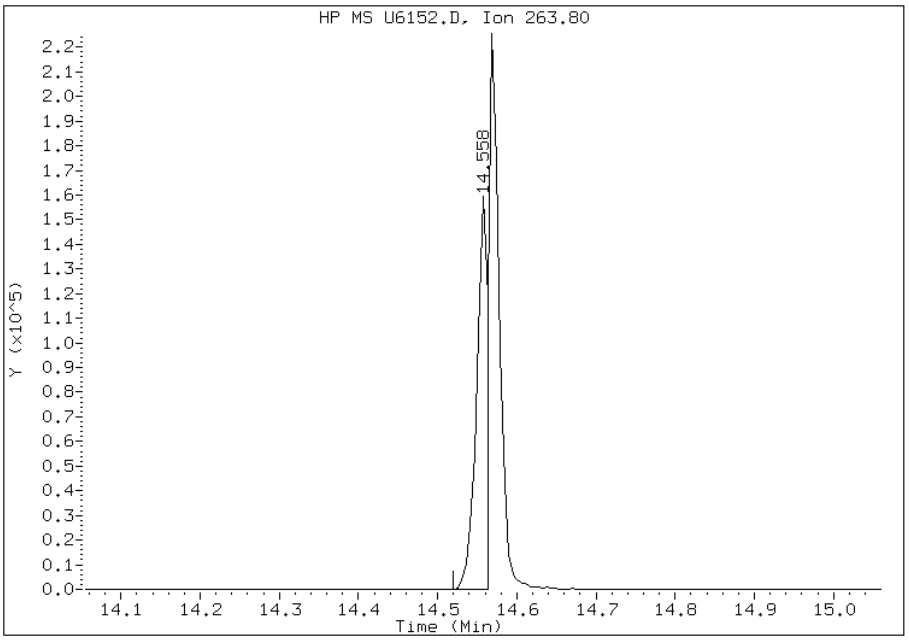
Processing Integration Results

RT: 14.56

Response: 152706

Amount: 20

Conc: 20



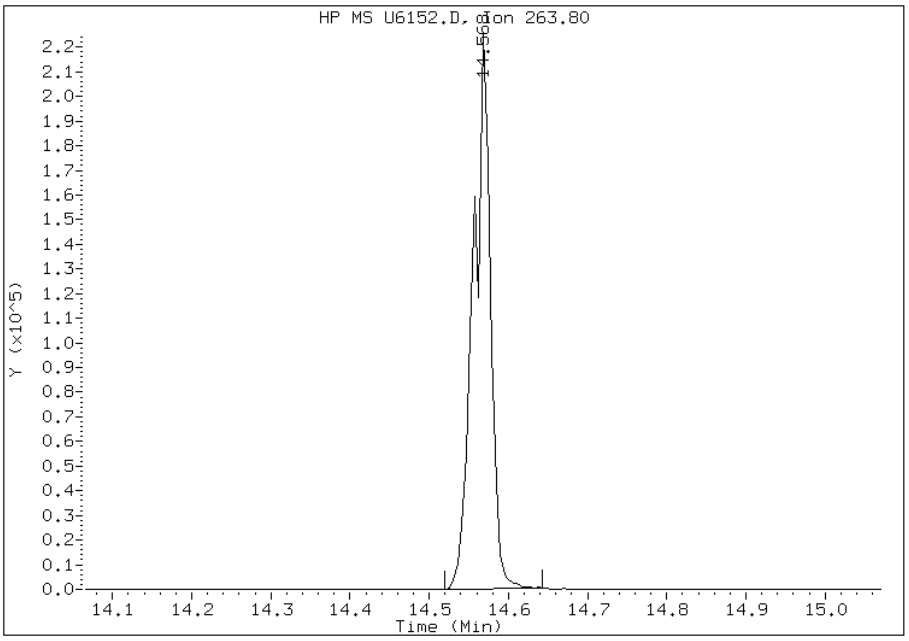
Manual Integration Results

RT: 14.57

Response: 333355

Amount: 20

Conc: 20



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 71 Benzidine
CAS #: 92-87-5
Report Date: 08/04/2011

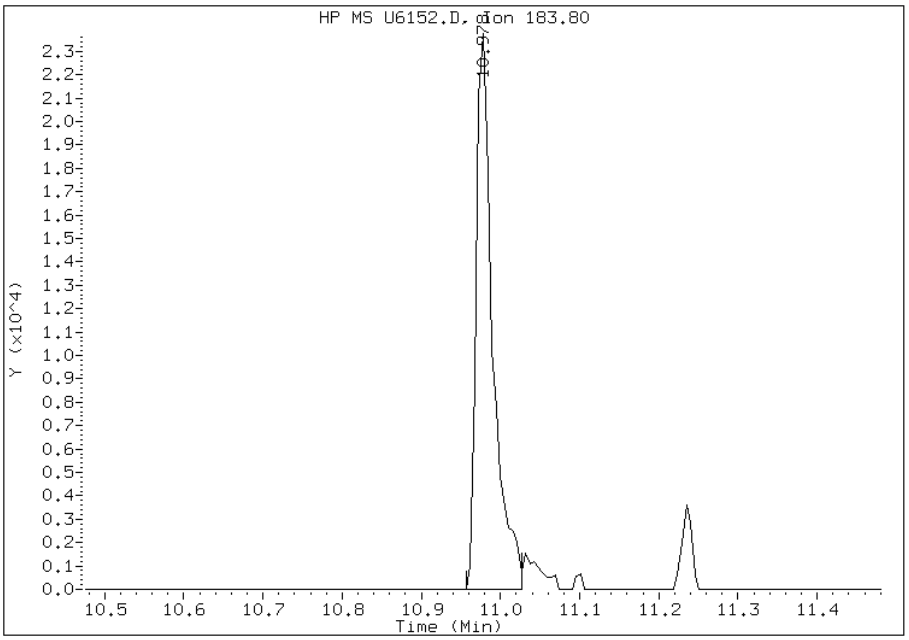
Processing Integration Results

RT: 10.98

Response: 34215

Amount: 9

Conc: 9



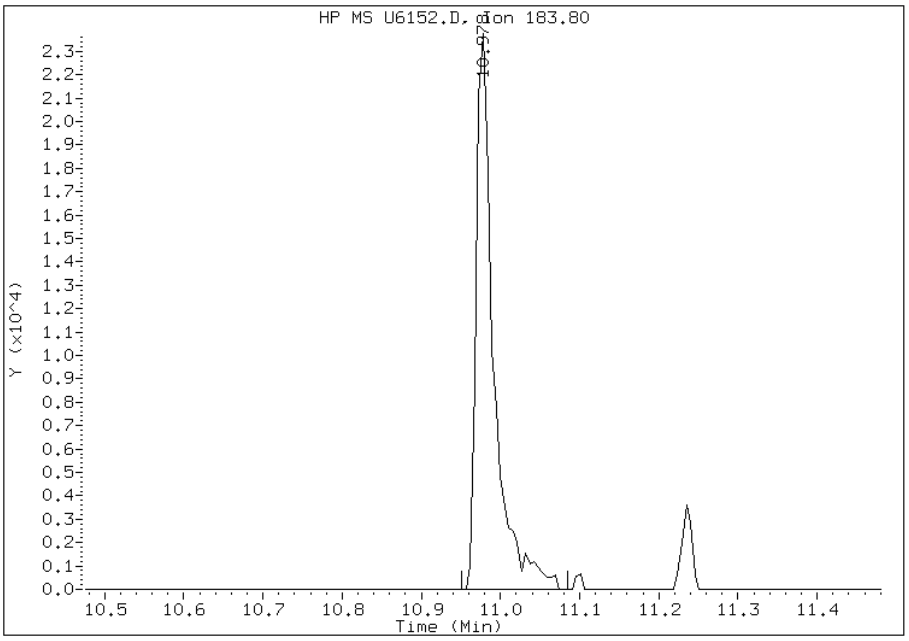
Manual Integration Results

RT: 10.98

Response: 36490

Amount: 10

Conc: 10



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/04/2011

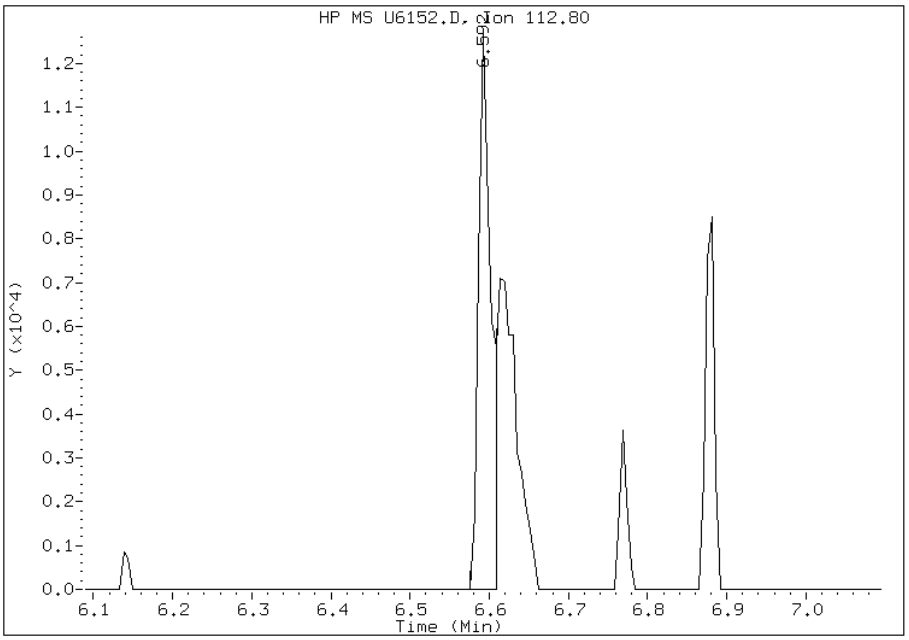
Processing Integration Results

RT: 6.59

Response: 13522

Amount: 7

Conc: 7



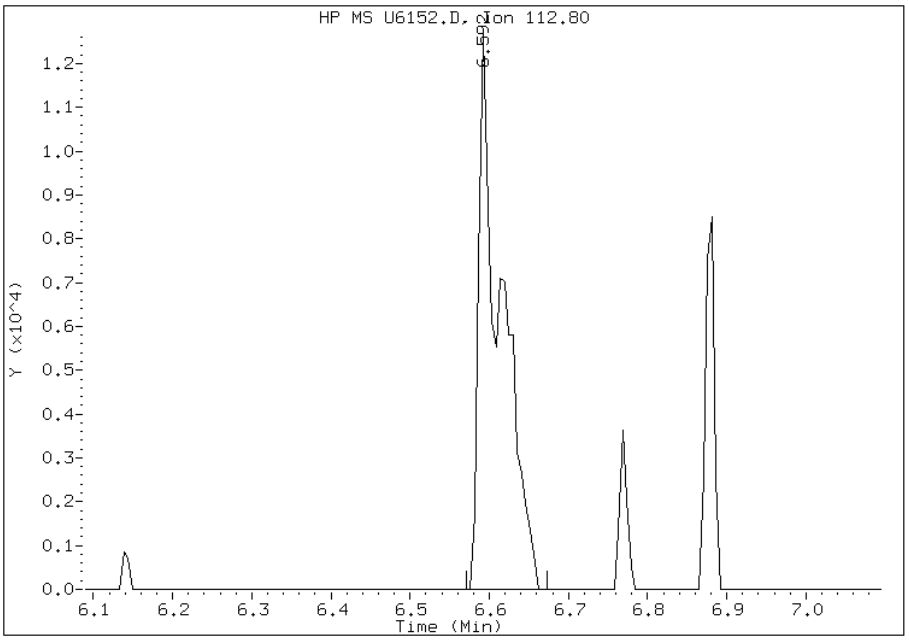
Manual Integration Results

RT: 6.59

Response: 24924

Amount: 12

Conc: 12



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6152.D
Inj. Date and Time: 03-AUG-2011 12:09
Instrument ID: msu.i
Client ID: IC-635515
Compound: 33 4-Chloro-3-methylphenol
CAS #: 59-50-7
Report Date: 08/04/2011

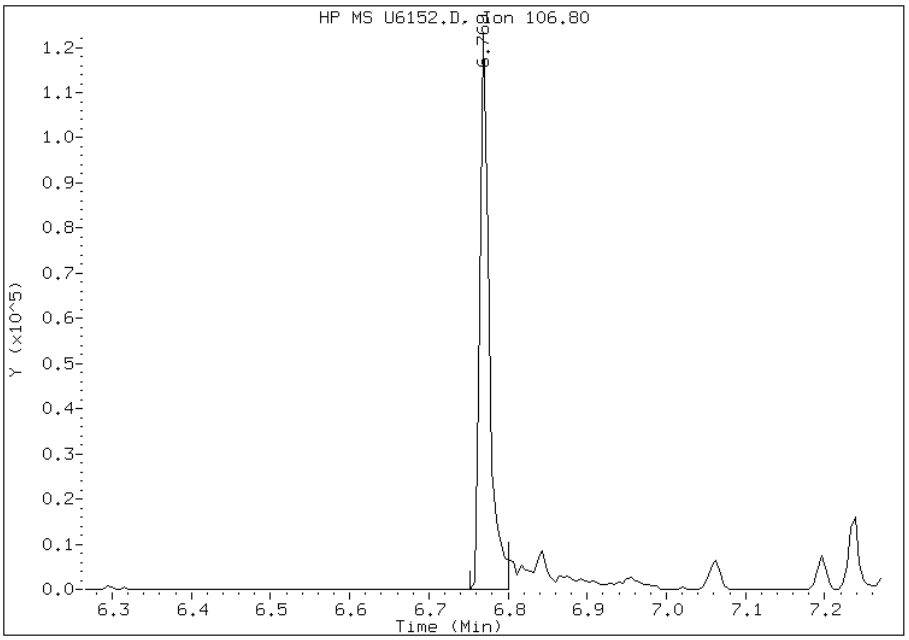
Processing Integration Results

RT: 6.77

Response: 99897

Amount: 9

Conc: 9



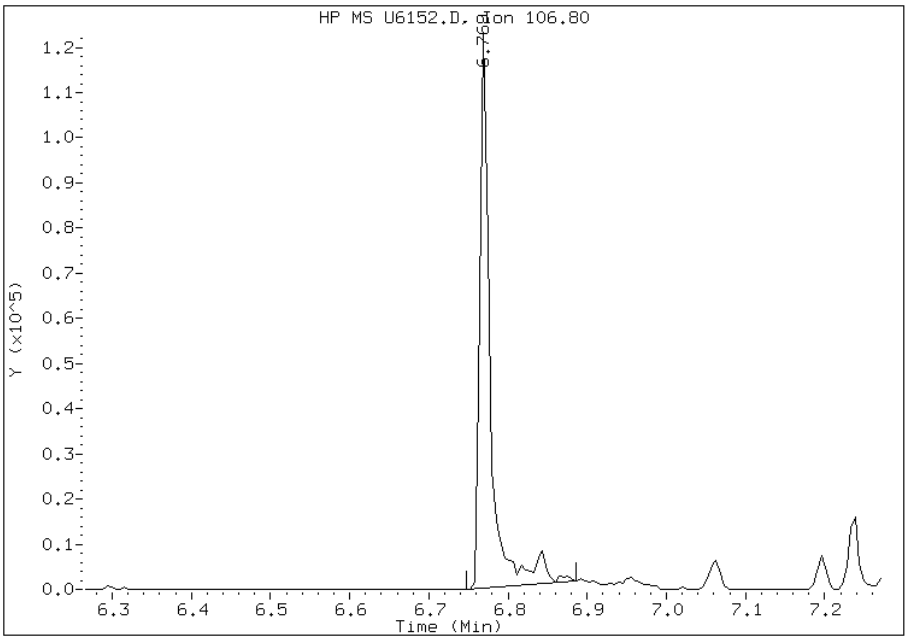
Manual Integration Results

RT: 6.77

Response: 111643

Amount: 10

Conc: 10



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6153.D
Lab Smp Id: IC-635516 Client Smp ID: IC-635516
Inj Date : 03-AUG-2011 12:37
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635516
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 12:37 Cal File: U6153.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.765	4.765	(1.000)	184233	20.0000	
$ 2	2-Fluorophenol	112	3.349	3.349	(0.703)	234345	20.0000	21
$ 3	Phenol-d5	99	4.455	4.455	(0.935)	340029	20.0000	22
4	Pyridine	52	1.581	1.581	(0.332)	54595	20.0000	25(M)
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.330)	44849	20.0000	24
6	Cyclohexanone	42	3.547	3.547	(0.744)	73797	20.0000	17
128	Benzaldehyde	77	4.284	4.284	(0.899)	160924	20.0000	31
7	Phenol	94	4.471	4.471	(0.938)	338489	20.0000	22
8	Aniline	93	4.423	4.423	(0.928)	352961	20.0000	20
9	bis(2-Chloroethyl)ether	63	4.514	4.514	(0.947)	191078	20.0000	22
10	2-Chlorophenol	128	4.546	4.546	(0.954)	211511	20.0000	18
11	1,3-Dichlorobenzene	146	4.695	4.695	(0.985)	252495	20.0000	19
12	1,4-Dichlorobenzene	146	4.781	4.781	(1.003)	308658	20.0000	21
13	Benzyl alcohol	108	4.946	4.946	(1.038)	118544	20.0000	22
14	1,2-Dichlorobenzene	146	4.941	4.941	(1.037)	295679	20.0000	22
15	2,2'-oxybis(1-Chloropropane)	45	5.091	5.091	(1.068)	238796	20.0000	21
16	2-Methylphenol	108	5.101	5.101	(1.071)	213908	20.0000	19
92	Acetophenone	105	5.214	5.214	(1.094)	334492	20.0000	20
17	Hexachloroethane	117	5.294	5.294	(1.111)	151444	20.0000	21
18	N-Nitroso-di-n-propylamine	70	5.235	5.235	(1.099)	198028	20.0000	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.267	5.267	(1.105)	229501	20.0000	20
*	20 Naphthalene-d8	136	6.116	6.116	(1.000)	817504	20.0000	
$	21 Nitrobenzene-d5	82	5.363	5.363	(0.877)	319136	20.0000	21
	22 Nitrobenzene	77	5.385	5.385	(0.880)	326709	20.0000	21
	23 Isophorone	82	5.646	5.646	(0.923)	513320	20.0000	21
	24 2-Nitrophenol	139	5.726	5.726	(0.936)	131089	20.0000	19
	25 2,4-Dimethylphenol	122	5.817	5.817	(0.951)	197498	20.0000	21
	26 Benzoic Acid	122	5.999	5.999	(0.981)	131381	30.0000	36(M)
	27 Bis(2-Chloroethoxy)methane	93	5.903	5.903	(0.965)	339911	20.0000	21
	28 2,4-Dichlorophenol	162	5.994	5.994	(0.980)	229615	20.0000	22
	29 1,2,4-Trichlorobenzene	180	6.068	6.068	(0.992)	262810	20.0000	22
	30 Naphthalene	128	6.138	6.138	(1.003)	759200	20.0000	21
	31 4-Chloroaniline	127	6.218	6.218	(1.017)	269609	20.0000	20
	32 Hexachlorobutadiene	225	6.293	6.293	(1.029)	142523	20.0000	19
	129 Caprolactam	113	6.613	6.613	(1.081)	54689	20.0000	26(M)
	33 4-Chloro-3-methylphenol	107	6.768	6.768	(1.107)	229335	20.0000	22(M)
	34 2-Methylnaphthalene	142	6.875	6.875	(1.124)	514179	20.0000	22
*	35 Acenaphthene-d10	164	7.975	7.975	(1.000)	522015	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.843	6.843	(1.436)	217104	20.0000	23
	37 Hexachlorocyclopentadiene	237	7.057	7.057	(0.885)	127569	20.0000	19
	38 2,4,6-Trichlorophenol	196	7.196	7.196	(0.902)	150789	20.0000	20
	39 2,4,5-Trichlorophenol	196	7.238	7.238	(0.908)	246469	30.0000	30
$	40 2-Fluorobiphenyl	172	7.276	7.276	(0.912)	545230	20.0000	20
	130 1,1'-Biphenyl	154	7.377	7.377	(0.925)	594778	20.0000	20
	41 2-Chloronaphthalene	162	7.388	7.388	(0.926)	476933	20.0000	19
	42 2-Nitroaniline	65	7.511	7.511	(0.942)	152185	20.0000	22
	43 Acenaphthylene	152	7.821	7.821	(0.981)	782675	20.0000	21
	44 Dimethylphthalate	163	7.719	7.719	(0.968)	497293	20.0000	21
	45 2,6-Dinitrotoluene	165	7.778	7.778	(0.975)	125370	20.0000	20
	46 Acenaphthene	153	8.008	8.008	(1.004)	487580	20.0000	20
	47 3-Nitroaniline	138	7.949	7.949	(0.997)	119807	20.0000	21
	48 2,4-Dinitrophenol	184	8.061	8.061	(1.011)	79333	30.0000	30
	49 Dibenzofuran	168	8.189	8.189	(1.027)	575053	20.0000	17
	50 2,4-Dinitrotoluene	165	8.200	8.200	(1.028)	129398	20.0000	18
	51 4-Nitrophenol	109	8.173	8.173	(1.025)	90302	30.0000	29(M)
	52 Fluorene	166	8.552	8.552	(1.072)	581612	20.0000	21
	53 4-Chlorophenyl-phenylether	204	8.563	8.563	(1.074)	270502	20.0000	20
	54 Diethylphthalate	149	8.467	8.467	(1.062)	471473	20.0000	21
	55 4-Nitroaniline	138	8.601	8.601	(1.078)	101203	20.0000	20
$	56 2,4,6-Tribromophenol	330	8.814	8.814	(1.105)	92600	30.0000	30
*	57 Phenanthrene-d10	188	9.541	9.541	(1.000)	728960	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.638	8.638	(0.905)	125107	30.0000	32
	59 N-Nitrosodiphenylamine (1)	169	8.697	8.697	(0.912)	384947	20.0000	22
	60 1,2-Diphenylhydrazine	77	8.729	8.729	(0.915)	631154	20.0000	21
	61 4-Bromophenyl-phenylether	248	9.076	9.076	(0.951)	164029	20.0000	21
	131 Atrazine	200	9.274	9.274	(0.972)	87893	20.0000	18
	62 Hexachlorobenzene	284	9.145	9.145	(0.959)	171710	20.0000	22
	63 Pentachlorophenol	266	9.359	9.359	(0.981)	80375	30.0000	30
	64 Phenanthrene	178	9.562	9.562	(1.002)	746142	20.0000	21
	65 Carbazole	167	9.797	9.797	(1.027)	630290	20.0000	22
	66 Anthracene	178	9.616	9.616	(1.008)	744889	20.0000	23
	67 Di-n-butylphthalate	149	10.182	10.182	(1.067)	612188	20.0000	23
	68 Fluoranthene	202	10.818	10.818	(1.134)	718214	20.0000	23
*	70 Chrysene-d12	240	12.399	12.399	(1.000)	419702	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.972	10.972	(0.885)	60711	20.0000	17(M)
72	Pyrene	202	11.053	11.053	(0.891)	684770	20.0000	22
$ 73	Terphenyl-d14	244	11.229	11.229	(0.906)	415949	20.0000	23
74	Butylbenzylphthalate	149	11.752	11.752	(0.948)	163215	20.0000	21
124	3,3'-Dimethylbenzidine	212	11.736	11.736	(0.947)	60164	20.0000	20
75	3,3'-Dichlorobenzidine	252	12.367	12.367	(0.997)	124645	20.0000	21
76	Benzo(a)anthracene	228	12.388	12.388	(0.999)	390346	20.0000	20
77	Chrysene	228	12.431	12.431	(1.003)	380038	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.442	12.442	(1.003)	195795	20.0000	19
* 79	Perylene-d12	264	14.557	14.557	(1.000)	362249	20.0000	
80	Di-n-octylphthalate	149	13.344	13.344	(0.917)	361523	20.0000	20
81	Benzo(b)fluoranthene	252	13.921	13.921	(0.956)	354890	20.0000	21
82	Benzo(k)fluoranthene	252	13.964	13.964	(0.959)	366239	20.0000	21
83	Benzo(a)pyrene	252	14.456	14.456	(0.993)	292328	20.0000	19
84	Indeno(1,2,3-cd)pyrene	276	16.550	16.550	(1.137)	325736	20.0000	22
85	Dibenzo(a,h)anthracene	278	16.603	16.603	(1.141)	314336	20.0000	21
86	Benzo(g,h,i)perylene	276	17.079	17.079	(1.173)	325706	20.0000	24
167	Simazine	201	9.242	9.242	(0.969)	55745	4.00000	5
103	1,2,4,5-Tetrachlorobenzene	216	7.057	7.057	(0.885)	131395	25.0000	22
109	2,3,4,6-Tetrachlorophenol	232	8.339	8.339	(1.046)	113817	25.0000	22
119	Pentachloronitrobenzene	237	9.370	9.370	(0.982)	56595	25.0000	21

QC Flag Legend

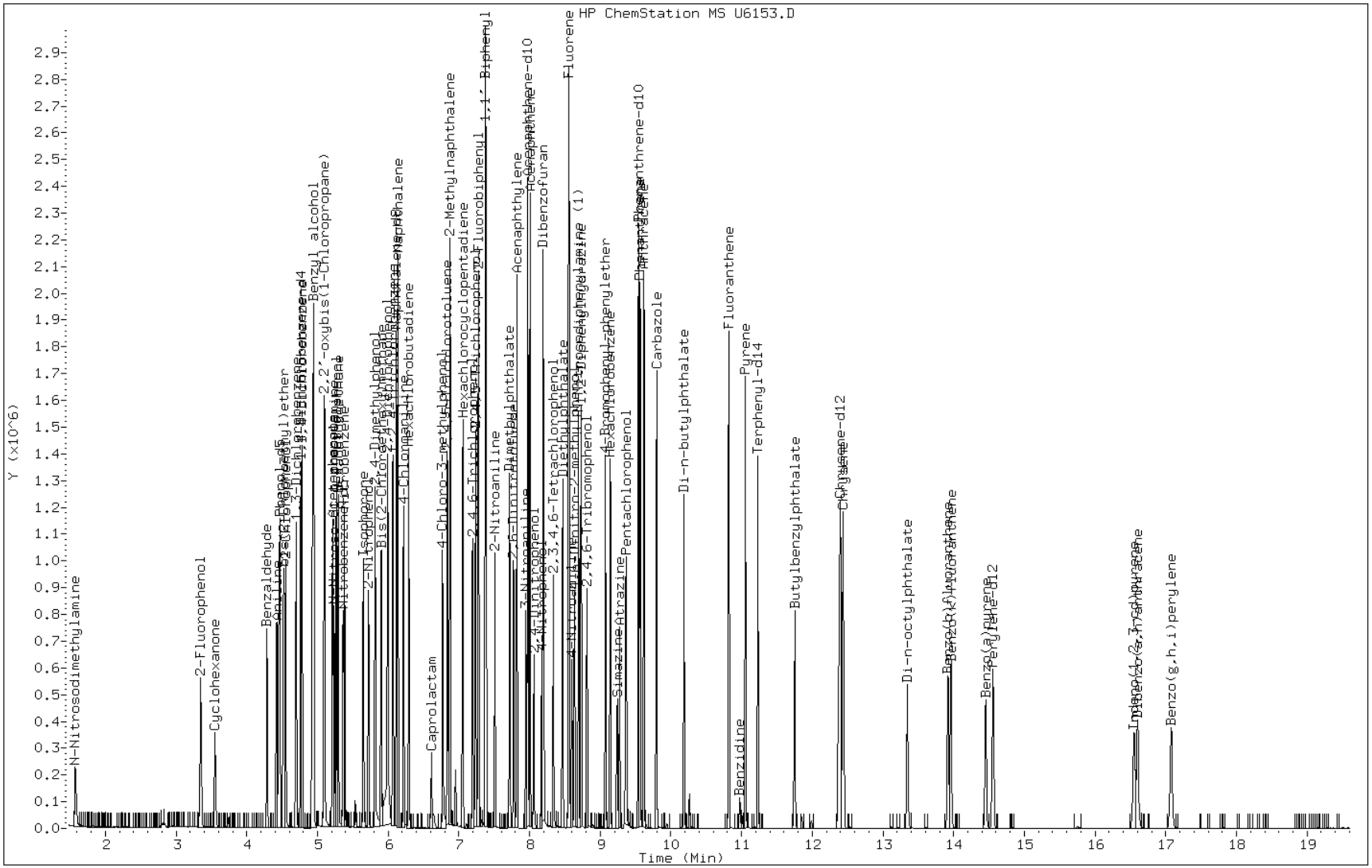
M - Compound response manually integrated.

Data File: U6153.D

Date: 03-AUG-2011 12:37

Client ID: IC-635516 Instrument: msu.i

Sample Info: IC-635516 Operator: S.Jonas



Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/04/2011

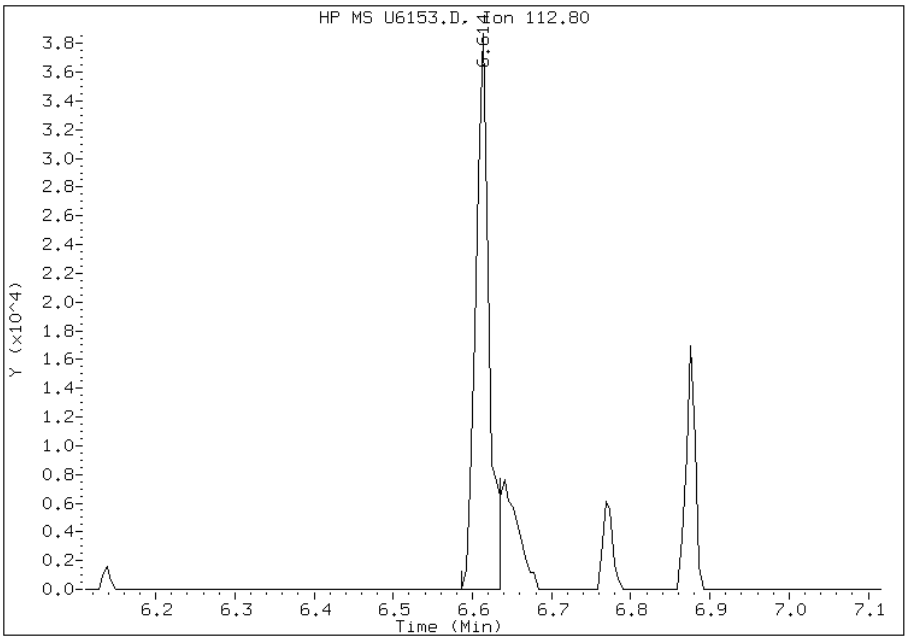
Processing Integration Results

RT: 6.61

Response: 44455

Amount: 22

Conc: 22



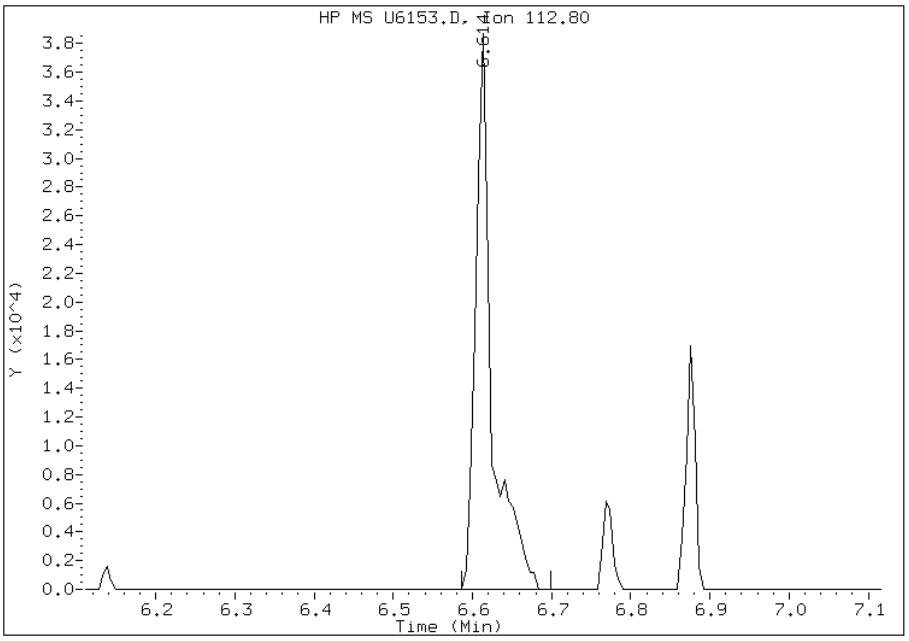
Manual Integration Results

RT: 6.61

Response: 54689

Amount: 26

Conc: 26



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 71 Benzidine
CAS #: 92-87-5
Report Date: 08/04/2011

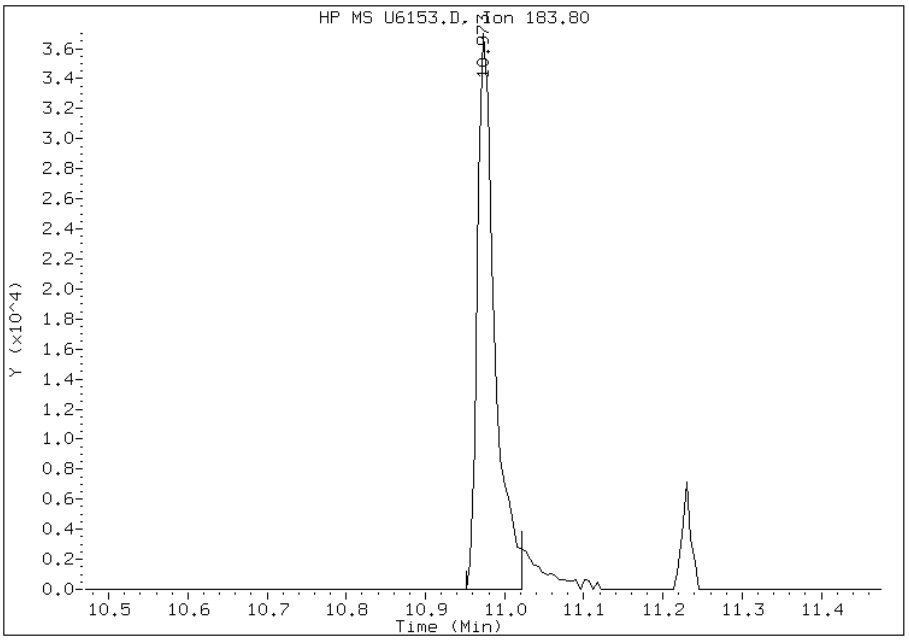
Processing Integration Results

RT: 10.97

Response: 55983

Amount: 16

Conc: 16



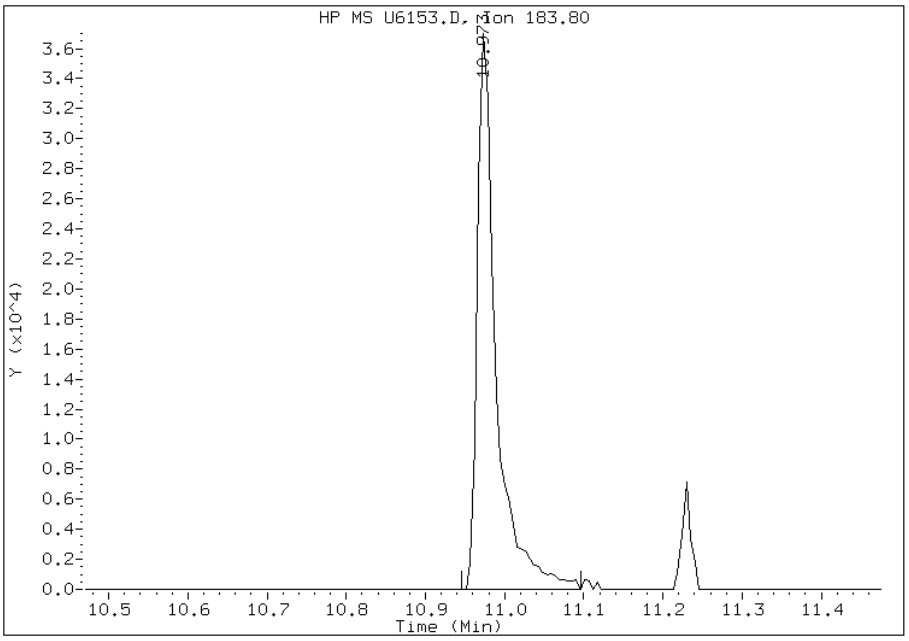
Manual Integration Results

RT: 10.97

Response: 60711

Amount: 17

Conc: 17



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

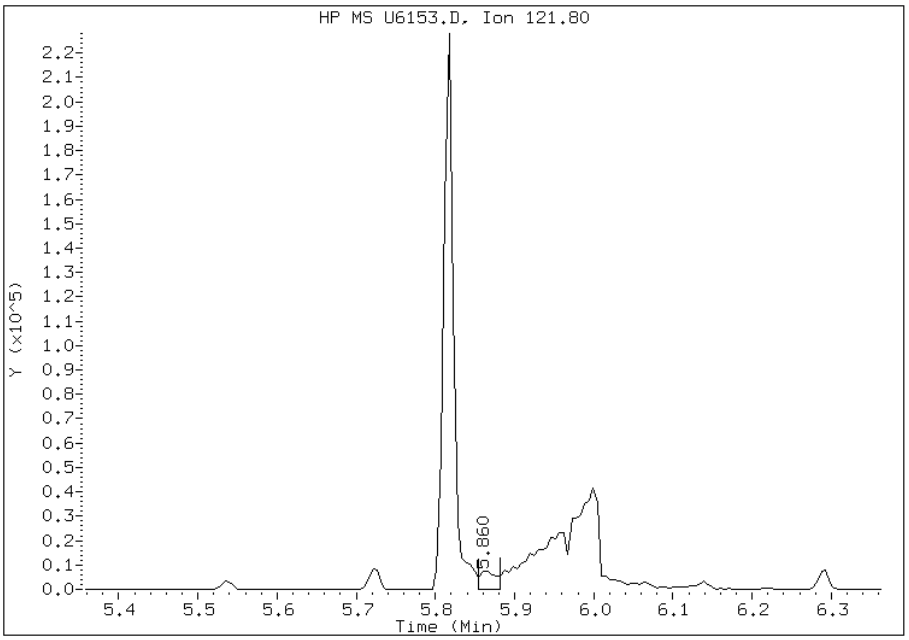
Processing Integration Results

RT: 5.86

Response: 11301

Amount: 33

Conc: 33



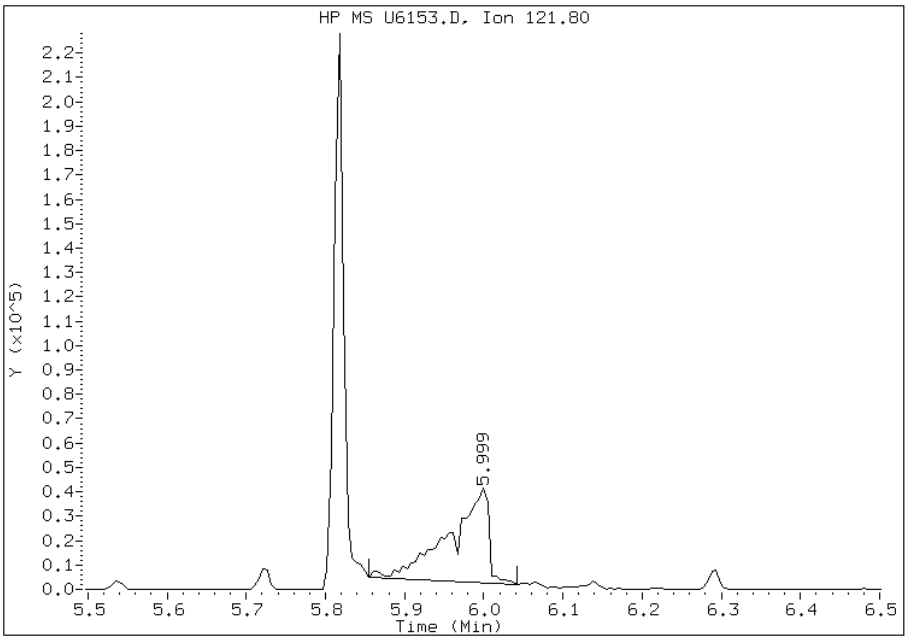
Manual Integration Results

RT: 6.00

Response: 131381

Amount: 36

Conc: 36



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/04/2011

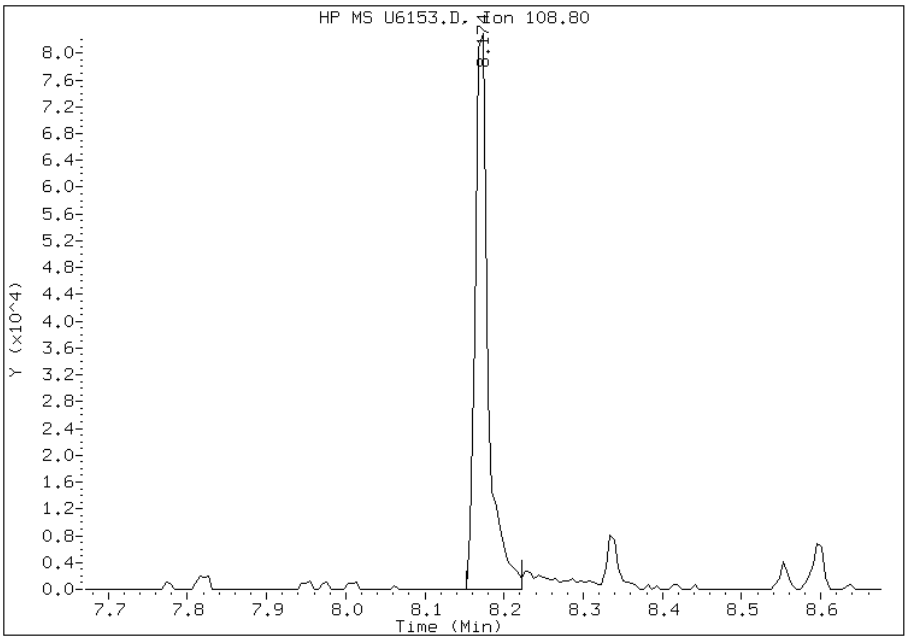
Processing Integration Results

RT: 8.17

Response: 93959

Amount: 29

Conc: 29



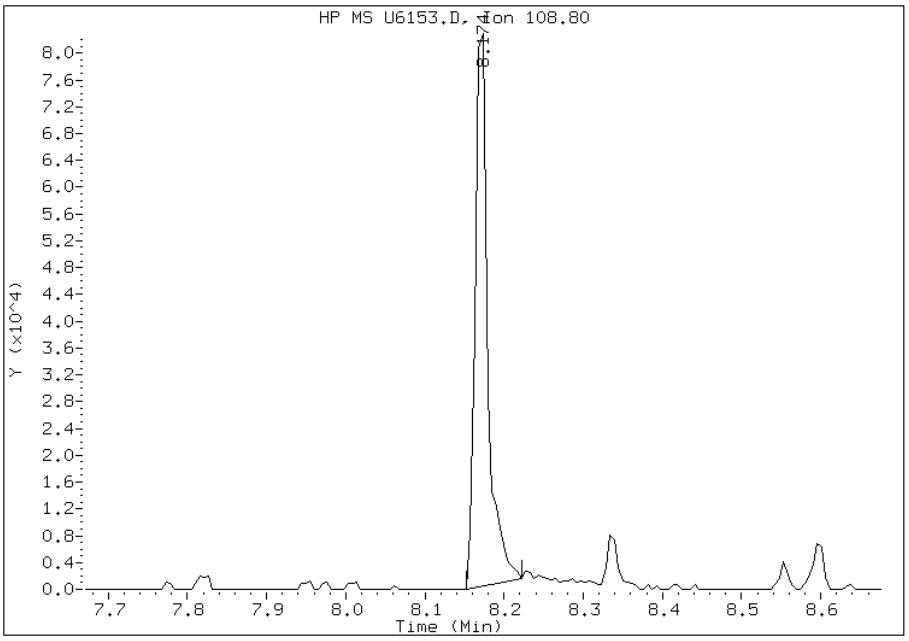
Manual Integration Results

RT: 8.17

Response: 90302

Amount: 29

Conc: 29



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

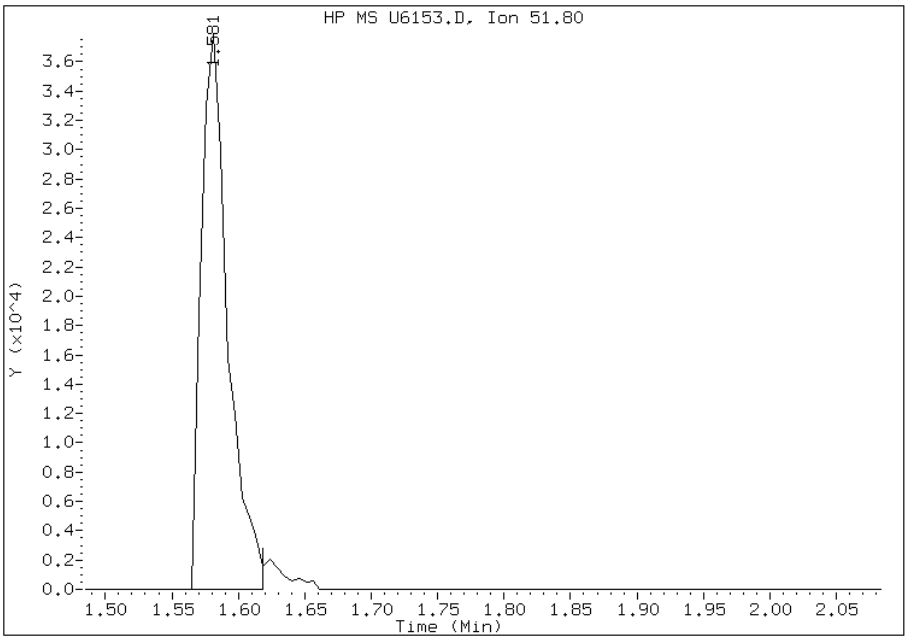
Processing Integration Results

RT: 1.58

Response: 52388

Amount: 20

Conc: 20



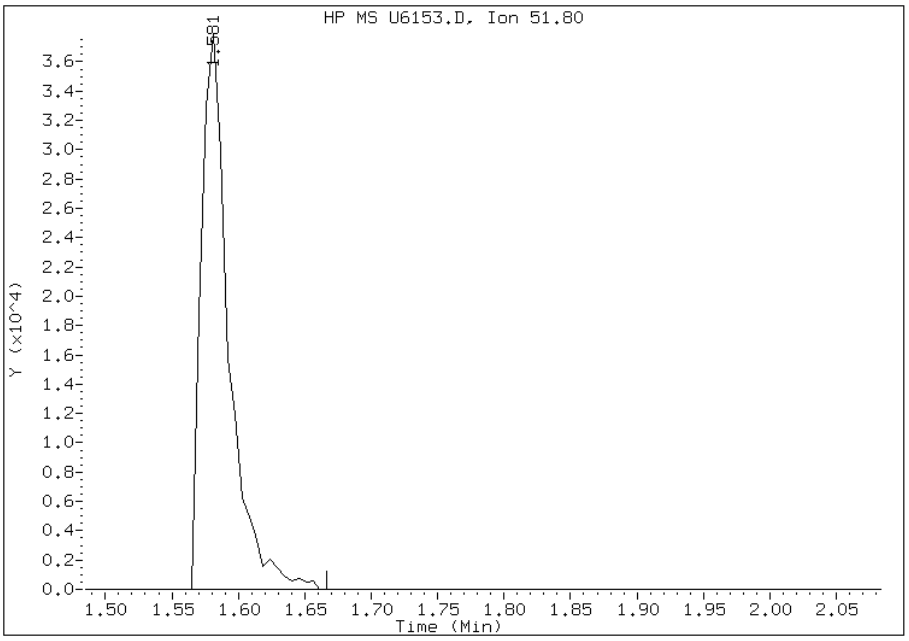
Manual Integration Results

RT: 1.58

Response: 54595

Amount: 25

Conc: 25



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6153.D
Inj. Date and Time: 03-AUG-2011 12:37
Instrument ID: msu.i
Client ID: IC-635516
Compound: 33 4-Chloro-3-methylphenol
CAS #: 59-50-7
Report Date: 08/04/2011

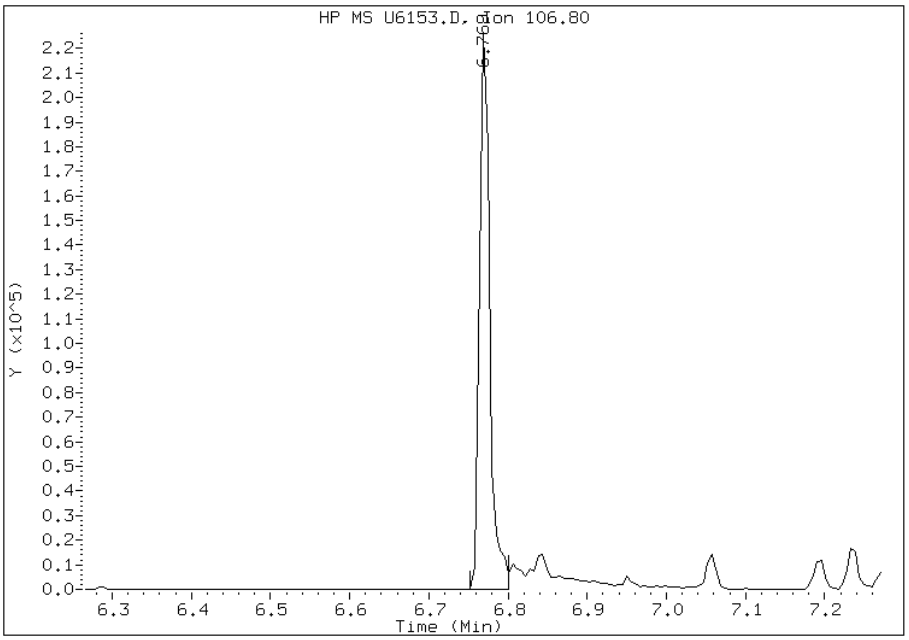
Processing Integration Results

RT: 6.77

Response: 198898

Amount: 19

Conc: 19



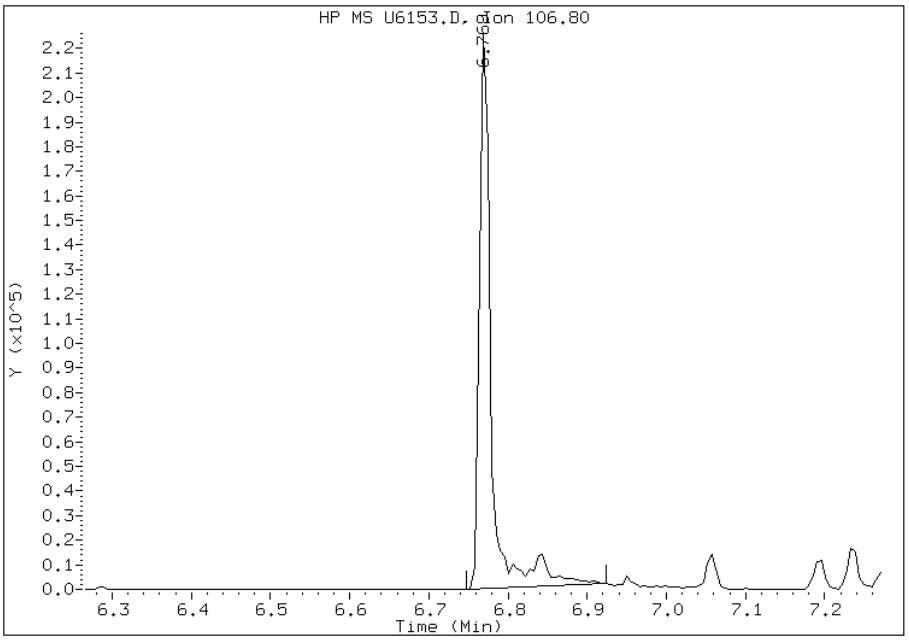
Manual Integration Results

RT: 6.77

Response: 229335

Amount: 22

Conc: 22



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6154.D
Lab Smp Id: IC-635517 Client Smp ID: IC-635517
Inj Date : 03-AUG-2011 13:06
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635517
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 13:06 Cal File: U6154.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.770	4.770	(1.000)	190137	20.0000	
$ 2	2-Fluorophenol	112	3.354	3.354	(0.703)	603198	60.0000	54
$ 3	Phenol-d5	99	4.482	4.482	(0.940)	940219	60.0000	59
4	Pyridine	52	1.581	1.581	(0.331)	137952	60.0000	58(M)
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.329)	109964	60.0000	56
6	Cyclohexanone	42	3.557	3.557	(0.746)	270018	60.0000	59
128	Benzaldehyde	77	4.289	4.289	(0.899)	150988	60.0000	28
7	Phenol	94	4.498	4.498	(0.943)	944206	60.0000	60
8	Aniline	93	4.439	4.439	(0.931)	1173484	60.0000	65
9	bis(2-Chloroethyl)ether	63	4.530	4.530	(0.950)	511845	60.0000	56
10	2-Chlorophenol	128	4.567	4.567	(0.957)	751659	60.0000	61
11	1,3-Dichlorobenzene	146	4.711	4.711	(0.988)	865934	60.0000	63
12	1,4-Dichlorobenzene	146	4.791	4.791	(1.004)	882342	60.0000	59
13	Benzyl alcohol	108	4.968	4.968	(1.041)	346418	60.0000	62
14	1,2-Dichlorobenzene	146	4.952	4.952	(1.038)	784405	60.0000	56
15	2,2'-oxybis(1-Chloropropane)	45	5.107	5.107	(1.071)	656044	60.0000	56
16	2-Methylphenol	108	5.123	5.123	(1.074)	673631	60.0000	59
92	Acetophenone	105	5.235	5.235	(1.097)	1057709	60.0000	60
17	Hexachloroethane	117	5.304	5.304	(1.112)	405835	60.0000	56
18	N-Nitroso-di-n-propylamine	70	5.267	5.267	(1.104)	546487	60.0000	58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.288	5.288	(1.109)	704697	60.0000	59
*	20 Naphthalene-d8	136	6.127	6.127	(1.000)	771614	20.0000	
$	21 Nitrobenzene-d5	82	5.384	5.384	(0.879)	894933	60.0000	63
	22 Nitrobenzene	77	5.406	5.406	(0.882)	894222	60.0000	61
	23 Isophorone	82	5.673	5.673	(0.926)	1386916	60.0000	60
	24 2-Nitrophenol	139	5.737	5.737	(0.936)	395768	60.0000	61
	25 2,4-Dimethylphenol	122	5.838	5.838	(0.953)	555266	60.0000	63
	26 Benzoic Acid	122	6.052	6.052	(0.988)	262464	60.0000	61(M)
	27 Bis(2-Chloroethoxy)methane	93	5.919	5.919	(0.966)	945638	60.0000	62
	28 2,4-Dichlorophenol	162	6.015	6.015	(0.982)	634170	60.0000	63
	29 1,2,4-Trichlorobenzene	180	6.079	6.079	(0.992)	711856	60.0000	63
	30 Naphthalene	128	6.154	6.154	(1.004)	2177330	60.0000	64
	31 4-Chloroaniline	127	6.234	6.234	(1.017)	827332	60.0000	65
	32 Hexachlorobutadiene	225	6.303	6.303	(1.029)	460869	60.0000	65
	129 Caprolactam	113	6.677	6.677	(1.090)	146374	60.0000	66(M)
	33 4-Chloro-3-methylphenol	107	6.795	6.795	(1.109)	618102	60.0000	62
	34 2-Methylnaphthalene	142	6.891	6.891	(1.125)	1438982	60.0000	64
*	35 Acenaphthene-d10	164	7.986	7.986	(1.000)	474975	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.853	6.853	(1.437)	593203	60.0000	62
	37 Hexachlorocyclopentadiene	237	7.067	7.067	(0.885)	426447	60.0000	61
	38 2,4,6-Trichlorophenol	196	7.211	7.211	(0.903)	391639	60.0000	56
	39 2,4,5-Trichlorophenol	196	7.254	7.254	(0.908)	489816	60.0000	60
$	40 2-Fluorobiphenyl	172	7.292	7.292	(0.913)	1545216	60.0000	63
	130 1,1'-Biphenyl	154	7.393	7.393	(0.926)	1689115	60.0000	62
	41 2-Chloronaphthalene	162	7.404	7.404	(0.927)	1476256	60.0000	64
	42 2-Nitroaniline	65	7.532	7.532	(0.943)	366938	60.0000	58
	43 Acenaphthylene	152	7.836	7.836	(0.981)	2169671	60.0000	63
	44 Dimethylphthalate	163	7.740	7.740	(0.969)	1396747	60.0000	64
	45 2,6-Dinitrotoluene	165	7.799	7.799	(0.977)	339660	60.0000	60
	46 Acenaphthene	153	8.023	8.023	(1.005)	1342997	60.0000	61
	47 3-Nitroaniline	138	7.970	7.970	(0.998)	262906	60.0000	51
	48 2,4-Dinitrophenol	184	8.082	8.082	(1.012)	154916	60.0000	59
	49 Dibenzofuran	168	8.205	8.205	(1.027)	1975976	60.0000	65
	50 2,4-Dinitrotoluene	165	8.221	8.221	(1.029)	404843	60.0000	61
	51 4-Nitrophenol	109	8.194	8.194	(1.026)	196163	60.0000	63
	52 Fluorene	166	8.568	8.568	(1.073)	1506072	60.0000	58
	53 4-Chlorophenyl-phenylether	204	8.579	8.579	(1.074)	798206	60.0000	64
	54 Diethylphthalate	149	8.483	8.483	(1.062)	1299873	60.0000	63
	55 4-Nitroaniline	138	8.627	8.627	(1.080)	285375	60.0000	63
$	56 2,4,6-Tribromophenol	330	8.830	8.830	(1.106)	199374	60.0000	71
*	57 Phenanthrene-d10	188	9.551	9.551	(1.000)	671950	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.659	8.659	(0.907)	236542	60.0000	61
	59 N-Nitrosodiphenylamine (1)	169	8.713	8.713	(0.912)	1023039	60.0000	62
	60 1,2-Diphenylhydrazine	77	8.745	8.745	(0.916)	1708412	60.0000	62
	61 4-Bromophenyl-phenylether	248	9.092	9.092	(0.952)	455957	60.0000	64
	131 Atrazine	200	9.300	9.300	(0.974)	314603	60.0000	71
	62 Hexachlorobenzene	284	9.156	9.156	(0.959)	412446	60.0000	58
	63 Pentachlorophenol	266	9.375	9.375	(0.982)	178392	60.0000	62
	64 Phenanthrene	178	9.583	9.583	(1.003)	2010926	60.0000	63
	65 Carbazole	167	9.813	9.813	(1.027)	1602902	60.0000	62
	66 Anthracene	178	9.637	9.637	(1.009)	1793521	60.0000	59
	67 Di-n-butylphthalate	149	10.198	10.198	(1.068)	1593000	60.0000	64
	68 Fluoranthene	202	10.833	10.833	(1.134)	1616174	60.0000	56
*	70 Chrysene-d12	240	12.415	12.415	(1.000)	358489	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.978	10.978	(0.884)	288759	60.0000	93(A)
72	Pyrene	202	11.069	11.069	(0.892)	1575068	60.0000	60
$ 73	Terphenyl-d14	244	11.245	11.245	(0.906)	953049	60.0000	61
74	Butylbenzylphthalate	149	11.763	11.763	(0.948)	502778	60.0000	76
124	3,3'-Dimethylbenzidine	212	11.742	11.742	(0.946)	239637	60.0000	93(A)
75	3,3'-Dichlorobenzidine	252	12.377	12.377	(0.997)	368259	60.0000	71
76	Benzo(a)anthracene	228	12.404	12.404	(0.999)	1055385	60.0000	64
77	Chrysene	228	12.452	12.452	(1.003)	1100190	60.0000	68
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.452	(1.003)	694636	60.0000	77
* 79	Perylene-d12	264	14.573	14.573	(1.000)	328650	20.0000	
80	Di-n-octylphthalate	149	13.355	13.355	(0.916)	1030313	60.0000	64
81	Benzo(b)fluoranthene	252	13.943	13.943	(0.957)	1003871	60.0000	67
82	Benzo(k)fluoranthene	252	13.991	13.991	(0.960)	1085590	60.0000	67
83	Benzo(a)pyrene	252	14.482	14.482	(0.994)	919968	60.0000	65
84	Indeno(1,2,3-cd)pyrene	276	16.592	16.592	(1.139)	966486	60.0000	72
85	Dibenzo(a,h)anthracene	278	16.640	16.640	(1.142)	924572	60.0000	70
86	Benzo(g,h,i)perylene	276	17.127	17.127	(1.175)	872068	60.0000	64(M)
167	Simazine	201	9.274	9.274	(0.971)	191376	60.0000	18
103	1,2,4,5-Tetrachlorobenzene	216	7.073	7.073	(0.886)	365737	60.0000	62
109	2,3,4,6-Tetrachlorophenol	232	8.355	8.355	(1.046)	333879	60.0000	72
119	Pentachloronitrobenzene	237	9.386	9.386	(0.983)	164594	60.0000	66

QC Flag Legend

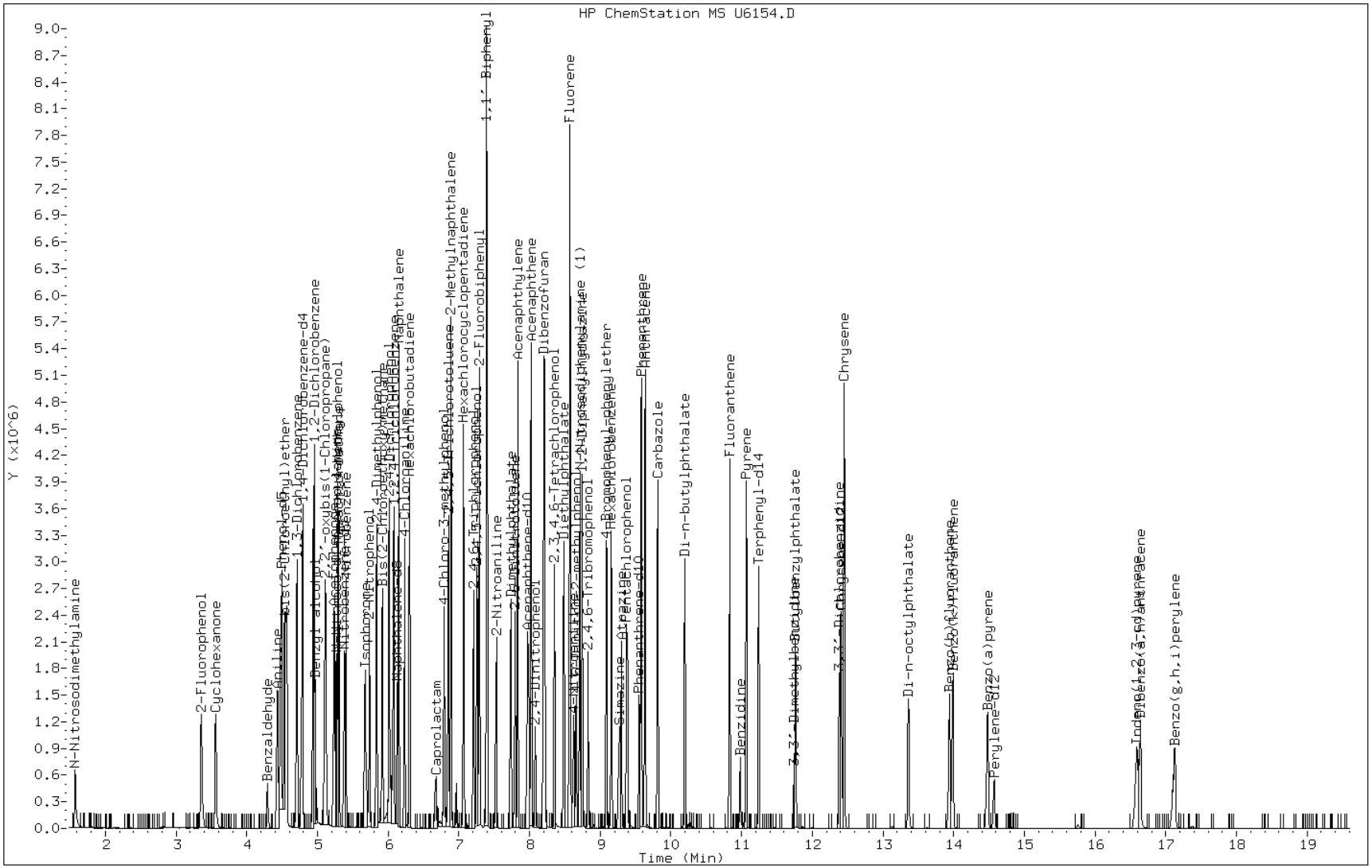
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: U6154.D

Date: 03-AUG-2011 13:06

Client ID: IC-635517 Instrument: msu.i

Sample Info: IC-635517 Operator: S.Jonas



Manual Integration Report

Data File: U6154.D
Inj. Date and Time: 03-AUG-2011 13:06
Instrument ID: msu.i
Client ID: IC-635517
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/04/2011

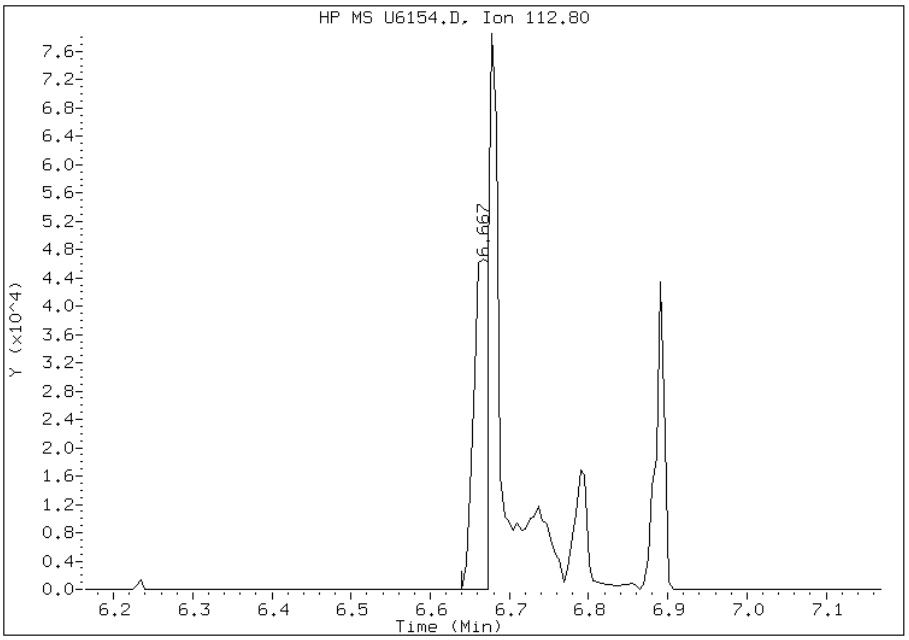
Processing Integration Results

RT: 6.67

Response: 59907

Amount: 31

Conc: 31



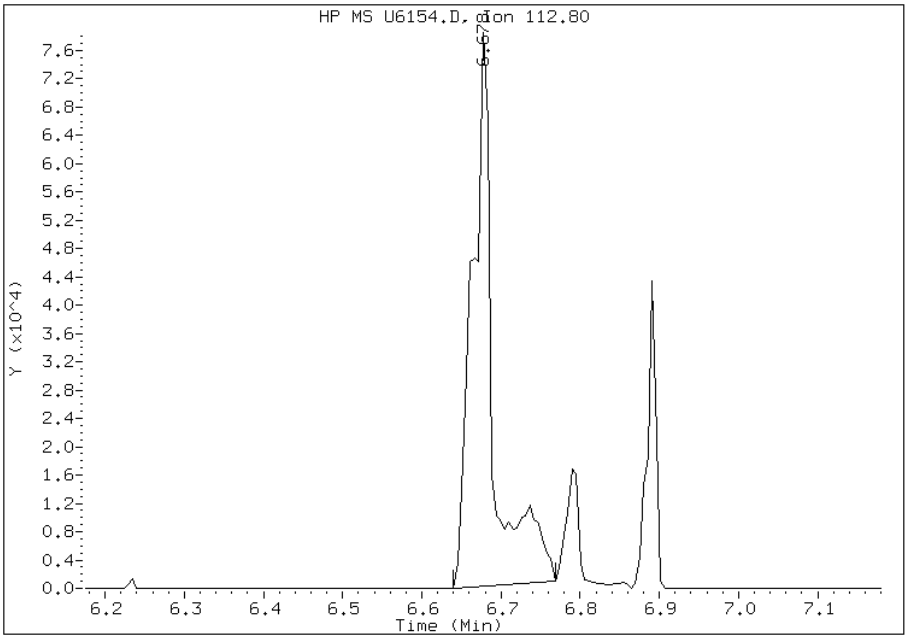
Manual Integration Results

RT: 6.68

Response: 146374

Amount: 66

Conc: 66



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6154.D
Inj. Date and Time: 03-AUG-2011 13:06
Instrument ID: msu.i
Client ID: IC-635517
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/04/2011

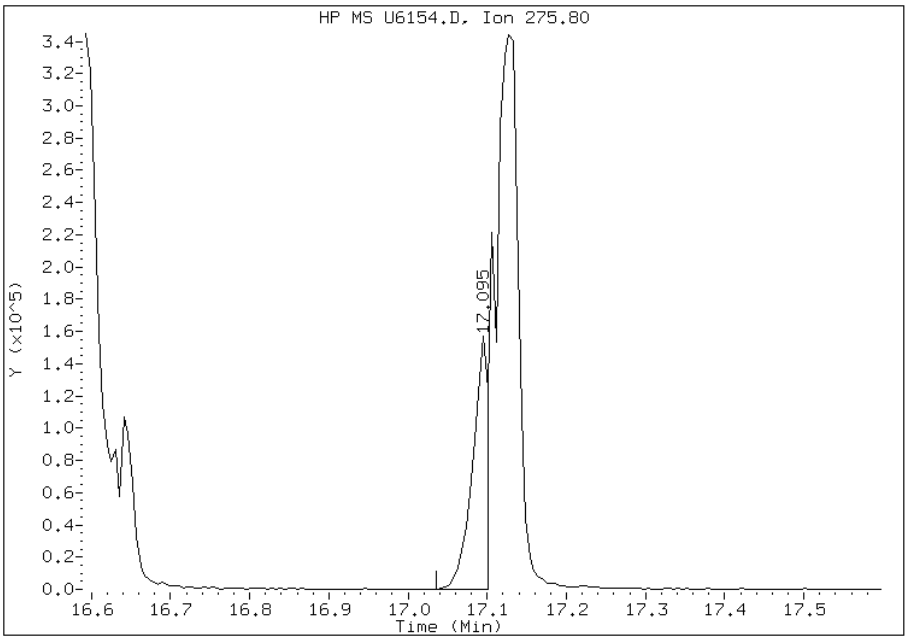
Processing Integration Results

RT: 17.10

Response: 206322

Amount: 17

Conc: 17



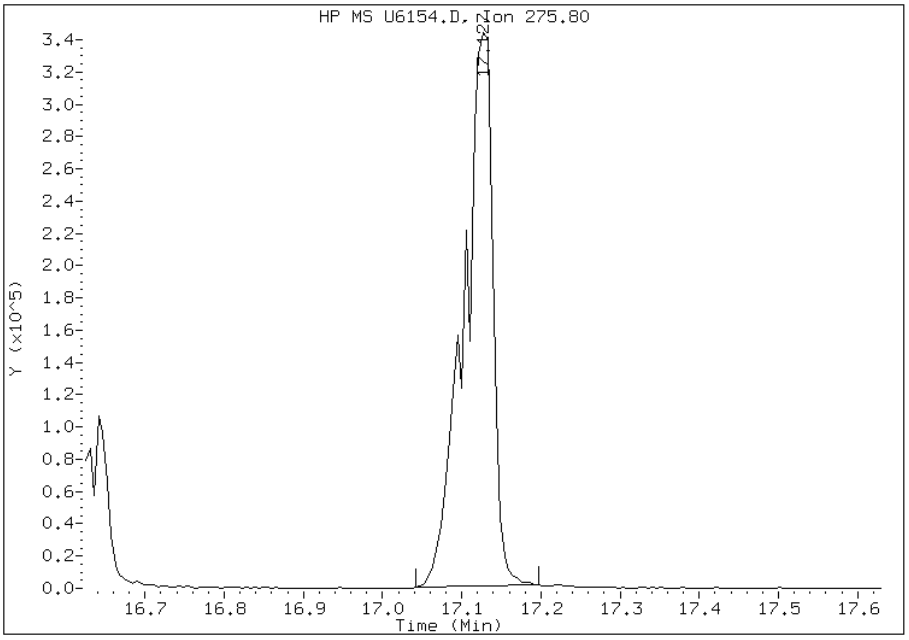
Manual Integration Results

RT: 17.13

Response: 872068

Amount: 64

Conc: 64



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6154.D
Inj. Date and Time: 03-AUG-2011 13:06
Instrument ID: msu.i
Client ID: IC-635517
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

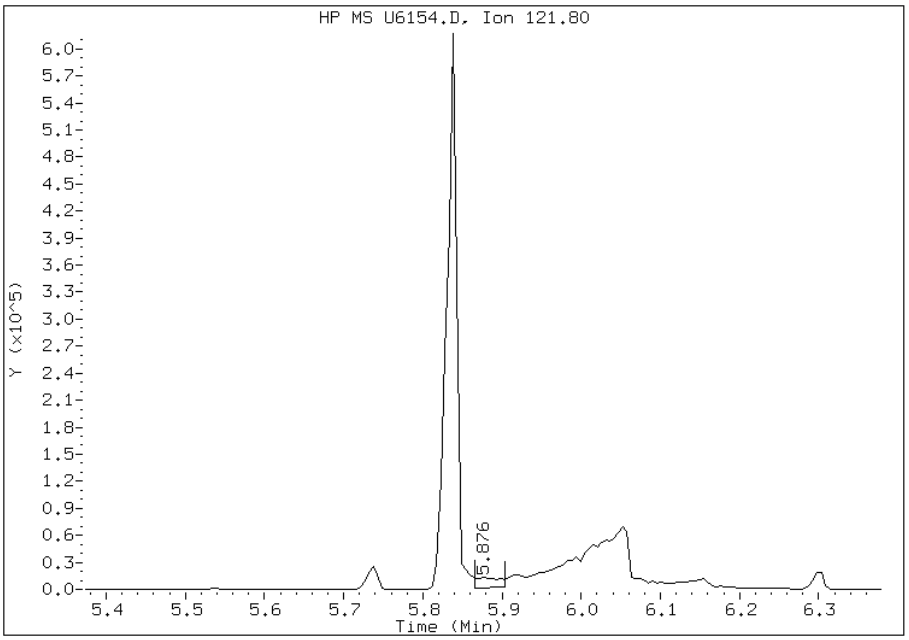
Processing Integration Results

RT: 5.88

Response: 26025

Amount: 37

Conc: 37



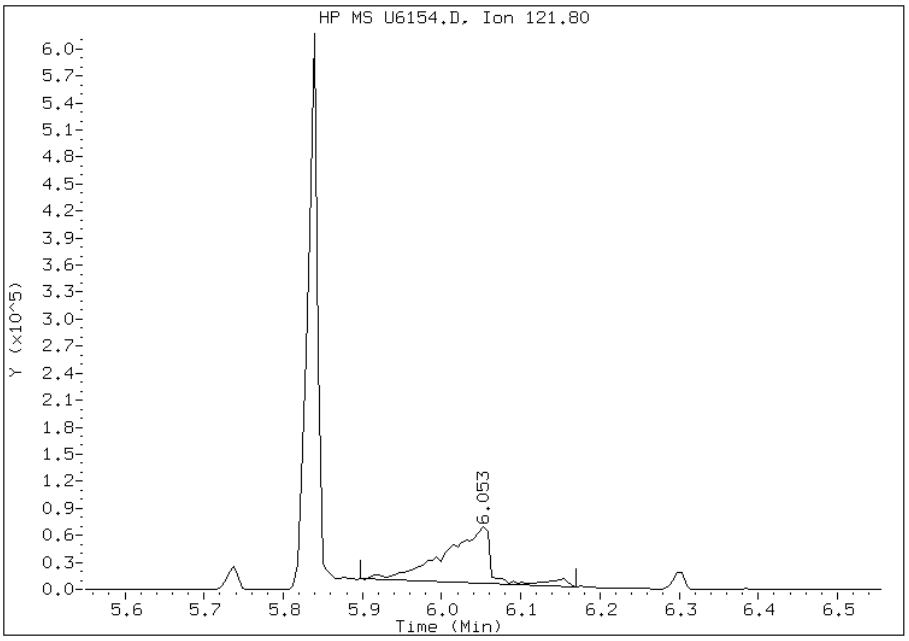
Manual Integration Results

RT: 6.05

Response: 262464

Amount: 61

Conc: 61



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6154.D
Inj. Date and Time: 03-AUG-2011 13:06
Instrument ID: msu.i
Client ID: IC-635517
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

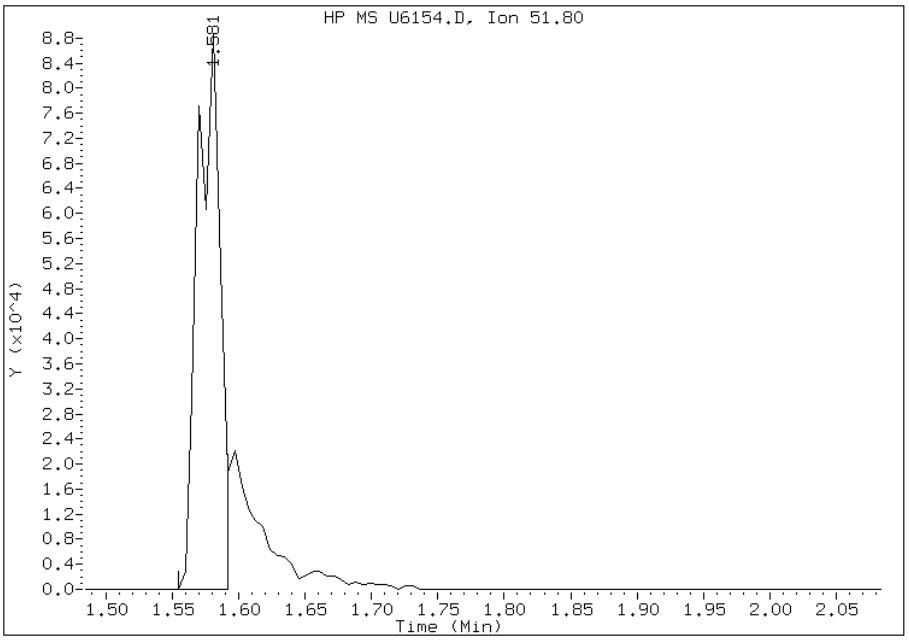
Processing Integration Results

RT: 1.58

Response: 105837

Amount: 43

Conc: 43



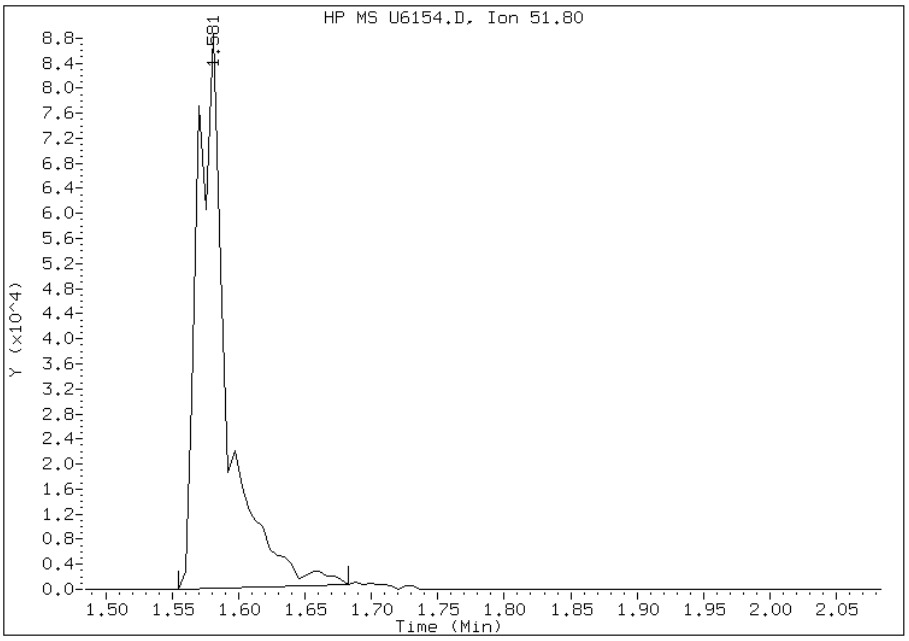
Manual Integration Results

RT: 1.58

Response: 137952

Amount: 58

Conc: 58



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6155.D
Lab Smp Id: IC-635518 Client Smp ID: IC-635518
Inj Date : 03-AUG-2011 13:36
Operator : S.Jonas Inst ID: msu.i
Smp Info : IC-635518
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 06:47 conbna Quant Type: ISTD
Cal Date : 03-AUG-2011 13:36 Cal File: U6155.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.770	4.770	(1.000)	178771	20.0000	
$ 2	2-Fluorophenol	112	3.376	3.376	(0.708)	887568	80.0000	84(A)
$ 3	Phenol-d5	99	4.492	4.492	(0.942)	1218631	80.0000	81(A)
4	Pyridine	52	1.581	1.581	(0.331)	214521	80.0000	86(AM)
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.329)	168535	80.0000	85(AM)
6	Cyclohexanone	42	3.568	3.568	(0.748)	362032	80.0000	84(A)
128	Benzaldehyde	77	4.289	4.289	(0.899)	140203	80.0000	28
7	Phenol	94	4.508	4.508	(0.945)	1080291	80.0000	73
8	Aniline	93	4.439	4.439	(0.931)	1101461	80.0000	65
9	bis(2-Chloroethyl)ether	63	4.535	4.535	(0.951)	667774	80.0000	78
10	2-Chlorophenol	128	4.572	4.572	(0.959)	981118	80.0000	85(A)
11	1,3-Dichlorobenzene	146	4.711	4.711	(0.988)	1109896	80.0000	86(A)
12	1,4-Dichlorobenzene	146	4.791	4.791	(1.004)	1188025	80.0000	85(A)
13	Benzyl alcohol	108	4.973	4.973	(1.043)	477304	80.0000	90(A)
14	1,2-Dichlorobenzene	146	4.952	4.952	(1.038)	1160369	80.0000	88(A)
15	2,2'-oxybis(1-Chloropropane)	45	5.101	5.101	(1.069)	833573	80.0000	76
16	2-Methylphenol	108	5.123	5.123	(1.074)	874690	80.0000	81(A)
92	Acetophenone	105	5.240	5.240	(1.099)	1273862	80.0000	77
17	Hexachloroethane	117	5.299	5.299	(1.111)	597300	80.0000	87(A)
18	N-Nitroso-di-n-propylamine	70	5.272	5.272	(1.105)	671559	80.0000	75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.294	5.294	(1.110)	951406	80.0000	85(A)
*	20 Naphthalene-d8	136	6.127	6.127	(1.000)	796429	20.0000	
$	21 Nitrobenzene-d5	82	5.390	5.390	(0.880)	1151922	80.0000	78
	22 Nitrobenzene	77	5.406	5.406	(0.882)	1193272	80.0000	79
	23 Isophorone	82	5.678	5.678	(0.927)	1896998	80.0000	79
	24 2-Nitrophenol	139	5.737	5.737	(0.936)	559861	80.0000	84(A)
	25 2,4-Dimethylphenol	122	5.844	5.844	(0.954)	794307	80.0000	87(A)
	26 Benzoic Acid	122	6.079	6.079	(0.992)	399470	80.0000	80(M)
	27 Bis(2-Chloroethoxy)methane	93	5.919	5.919	(0.966)	1267705	80.0000	80(A)
	28 2,4-Dichlorophenol	162	6.015	6.015	(0.982)	830505	80.0000	81(A)
	29 1,2,4-Trichlorobenzene	180	6.074	6.074	(0.991)	896629	80.0000	77
	30 Naphthalene	128	6.154	6.154	(1.004)	2906261	80.0000	83(A)
	31 4-Chloroaniline	127	6.234	6.234	(1.017)	1038445	80.0000	79
	32 Hexachlorobutadiene	225	6.298	6.298	(1.028)	562730	80.0000	77
	129 Caprolactam	113	6.693	6.693	(1.092)	206765	80.0000	87(AM)
	33 4-Chloro-3-methylphenol	107	6.795	6.795	(1.109)	790612	80.0000	77
	34 2-Methylnaphthalene	142	6.891	6.891	(1.125)	1835930	80.0000	79
*	35 Acenaphthene-d10	164	7.981	7.981	(1.000)	490557	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.854	6.854	(1.437)	785148	80.0000	87(A)
	37 Hexachlorocyclopentadiene	237	7.062	7.062	(0.885)	591345	80.0000	81(A)
	38 2,4,6-Trichlorophenol	196	7.206	7.206	(0.903)	605134	80.0000	84(A)
	39 2,4,5-Trichlorophenol	196	7.260	7.260	(0.910)	602165	80.0000	70
$	40 2-Fluorobiphenyl	172	7.292	7.292	(0.914)	2019177	80.0000	79
	130 1,1'-Biphenyl	154	7.393	7.393	(0.926)	2275033	80.0000	81(A)
	41 2-Chloronaphthalene	162	7.398	7.398	(0.927)	1887524	80.0000	79
	42 2-Nitroaniline	65	7.532	7.532	(0.944)	536075	80.0000	82(A)
	43 Acenaphthylene	152	7.831	7.831	(0.981)	2877463	80.0000	81(A)
	44 Dimethylphthalate	163	7.740	7.740	(0.970)	1780953	80.0000	79
	45 2,6-Dinitrotoluene	165	7.799	7.799	(0.977)	431530	80.0000	74
	46 Acenaphthene	153	8.024	8.024	(1.005)	1746950	80.0000	77
	47 3-Nitroaniline	138	7.975	7.975	(0.999)	420695	80.0000	80
	48 2,4-Dinitrophenol	184	8.082	8.082	(1.013)	230497	80.0000	82(A)
	49 Dibenzofuran	168	8.205	8.205	(1.028)	2653266	80.0000	85(A)
	50 2,4-Dinitrotoluene	165	8.221	8.221	(1.030)	579272	80.0000	84(A)
	51 4-Nitrophenol	109	8.194	8.194	(1.027)	255802	80.0000	79
	52 Fluorene	166	8.568	8.568	(1.074)	2161383	80.0000	81(A)
	53 4-Chlorophenyl-phenylether	204	8.574	8.574	(1.074)	1060077	80.0000	83(A)
	54 Diethylphthalate	149	8.483	8.483	(1.063)	1637546	80.0000	77
	55 4-Nitroaniline	138	8.633	8.633	(1.082)	367921	80.0000	78
$	56 2,4,6-Tribromophenol	330	8.825	8.825	(1.106)	258863	80.0000	90(A)
*	57 Phenanthrene-d10	188	9.546	9.546	(1.000)	660743	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.665	8.665	(0.908)	311809	80.0000	80
	59 N-Nitrosodiphenylamine (1)	169	8.713	8.713	(0.913)	1369575	80.0000	85(A)
	60 1,2-Diphenylhydrazine	77	8.745	8.745	(0.916)	2293522	80.0000	85(A)
	61 4-Bromophenyl-phenylether	248	9.087	9.087	(0.952)	603432	80.0000	86(A)
	131 Atrazine	200	9.300	9.300	(0.974)	412657	80.0000	95(A)
	62 Hexachlorobenzene	284	9.156	9.156	(0.959)	625111	80.0000	89(A)
	63 Pentachlorophenol	266	9.370	9.370	(0.982)	233360	80.0000	80(A)
	64 Phenanthrene	178	9.578	9.578	(1.003)	2481722	80.0000	79
	65 Carbazole	167	9.813	9.813	(1.028)	1969406	80.0000	78
	66 Anthracene	178	9.632	9.632	(1.009)	2137944	80.0000	72
	67 Di-n-butylphthalate	149	10.192	10.192	(1.068)	2004357	80.0000	82(A)
	68 Fluoranthene	202	10.828	10.828	(1.134)	2044444	80.0000	72
*	70 Chrysene-d12	240	12.409	12.409	(1.000)	413934	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.978	10.978	(0.885)	350062	80.0000	98(A)
72	Pyrene	202	11.063	11.063	(0.892)	1957833	80.0000	64
$ 73	Terphenyl-d14	244	11.240	11.240	(0.906)	1105870	80.0000	61
74	Butylbenzylphthalate	149	11.758	11.758	(0.947)	624536	80.0000	82(A)
124	3,3'-Dimethylbenzidine	212	11.742	11.742	(0.946)	306955	80.0000	100(A)
75	3,3'-Dichlorobenzidine	252	12.377	12.377	(0.997)	474648	80.0000	80
76	Benzo(a)anthracene	228	12.399	12.399	(0.999)	1465210	80.0000	77
77	Chrysene	228	12.447	12.447	(1.003)	1467968	80.0000	79
78	Bis(2-Ethylhexyl)phthalate	149	12.447	12.447	(1.003)	947307	80.0000	91(A)
* 79	Perylene-d12	264	14.568	14.568	(1.000)	343560	20.0000	
80	Di-n-octylphthalate	149	13.355	13.355	(0.917)	1458014	80.0000	87(A)
81	Benzo(b)fluoranthene	252	13.937	13.937	(0.957)	1318113	80.0000	79(M)
82	Benzo(k)fluoranthene	252	13.985	13.985	(0.960)	1319465	80.0000	76(M)
83	Benzo(a)pyrene	252	14.477	14.477	(0.994)	1220806	80.0000	83(A)
84	Indeno(1,2,3-cd)pyrene	276	16.587	16.587	(1.139)	1243838	80.0000	84(AM)
85	Dibenzo(a,h)anthracene	278	16.641	16.641	(1.142)	1097219	80.0000	75(M)
86	Benzo(g,h,i)perylene	276	17.127	17.127	(1.176)	1168874	80.0000	78(M)
167	Simazine	201	9.279	9.279	(0.972)	250162	16.0000	24
103	1,2,4,5-Tetrachlorobenzene	216	7.067	7.067	(0.886)	496914	80.0000	81(A)
109	2,3,4,6-Tetrachlorophenol	232	8.355	8.355	(1.047)	457766	80.0000	96(A)
119	Pentachloronitrobenzene	237	9.386	9.386	(0.983)	214147	80.0000	88(A)

QC Flag Legend

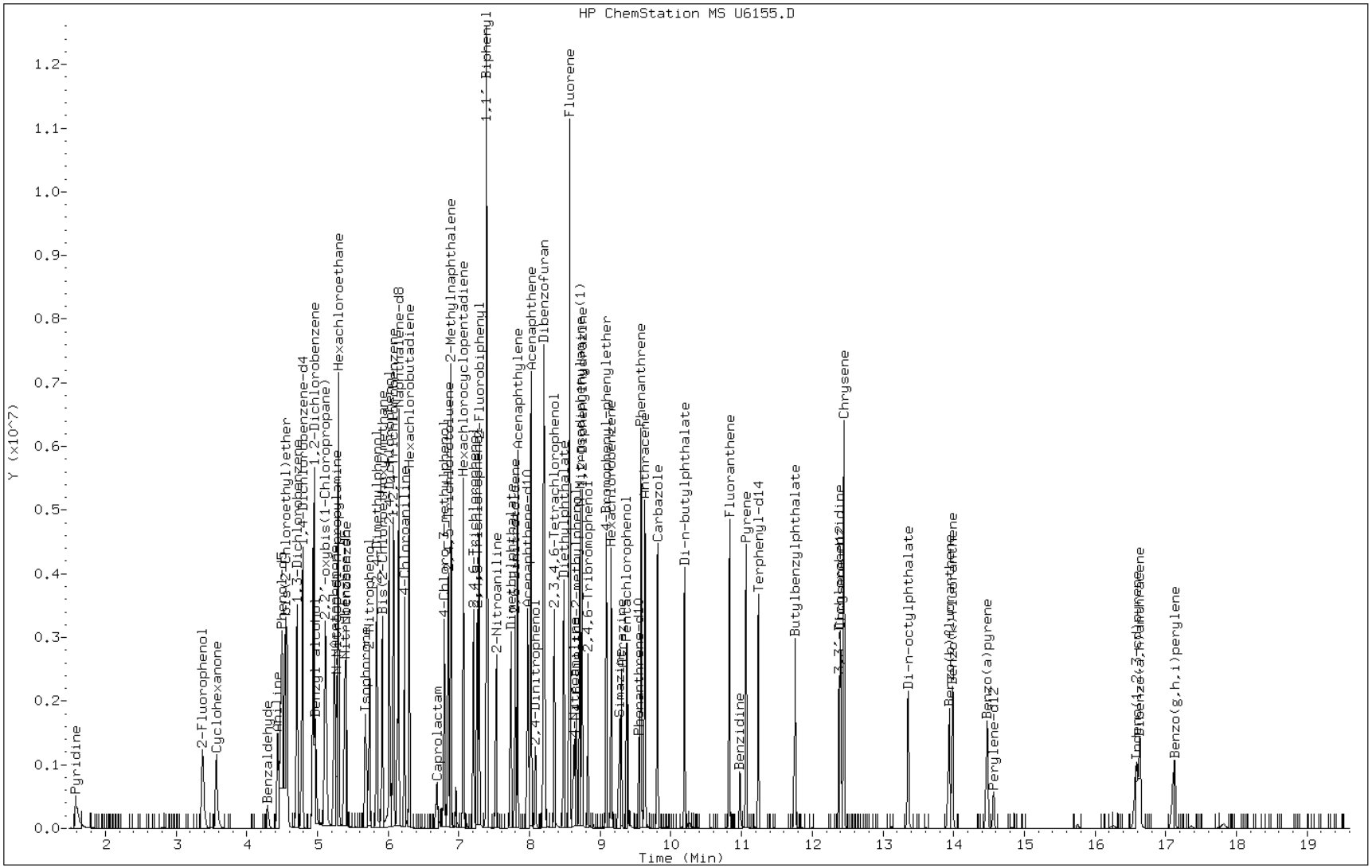
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: U6155.D

Date: 03-AUG-2011 13:36

Client ID: IC-635518 Instrument: msu.i

Sample Info: IC-635518 Operator: S.Jonas



Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 82 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 08/04/2011

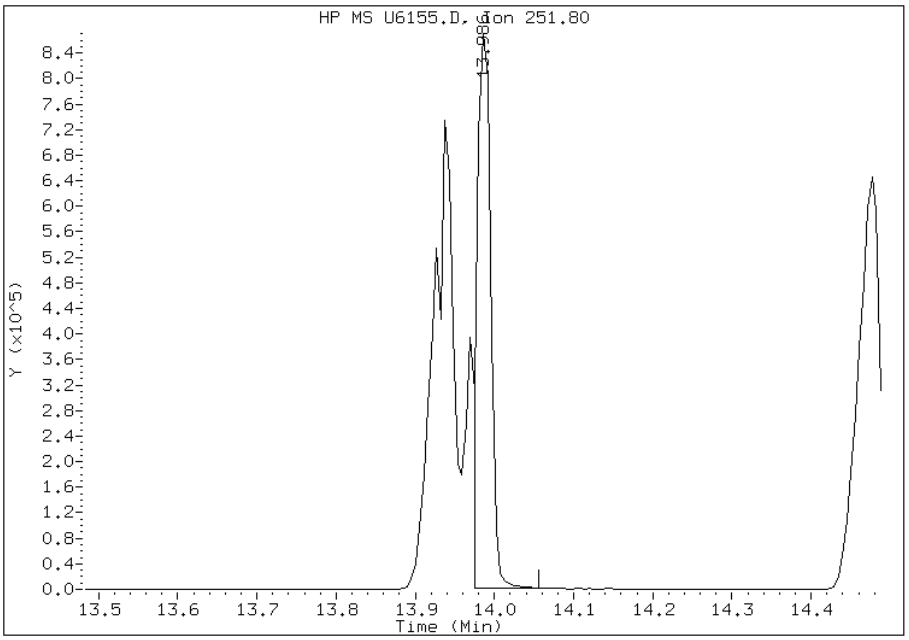
Processing Integration Results

RT: 13.99

Response: 1035450

Amount: 61

Conc: 61



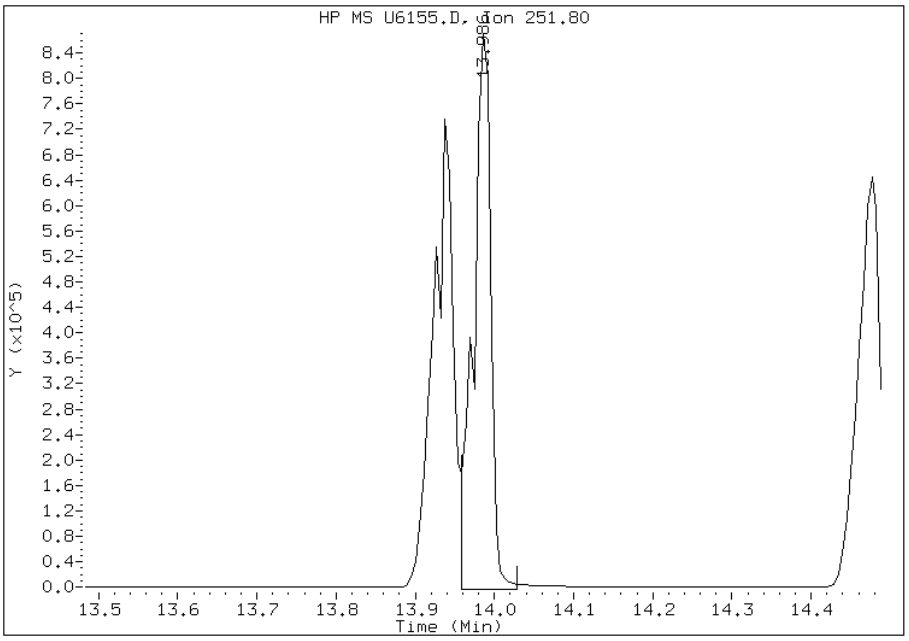
Manual Integration Results

RT: 13.99

Response: 1319465

Amount: 76

Conc: 76



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 08/04/2011

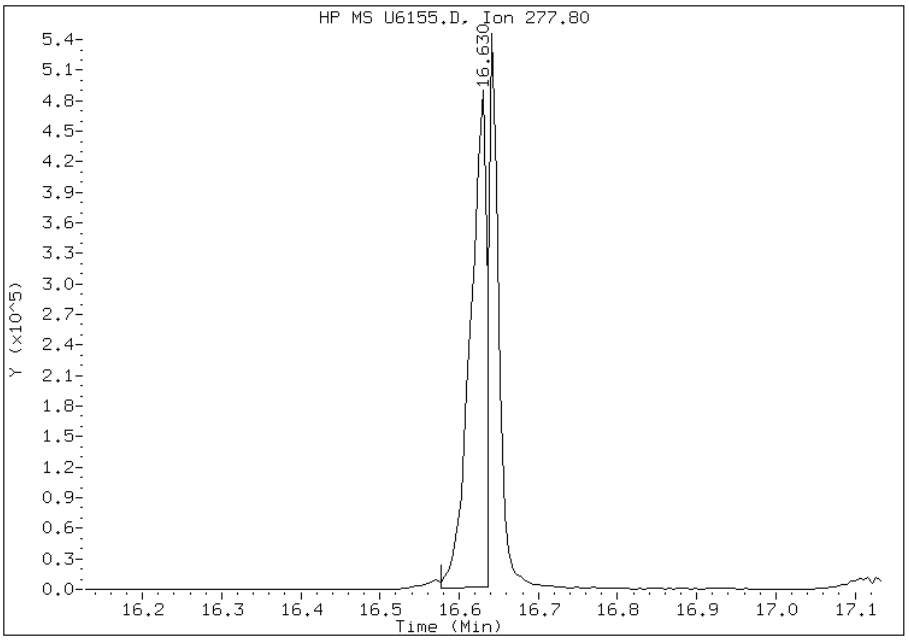
Processing Integration Results

RT: 16.63

Response: 704296

Amount: 51

Conc: 51



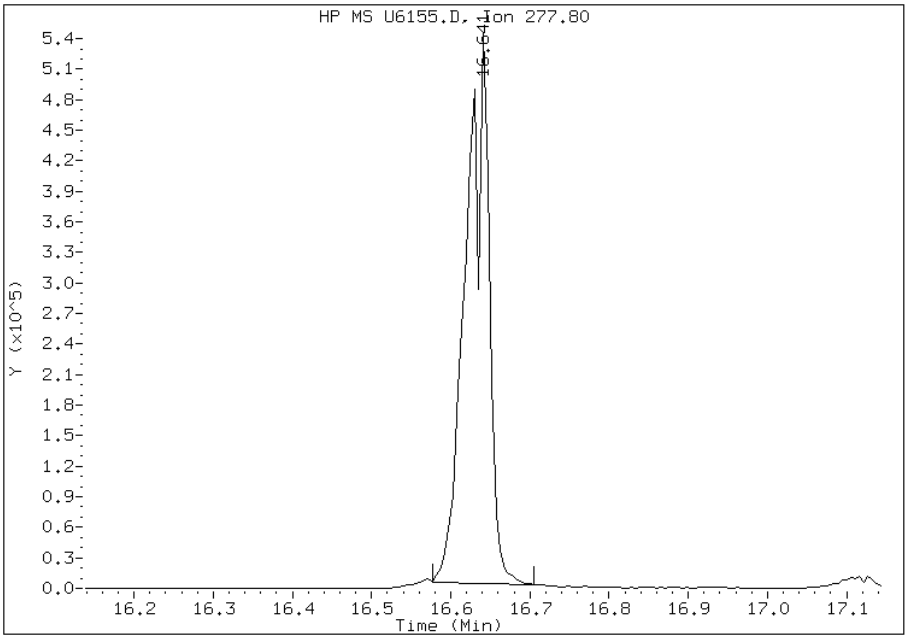
Manual Integration Results

RT: 16.64

Response: 1097219

Amount: 75

Conc: 75



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 81 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 08/04/2011

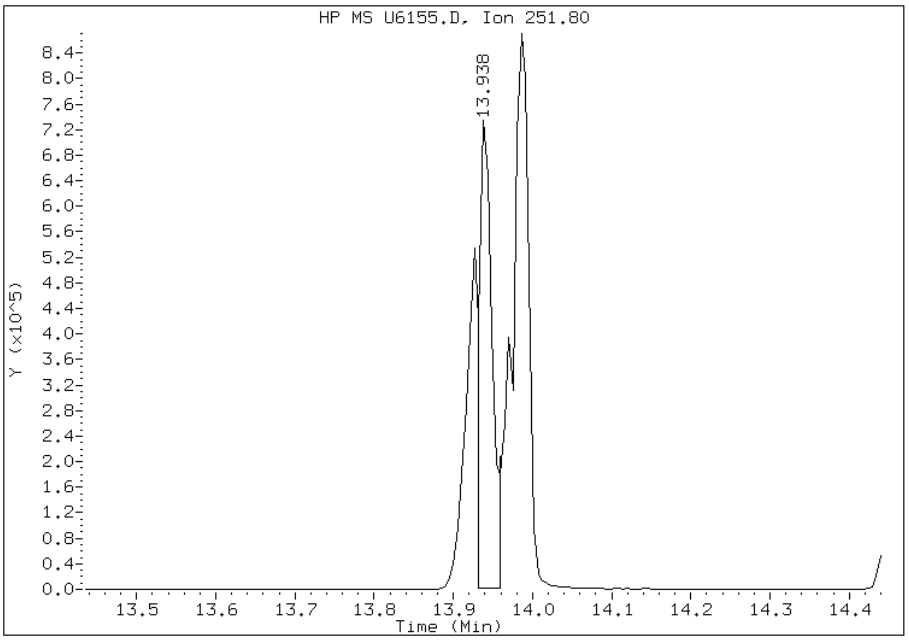
Processing Integration Results

RT: 13.94

Response: 825154

Amount: 53

Conc: 53



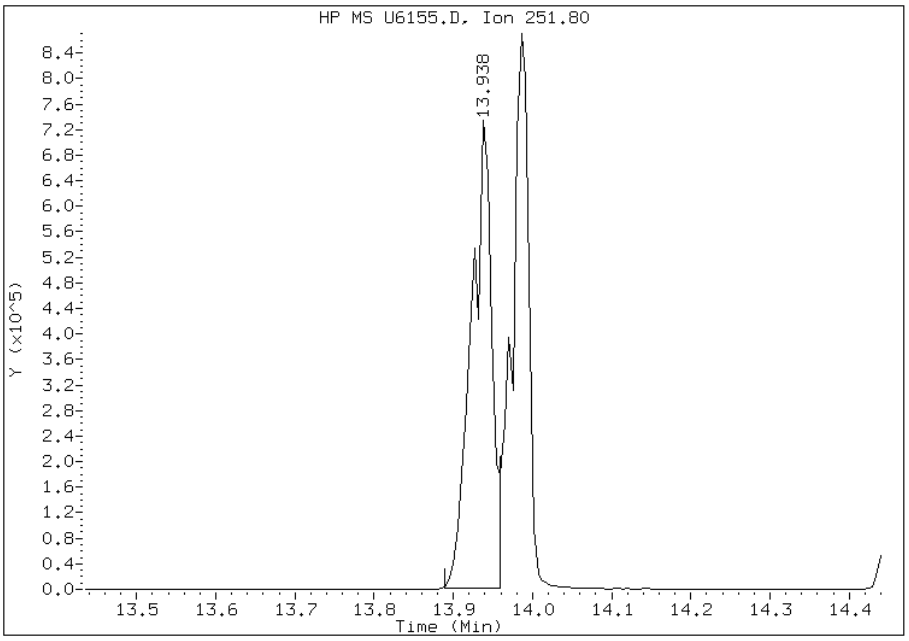
Manual Integration Results

RT: 13.94

Response: 1318113

Amount: 79

Conc: 79



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/04/2011

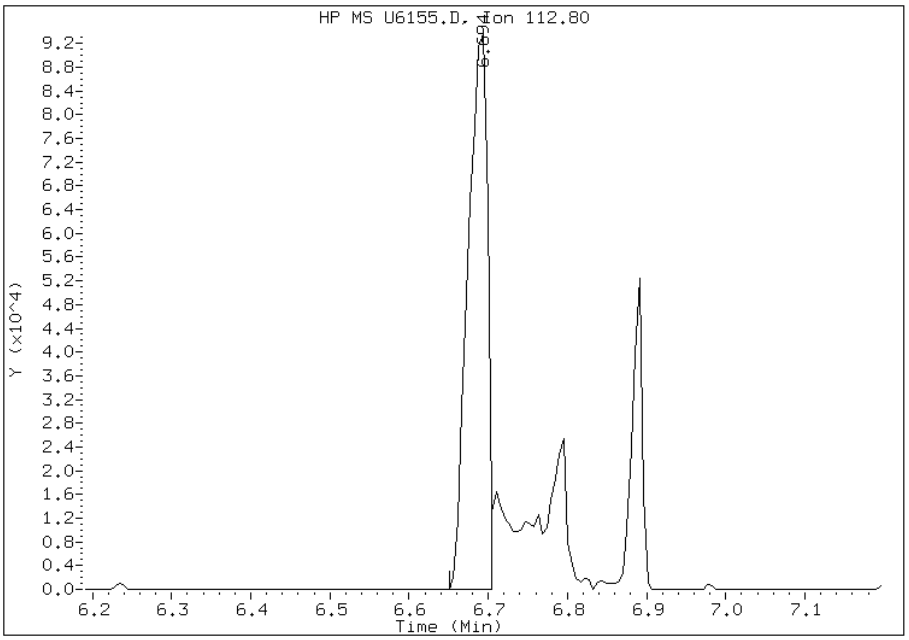
Processing Integration Results

RT: 6.69

Response: 160086

Amount: 70

Conc: 70



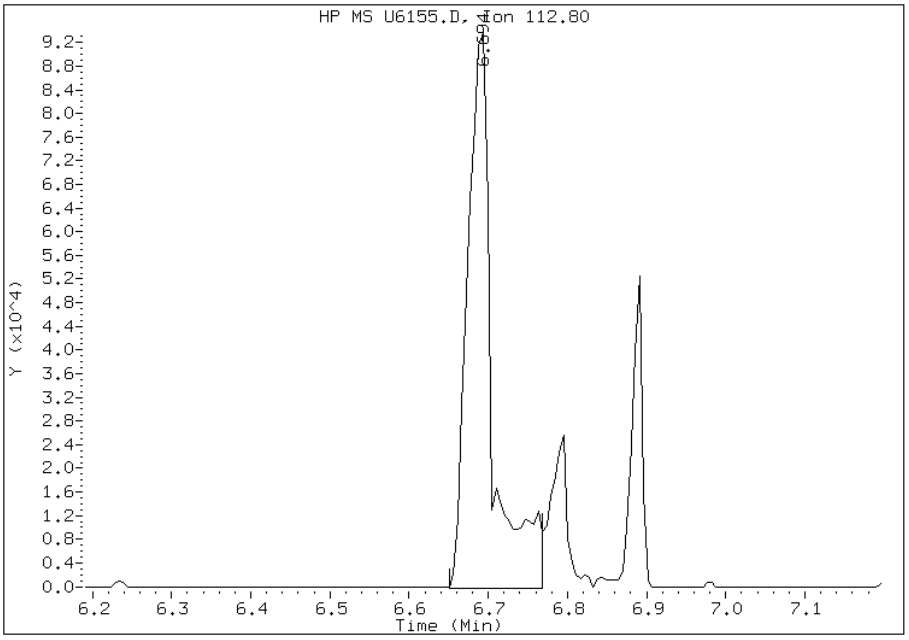
Manual Integration Results

RT: 6.69

Response: 206765

Amount: 87

Conc: 87



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/04/2011

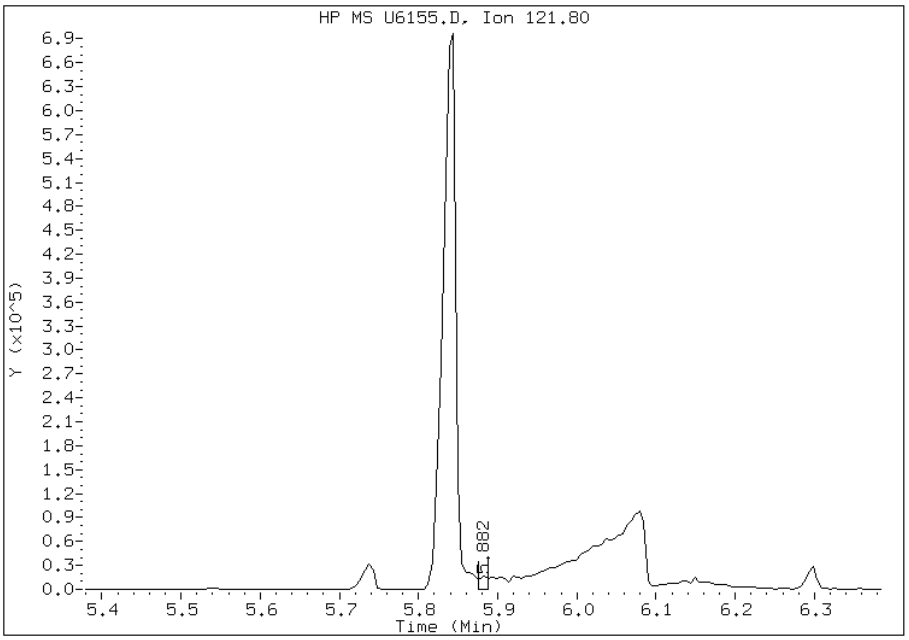
Processing Integration Results

RT: 5.88

Response: 13349

Amount: 43

Conc: 43



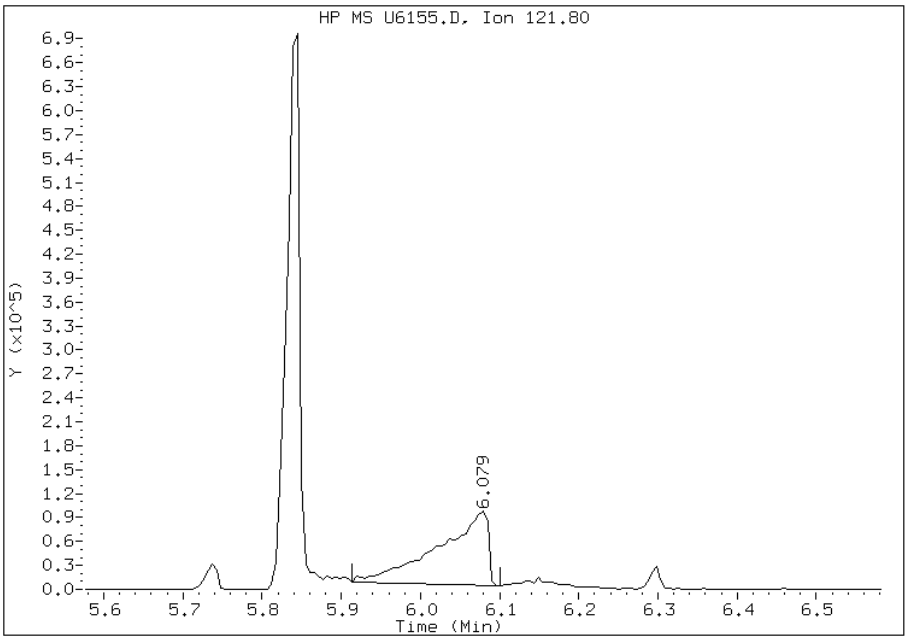
Manual Integration Results

RT: 6.08

Response: 399470

Amount: 80

Conc: 80



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 5 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/04/2011

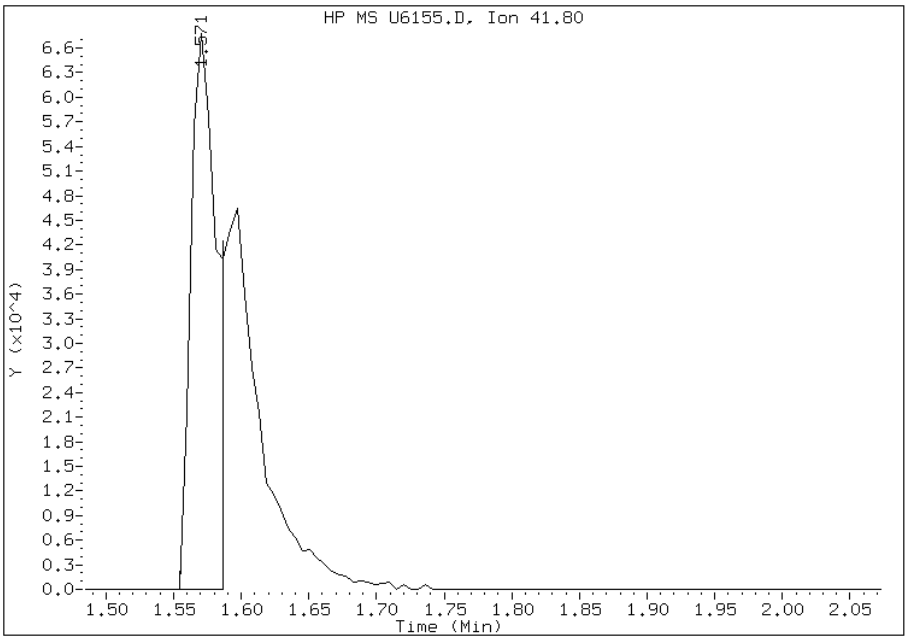
Processing Integration Results

RT: 1.57

Response: 91484

Amount: 50

Conc: 50



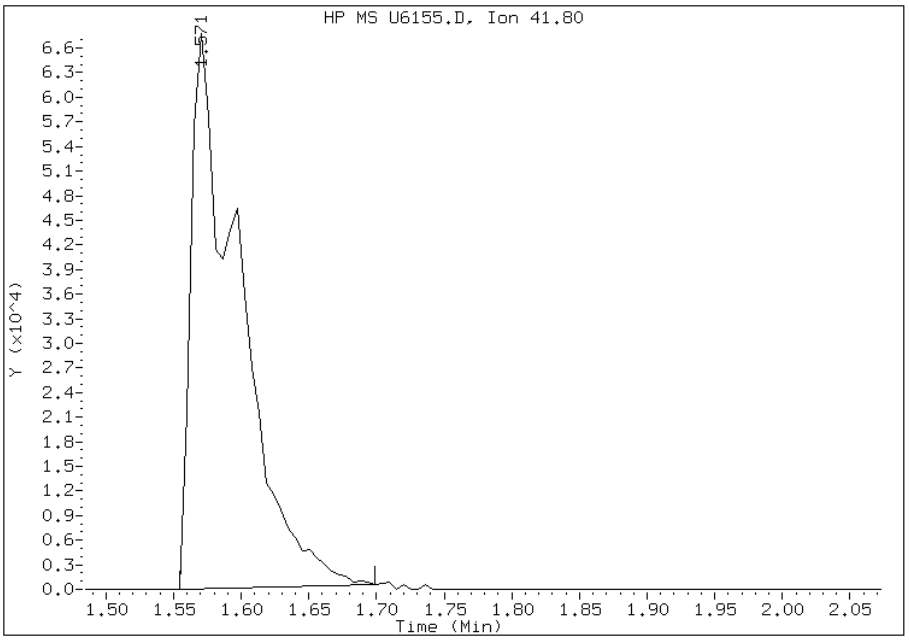
Manual Integration Results

RT: 1.57

Response: 168535

Amount: 85

Conc: 85



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/04/2011

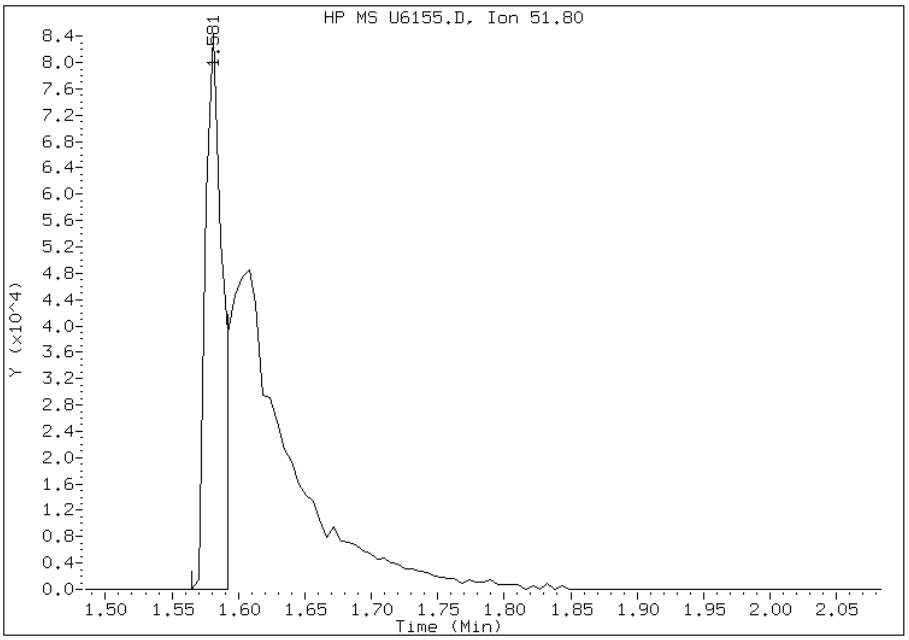
Processing Integration Results

RT: 1.58

Response: 76086

Amount: 34

Conc: 34



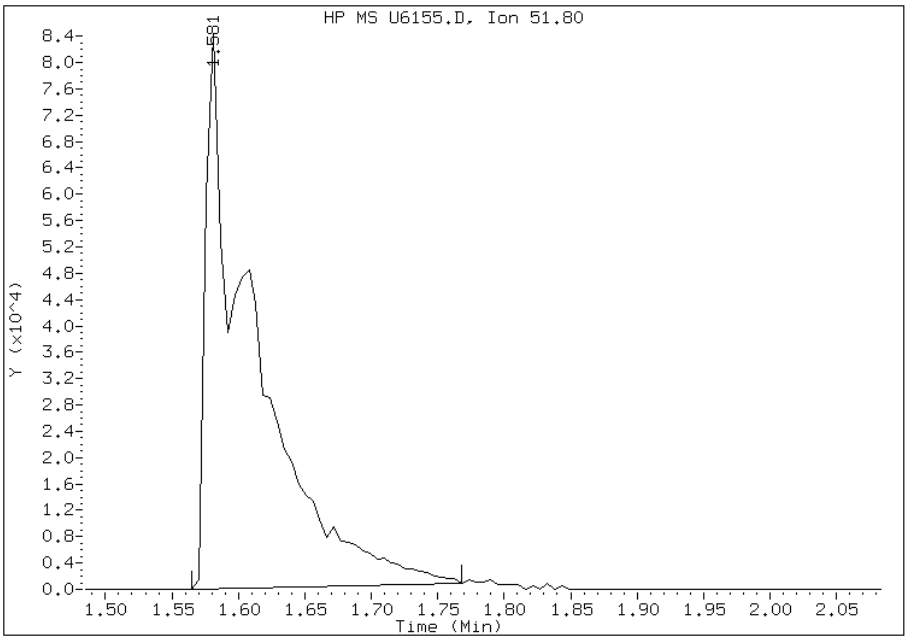
Manual Integration Results

RT: 1.58

Response: 214521

Amount: 86

Conc: 86



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/04/2011

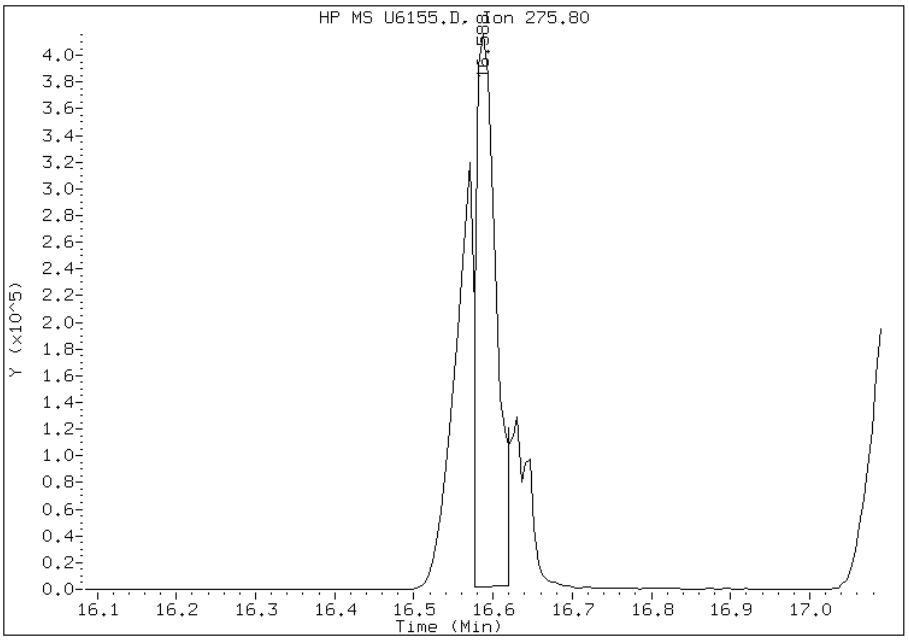
Processing Integration Results

RT: 16.59

Response: 732567

Amount: 53

Conc: 53



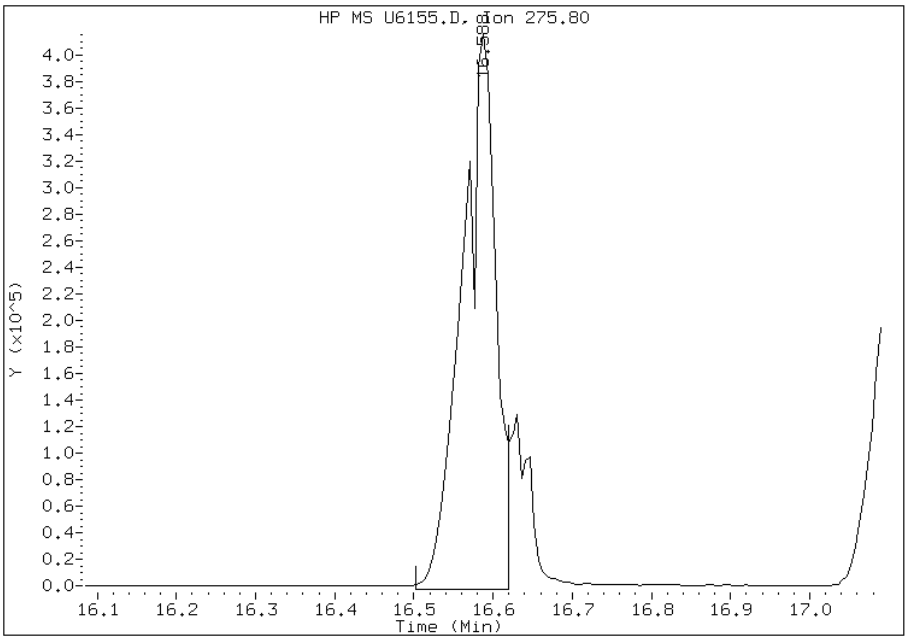
Manual Integration Results

RT: 16.59

Response: 1243838

Amount: 84

Conc: 84



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6155.D
Inj. Date and Time: 03-AUG-2011 13:36
Instrument ID: msu.i
Client ID: IC-635518
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/04/2011

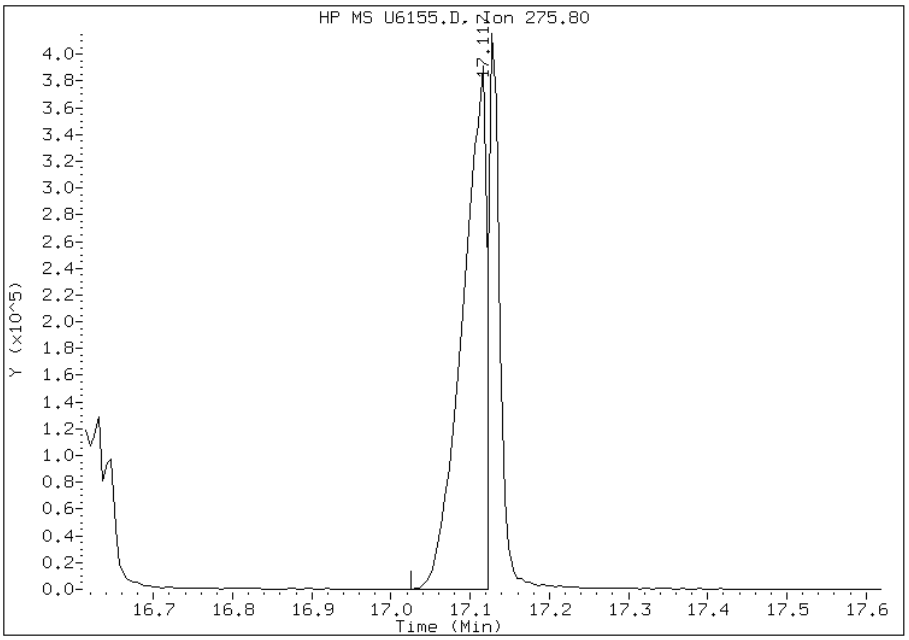
Processing Integration Results

RT: 17.12

Response: 824273

Amount: 58

Conc: 58



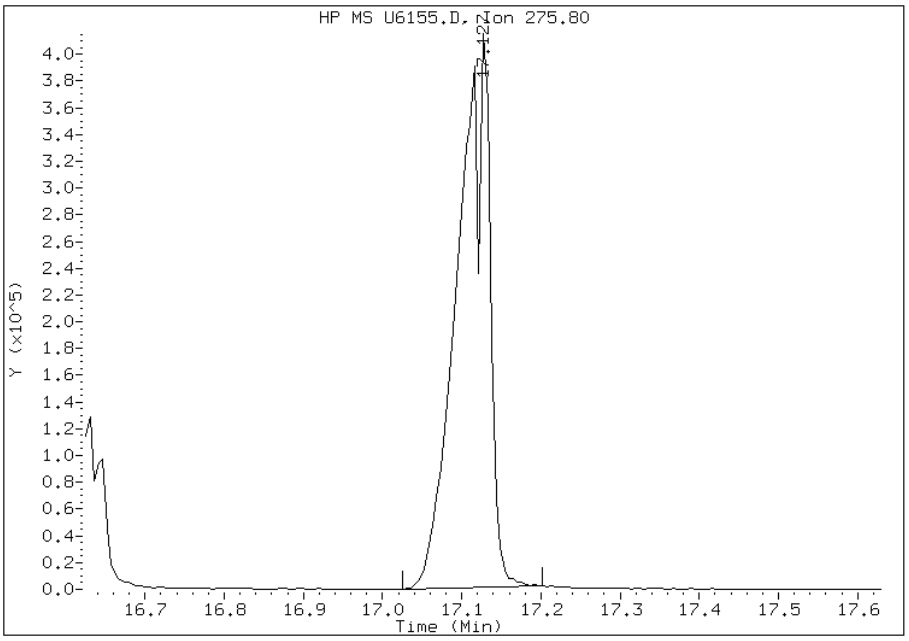
Manual Integration Results

RT: 17.13

Response: 1168874

Amount: 78

Conc: 78



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53551/1 Calibration Date: 08/02/2011 10:37

Instrument ID: MSU Calib Start Date: 07/28/2011 08:48

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 11:47

Lab File ID: U6105.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.2862	0.4235	0.0500	59.2	40.0	48.0*	30.0
Pyridine	Ave	0.3599	0.5658	0.0500	62.9	40.0	57.2*	30.0
Cyclohexanone	Ave	0.5588	1.011	0.0500	72.4	40.0	81.0*	30.0
Benzaldehyde	Ave	0.6838	0.1911	0.0500	11.2	40.0	-72.0*	30.0
Aniline	Ave	1.998	2.598	0.0500	52.0	40.0	30.1*	30.0
Phenol	Ave	2.004	2.032	0.0500	40.5	40.0	1.4	20.0
Bis(2-chloroethyl)ether	Ave	1.366	1.633	0.0500	47.8	40.0	19.5	30.0
2-Chlorophenol	Ave	1.458	1.442	0.0500	39.6	40.0	-1.0	30.0
1,3-Dichlorobenzene	Ave	1.682	1.401	0.0500	33.3	40.0	-16.7	30.0
1,4-Dichlorobenzene	Ave	1.720	1.643	0.0500	38.2	40.0	-4.5	20.0
1,2-Dichlorobenzene	Ave	1.543	1.471	0.0500	38.1	40.0	-4.7	30.0
Benzyl alcohol	Ave	0.7211	0.8341	0.0500	46.3	40.0	15.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.838	2.281	0.0500	49.6	40.0	24.1	30.0
2-Methylphenol	Ave	1.377	1.478	0.0500	42.9	40.0	7.4	30.0
Acetophenone	Ave	2.019	2.183	0.0500	43.3	40.0	8.2	30.0
N-Nitrosodi-n-propylamine	Ave	1.087	1.406	0.0500	51.8	40.0	29.4	30.0
Methylphenol, 3 & 4	Ave	1.331	1.356	0.0500	40.8	40.0	1.9	30.0
Hexachloroethane	Ave	0.7638	0.8695	0.0500	45.5	40.0	13.8	30.0
Nitrobenzene	Ave	0.4703	0.5387	0.0500	45.8	40.0	14.5	30.0
Isophorone	Ave	0.7055	0.8158	0.0500	46.2	40.0	15.6	30.0
2-Nitrophenol	Ave	0.1916	0.1670	0.0500	34.9	40.0	-12.8	20.0
2,4-Dimethylphenol	Ave	0.2744	0.2970	0.0500	43.3	40.0	8.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.4479	0.5118	0.0500	45.7	40.0	14.3	30.0
2,4-Dichlorophenol	Ave	0.2860	0.2767	0.0500	38.7	40.0	-3.3	20.0
Benzoic acid	Qua	0.1390	0.1148	0.0500	34.5	40.0	-13.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3699	0.3106	0.0500	33.6	40.0	-16.0	30.0
Naphthalene	Ave	1.050	1.005	0.0500	38.3	40.0	-4.3	30.0
4-Chloroaniline	Ave	0.3536	0.3872	0.0500	43.8	40.0	9.5	30.0
Hexachlorobutadiene	Ave	0.2265	0.1842	0.0500	32.5	40.0	-18.7	20.0
Caprolactam	Ave	0.0585	0.0600	0.0500	41.1	40.0	2.6	30.0
4-Chloro-3-methylphenol	Ave	0.2852	0.2725	0.0500	38.2	40.0	-4.4	20.0
2,4,5-Trichlorotoluene	Ave	1.212	1.064	0.0500	35.1	40.0	-12.2	30.0
2-Methylnaphthalene	Ave	0.6361	0.5960	0.0500	37.5	40.0	-6.3	30.0
1,2,4,5-Tetrachlorobenzene	Lin	0.2985	0.2668	0.0500	33.3	40.0	-16.6	30.0
Hexachlorocyclopentadiene	Lin	0.3206	0.3291	0.0500	35.2	40.0	-11.9	30.0
2,4,6-Trichlorophenol	Ave	0.3717	0.3234	0.0500	34.8	40.0	-13.0	20.0
2,4,5-Trichlorophenol	Qua	0.3456	0.3009	0.0500	32.3	40.0	-19.2	30.0
1,1'-Biphenyl	Ave	1.485	1.120	0.0500	30.2	40.0	-24.6	30.0
2-Chloronaphthalene	Ave	1.217	1.102	0.0500	36.2	40.0	-9.4	30.0
2-Nitroaniline	Ave	0.3645	0.4688	0.0500	51.4	40.0	28.6	30.0
Dimethyl phthalate	Ave	1.051	1.012	0.0500	38.5	40.0	-3.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53551/1 Calibration Date: 08/02/2011 10:37

Instrument ID: MSU Calib Start Date: 07/28/2011 08:48

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 11:47

Lab File ID: U6105.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin	0.2532	0.2458	0.0500	33.8	40.0	-15.4	30.0
Acenaphthylene	Ave	1.721	1.652	0.0500	38.4	40.0	-4.0	30.0
3-Nitroaniline	Ave	0.2465	0.2220	0.0500	36.0	40.0	-9.9	30.0
Acenaphthene	Ave	1.173	1.046	0.0500	35.7	40.0	-10.8	20.0
2,4-Dinitrophenol	Lin	0.1016	0.1008	0.0500	32.3	40.0	-19.4	30.0
4-Nitrophenol	Lin	0.1157	0.1657	0.0500	48.9	40.0	22.2	30.0
Dibenzofuran	Ave	1.532	1.403	0.0500	36.6	40.0	-8.5	30.0
2,4-Dinitrotoluene	Ave	0.3145	0.2762	0.0500	35.1	40.0	-12.2	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2486	0.2202	0.0500	35.4	40.0	-11.4	30.0
Diethyl phthalate	Ave	0.9530	0.8997	0.0500	37.8	40.0	-5.6	30.0
Fluorene	Ave	1.241	1.181	0.0500	38.1	40.0	-4.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.6655	0.5379	0.0500	32.3	40.0	-19.2	30.0
4-Nitroaniline	Ave	0.2027	0.2166	0.0500	42.7	40.0	6.8	30.0
4,6-Dinitro-2-methylphenol	Lin	0.1176	0.1198	0.0500	38.4	40.0	-4.1	30.0
N-Nitrosodiphenylamine	Ave	0.5463	0.6060	0.0500	44.4	40.0	10.9	20.0
1,2-Diphenylhydrazine	Ave	1.097	1.294	0.0500	47.2	40.0	18.0	30.0
4-Bromophenyl phenyl ether	Ave	0.2258	0.2454	0.0500	43.5	40.0	8.7	30.0
Hexachlorobenzene	Ave	0.2182	0.2131	0.0500	39.1	40.0	-2.3	30.0
Simazine	Ave	0.3041	0.0896	0.0500	11.8	40.0	-70.5*	30.0
Atrazine	Ave	0.1300	0.1461	0.0500	45.0	40.0	12.4	30.0
Pentachlorophenol	Lin	0.0903	0.0854	0.0500	32.5	40.0	-18.9	20.0
Pentachloronitrobenzene	Ave	0.0827	0.0926	0.0500	44.8	40.0	12.0	30.0
Phenanthrene	Ave	1.107	1.127	0.0500	40.7	40.0	1.8	30.0
Anthracene	Ave	1.121	1.160	0.0500	41.4	40.0	3.5	30.0
Carbazole	Ave	0.8229	0.9511	0.0500	46.2	40.0	15.6	30.0
Di-n-butyl phthalate	Ave	0.6934	0.8194	0.0500	47.3	40.0	18.2	30.0
Fluoranthene	Ave	0.9095	0.9857	0.0500	43.3	40.0	8.4	20.0
Benzidine	Ave	0.1591	0.2597	0.0500	65.3	40.0	63.2*	30.0
Pyrene	Ave	1.772	1.329	0.0500	30.0	40.0	-25.0	30.0
3,3'-Dimethylbenzidine	Ave	0.1818	0.1744	0.0500	38.4	40.0	-4.1	30.0
Butyl benzyl phthalate	Ave	0.5095	0.4749	0.0500	37.3	40.0	-6.8	30.0
3,3'-Dichlorobenzidine	Ave	0.3426	0.3343	0.0500	39.0	40.0	-2.4	30.0
Benzo[a]anthracene	Ave	1.172	1.032	0.0500	35.2	40.0	-11.9	30.0
Chrysene	Ave	1.146	1.013	0.0500	35.3	40.0	-11.6	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7102	0.7039	0.0500	39.6	40.0	-0.9	30.0
Di-n-octyl phthalate	Ave	1.249	1.366	0.0500	43.8	40.0	9.4	20.0
Benzo[b]fluoranthene	Ave	1.063	1.175	0.0500	44.2	40.0	10.6	30.0
Benzo[k]fluoranthene	Ave	1.072	1.171	0.0500	43.7	40.0	9.2	30.0
Benzo[a]pyrene	Ave	0.9221	1.004	0.0500	43.5	40.0	8.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9339	1.020	0.0500	43.7	40.0	9.3	30.0
Dibenz(a,h)anthracene	Ave	0.9308	1.017	0.0500	43.7	40.0	9.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Lab Sample ID: CCVIS 220-53551/1 Calibration Date: 08/02/2011 10:37

Instrument ID: MSU Calib Start Date: 07/28/2011 08:48

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 11:47

Lab File ID: U6105.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.9567	0.9676	0.0500	40.5	40.0	1.1	30.0
2-Fluorophenol	Ave	1.288	1.406	0.0500	43.7	40.0	9.2	30.0
Phenol-d5	Ave	1.867	1.940	0.0500	41.6	40.0	3.9	30.0
Nitrobenzene-d5	Ave	0.4660	0.5238	0.0500	45.0	40.0	12.4	30.0
2-Fluorobiphenyl	Ave	1.227	1.170	0.0500	38.1	40.0	-4.7	30.0
2,4,6-Tribromophenol	Ave	0.1174	0.1340	0.0500	45.7	40.0	14.2	30.0
Terphenyl-d14	Ave	0.9418	0.8741	0.0500	37.1	40.0	-7.2	30.0

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\U6105.D
Lab Smp Id: CCVIS-648163 Client Smp ID: CCVIS-648163
Inj Date : 02-AUG-2011 10:37
Operator : S.Jonas Inst ID: msu.i
Smp Info : CCVIS-648163
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\MSU-8270C.m
Meth Date : 02-Aug-2011 10:58 conbna Quant Type: ISTD
Cal Date : 28-JUL-2011 08:48 Cal File: U6058.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.781	4.781	(1.000)	120054	20.0000	
$ 2	2-Fluorophenol	112	3.360	3.360	(0.703)	337649	40.0000	44
$ 3	Phenol-d5	99	4.476	4.476	(0.936)	465803	40.0000	42
4	Pyridine	52	1.581	1.581	(0.331)	135861	40.0000	63
5	N-Nitrosodimethylamine	42	1.570	1.570	(0.328)	101673	40.0000	59
6	Cyclohexanone	42	3.563	3.563	(0.745)	242825	40.0000	72
128	Benzaldehyde	77	4.300	4.300	(0.899)	45891	40.0000	11
7	Phenol	94	4.492	4.492	(0.940)	487877	40.0000	41
8	Aniline	93	4.439	4.439	(0.928)	623911	40.0000	52
9	bis(2-Chloroethyl)ether	63	4.535	4.535	(0.949)	392068	40.0000	48
10	2-Chlorophenol	128	4.567	4.567	(0.955)	346332	40.0000	40
11	1,3-Dichlorobenzene	146	4.717	4.717	(0.987)	336277	40.0000	33
12	1,4-Dichlorobenzene	146	4.797	4.797	(1.003)	394465	40.0000	38
13	Benzyl alcohol	108	4.968	4.968	(1.039)	200284	40.0000	46
14	1,2-Dichlorobenzene	146	4.957	4.957	(1.037)	353135	40.0000	38
15	2,2'-oxybis(1-Chloropropane)	45	5.112	5.112	(1.069)	547762	40.0000	50
16	2-Methylphenol	108	5.123	5.123	(1.072)	354980	40.0000	43
92	Acetophenone	105	5.240	5.240	(1.096)	524202	40.0000	43
17	Hexachloroethane	117	5.310	5.310	(1.111)	208771	40.0000	46
18	N-Nitroso-di-n-propylamine	70	5.262	5.262	(1.101)	337667	40.0000	52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.288	5.288	(1.106)	325652	40.0000	41
*	20 Naphthalene-d8	136	6.138	6.138	(1.000)	489468	20.0000	
$	21 Nitrobenzene-d5	82	5.384	5.384	(0.877)	512768	40.0000	45
	22 Nitrobenzene	77	5.406	5.406	(0.881)	527328	40.0000	46
	23 Isophorone	82	5.673	5.673	(0.924)	798571	40.0000	46
	24 2-Nitrophenol	139	5.742	5.742	(0.936)	163492	40.0000	35
	25 2,4-Dimethylphenol	122	5.839	5.839	(0.951)	290700	40.0000	43
	26 Benzoic Acid	122	6.026	6.026	(0.982)	112338	40.0000	35(M)
	27 Bis(2-Chloroethoxy)methane	93	5.924	5.924	(0.965)	500967	40.0000	46
	28 2,4-Dichlorophenol	162	6.015	6.015	(0.980)	270855	40.0000	39
	29 1,2,4-Trichlorobenzene	180	6.084	6.084	(0.991)	304008	40.0000	34
	30 Naphthalene	128	6.159	6.159	(1.003)	983936	40.0000	38
	31 4-Chloroaniline	127	6.239	6.239	(1.017)	379023	40.0000	44
	32 Hexachlorobutadiene	225	6.309	6.309	(1.028)	180318	40.0000	33
	129 Caprolactam	113	6.651	6.651	(1.084)	58760	40.0000	41(M)
	33 4-Chloro-3-methylphenol	107	6.795	6.795	(1.107)	266774	40.0000	38
	34 2-Methylnaphthalene	142	6.902	6.902	(1.124)	583482	40.0000	37
*	35 Acenaphthene-d10	164	7.992	7.992	(1.000)	267996	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.864	6.864	(1.436)	255483	40.0000	35
	37 Hexachlorocyclopentadiene	237	7.078	7.078	(0.886)	176385	40.0000	35
	38 2,4,6-Trichlorophenol	196	7.217	7.217	(0.903)	173349	40.0000	35
	39 2,4,5-Trichlorophenol	196	7.260	7.260	(0.908)	161294	40.0000	32
$	40 2-Fluorobiphenyl	172	7.297	7.297	(0.913)	627176	40.0000	38
	130 1,1'-Biphenyl	154	7.404	7.404	(0.926)	600423	40.0000	30
	41 2-Chloronaphthalene	162	7.409	7.409	(0.927)	590878	40.0000	36
	42 2-Nitroaniline	65	7.537	7.537	(0.943)	251252	40.0000	51
	43 Acenaphthylene	152	7.842	7.842	(0.981)	885296	40.0000	38
	44 Dimethylphthalate	163	7.746	7.746	(0.969)	542620	40.0000	39
	45 2,6-Dinitrotoluene	165	7.799	7.799	(0.976)	131728	40.0000	34
	46 Acenaphthene	153	8.034	8.034	(1.005)	560772	40.0000	36
	47 3-Nitroaniline	138	7.975	7.975	(0.998)	118969	40.0000	36
	48 2,4-Dinitrophenol	184	8.082	8.082	(1.011)	54028	40.0000	32
	49 Dibenzofuran	168	8.216	8.216	(1.028)	751784	40.0000	37
	50 2,4-Dinitrotoluene	165	8.221	8.221	(1.029)	148037	40.0000	35
	51 4-Nitrophenol	109	8.195	8.195	(1.025)	88798	40.0000	49
	52 Fluorene	166	8.579	8.579	(1.074)	633132	40.0000	38
	53 4-Chlorophenyl-phenylether	204	8.584	8.584	(1.074)	288326	40.0000	32
	54 Diethylphthalate	149	8.488	8.488	(1.062)	482226	40.0000	38
	55 4-Nitroaniline	138	8.627	8.627	(1.080)	116080	40.0000	43
$	56 2,4,6-Tribromophenol	330	8.836	8.836	(1.106)	71832	40.0000	46
*	57 Phenanthrene-d10	188	9.562	9.562	(1.000)	327059	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.659	8.659	(0.906)	78362	40.0000	38
	59 N-Nitrosodiphenylamine (1)	169	8.718	8.718	(0.912)	396384	40.0000	44
	60 1,2-Diphenylhydrazine	77	8.750	8.750	(0.915)	846634	40.0000	47
	61 4-Bromophenyl-phenylether	248	9.097	9.097	(0.951)	160518	40.0000	43
	131 Atrazine	200	9.300	9.300	(0.973)	95591	40.0000	45
	62 Hexachlorobenzene	284	9.161	9.161	(0.958)	139390	40.0000	39
	63 Pentachlorophenol	266	9.380	9.380	(0.981)	55888	40.0000	32
	64 Phenanthrene	178	9.589	9.589	(1.003)	737216	40.0000	41
	65 Carbazole	167	9.824	9.824	(1.027)	622143	40.0000	46
	66 Anthracene	178	9.642	9.642	(1.008)	758493	40.0000	41
	67 Di-n-butylphthalate	149	10.209	10.209	(1.068)	535961	40.0000	47
	68 Fluoranthene	202	10.844	10.844	(1.134)	644733	40.0000	43
*	70 Chrysene-d12	240	12.431	12.431	(1.000)	210425	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.988	10.988	(0.884)	109274	40.0000	65
72	Pyrene	202	11.079	11.079	(0.891)	559368	40.0000	30
$ 73	Terphenyl-d14	244	11.256	11.256	(0.905)	367875	40.0000	37
74	Butylbenzylphthalate	149	11.779	11.779	(0.948)	199842	40.0000	37
124	3,3'-Dimethylbenzidine	212	11.758	11.758	(0.946)	73408	40.0000	38
75	3,3'-Dichlorobenzidine	252	12.394	12.394	(0.997)	140674	40.0000	39
76	Benzo(a)anthracene	228	12.415	12.415	(0.999)	434388	40.0000	35
77	Chrysene	228	12.463	12.463	(1.003)	426274	40.0000	35
78	Bis(2-Ethylhexyl)phthalate	149	12.474	12.474	(1.003)	296237	40.0000	40
* 79	Perylene-d12	264	14.595	14.595	(1.000)	172598	20.0000	
80	Di-n-octylphthalate	149	13.382	13.382	(0.917)	471640	40.0000	44
81	Benzo(b)fluoranthene	252	13.959	13.959	(0.956)	405514	40.0000	44
82	Benzo(k)fluoranthene	252	14.007	14.007	(0.960)	404276	40.0000	44
83	Benzo(a)pyrene	252	14.498	14.498	(0.993)	346457	40.0000	44
84	Indeno(1,2,3-cd)pyrene	276	16.609	16.609	(1.138)	352239	40.0000	44(M)
85	Dibenzo(a,h)anthracene	278	16.657	16.657	(1.141)	350920	40.0000	44
86	Benzo(g,h,i)perylene	276	17.137	17.137	(1.174)	334010	40.0000	40(M)
167	Simazine	201	9.279	9.279	(0.970)	58612	8.00000	12(M)
103	1,2,4,5-Tetrachlorobenzene	216	7.078	7.078	(0.886)	142993	40.0000	33
109	2,3,4,6-Tetrachlorophenol	232	8.360	8.360	(1.046)	118046	40.0000	35
119	Pentachloronitrobenzene	237	9.391	9.391	(0.982)	60579	40.0000	45

QC Flag Legend

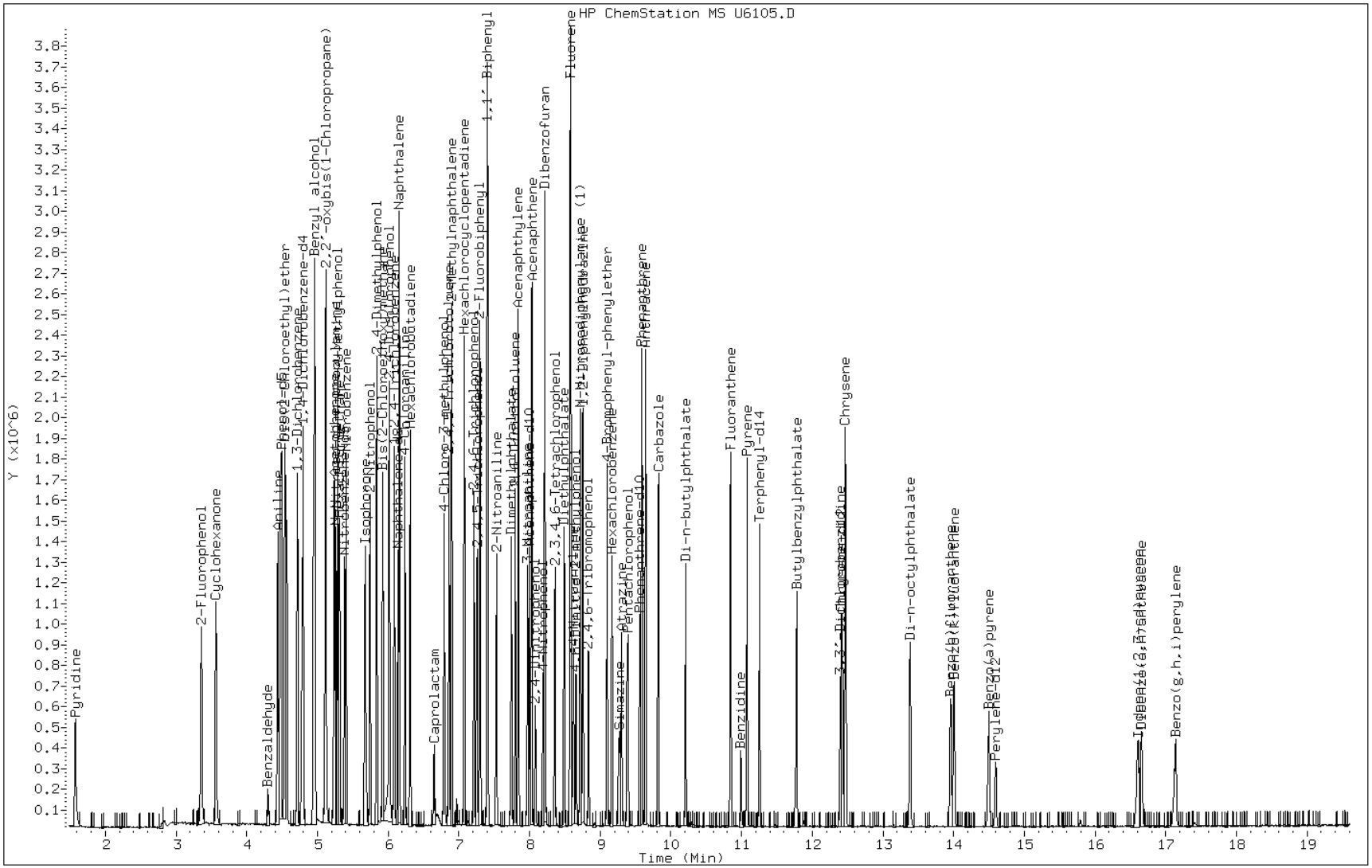
M - Compound response manually integrated.

Data File: U6105.D

Date: 02-AUG-2011 10:37

Client ID: CCVIS-648163 Instrument: msu.i

Sample Info: CCVIS-648163 Operator: S.Jonas



Manual Integration Report

Data File: U6105.D
Inj. Date and Time: 02-AUG-2011 10:37
Instrument ID: msu.i
Client ID: CCVIS-648163
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/02/2011

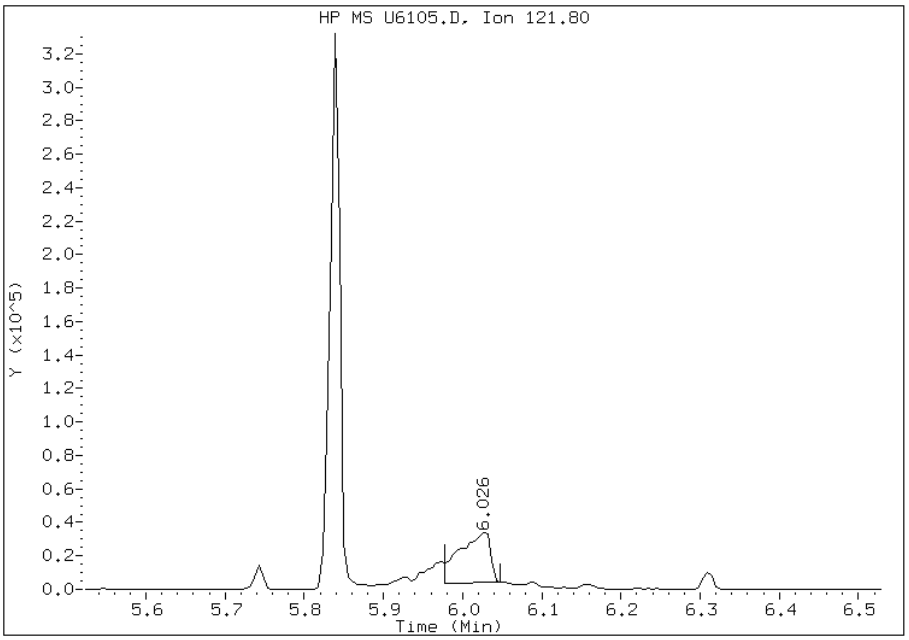
Processing Integration Results

RT: 6.03

Response: 80750

Amount: 26

Conc: 26



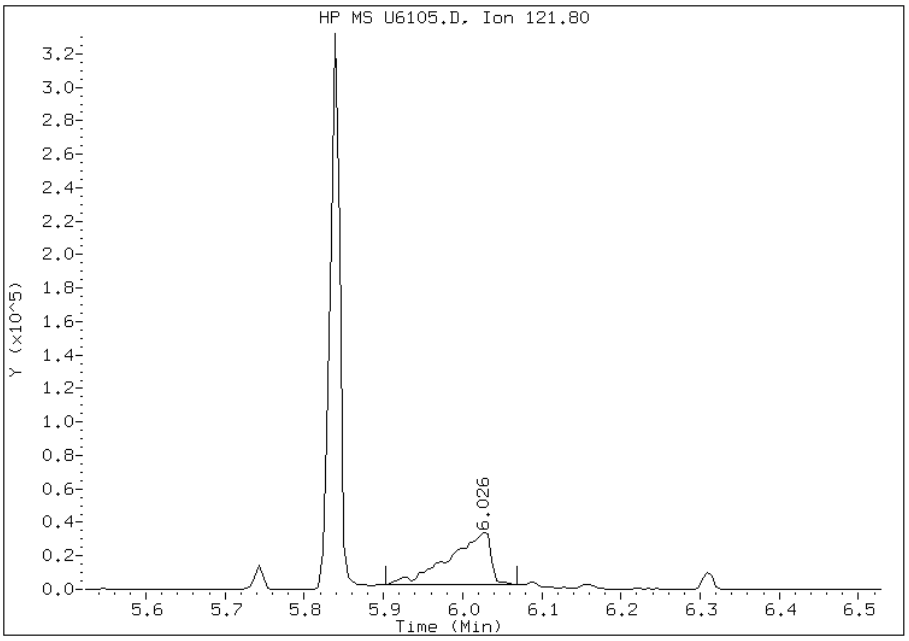
Manual Integration Results

RT: 6.03

Response: 112338

Amount: 35

Conc: 35



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6105.D
Inj. Date and Time: 02-AUG-2011 10:37
Instrument ID: msu.i
Client ID: CCVIS-648163
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/02/2011

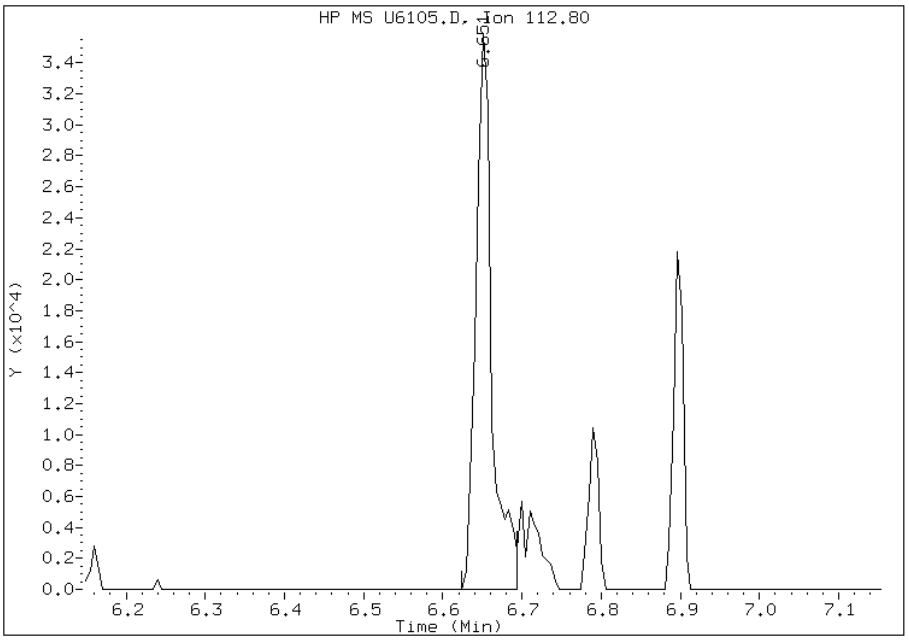
Processing Integration Results

RT: 6.65

Response: 50079

Amount: 35

Conc: 35



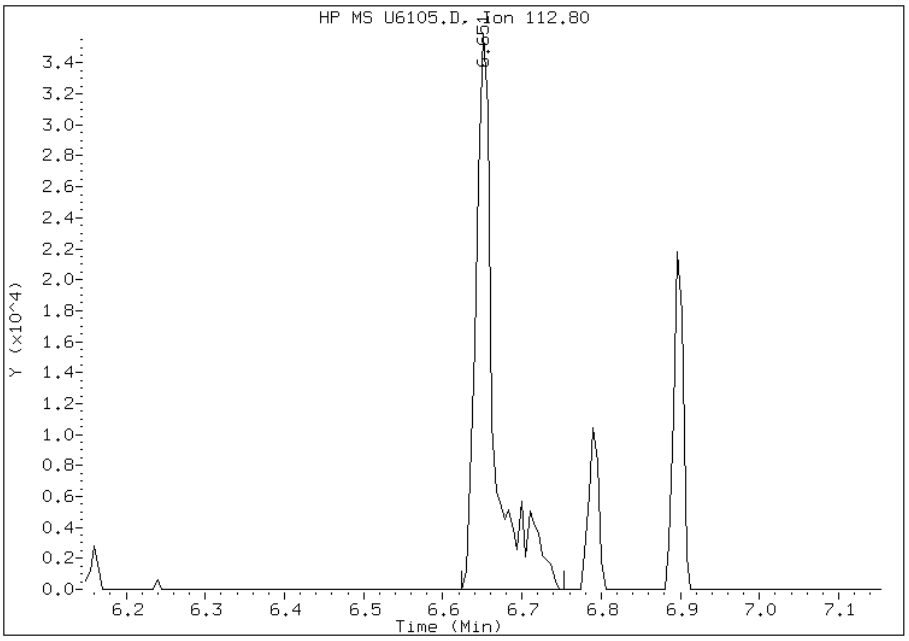
Manual Integration Results

RT: 6.65

Response: 58760

Amount: 41

Conc: 41



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6105.D
Inj. Date and Time: 02-AUG-2011 10:37
Instrument ID: msu.i
Client ID: CCVIS-648163
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/02/2011

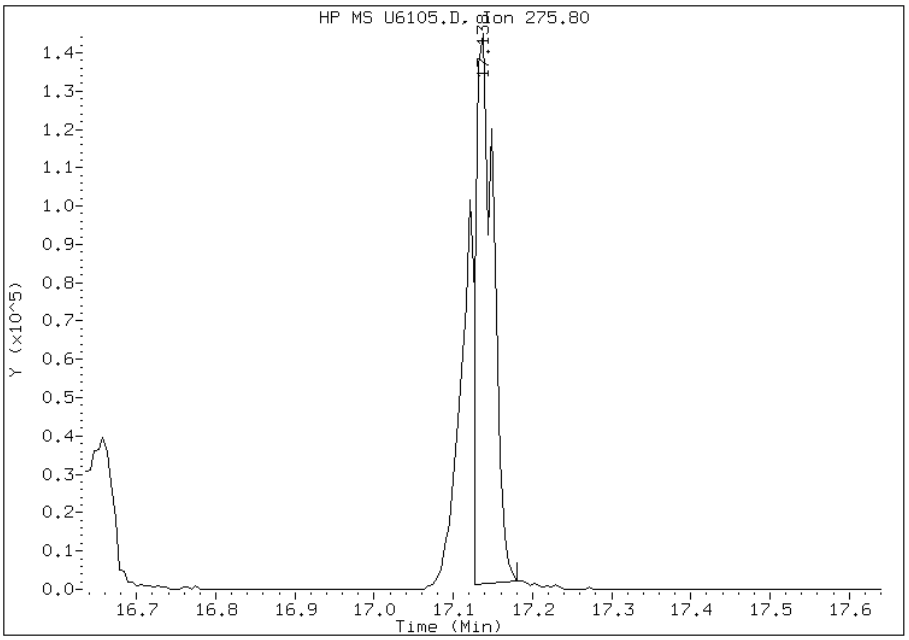
Processing Integration Results

RT: 17.14

Response: 220163

Amount: 27

Conc: 27



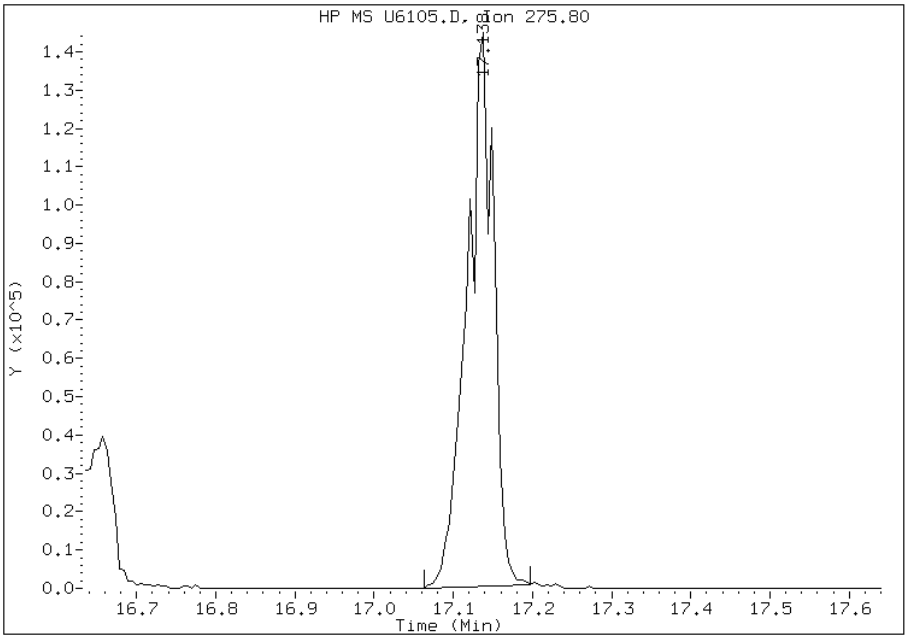
Manual Integration Results

RT: 17.14

Response: 334010

Amount: 40

Conc: 40



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6105.D
Inj. Date and Time: 02-AUG-2011 10:37
Instrument ID: msu.i
Client ID: CCVIS-648163
Compound: 167 Simazine
CAS #: 122-34-9
Report Date: 08/02/2011

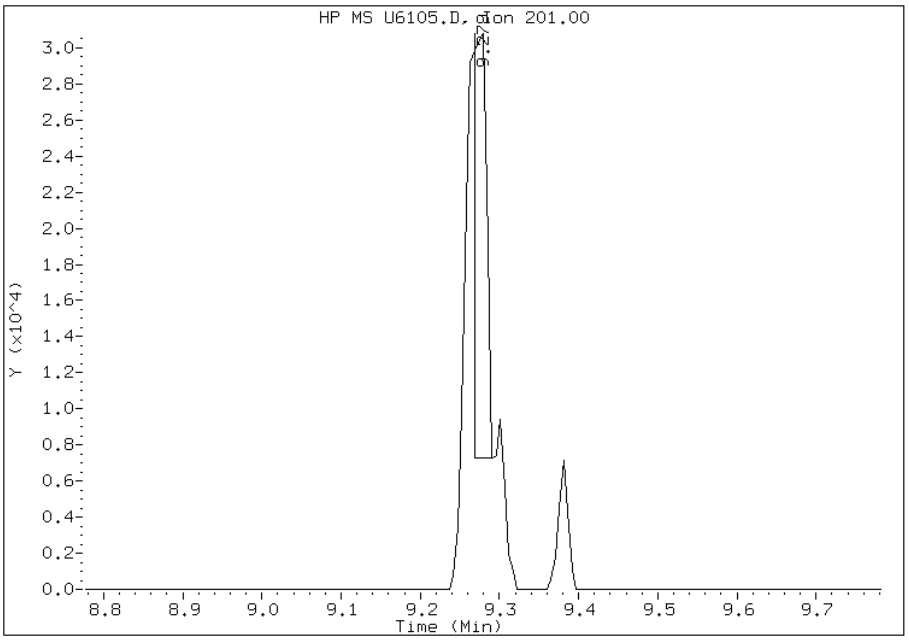
Processing Integration Results

RT: 9.28

Response: 25968

Amount: 5

Conc: 5



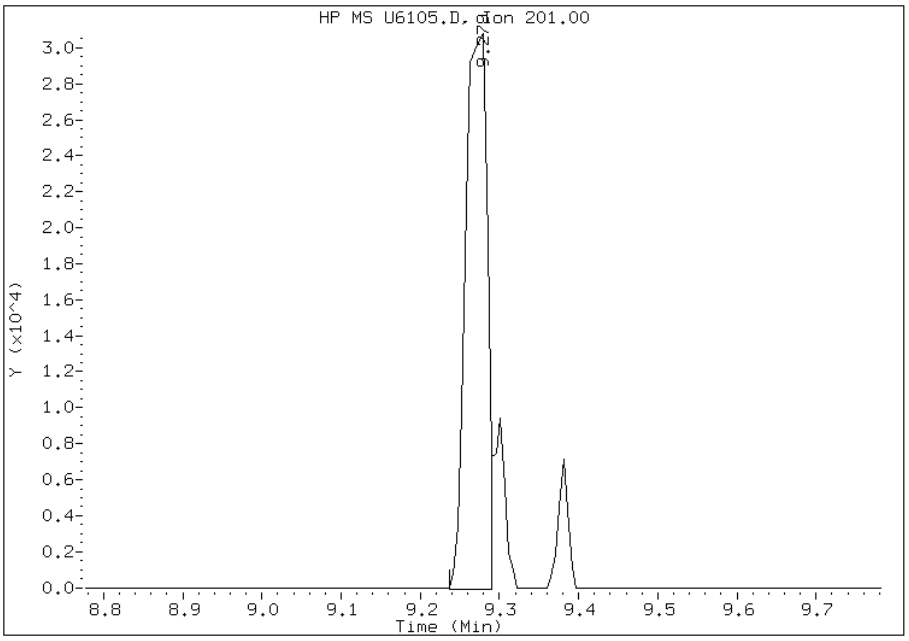
Manual Integration Results

RT: 9.28

Response: 58612

Amount: 12

Conc: 12



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6105.D
Inj. Date and Time: 02-AUG-2011 10:37
Instrument ID: msu.i
Client ID: CCVIS-648163
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/02/2011

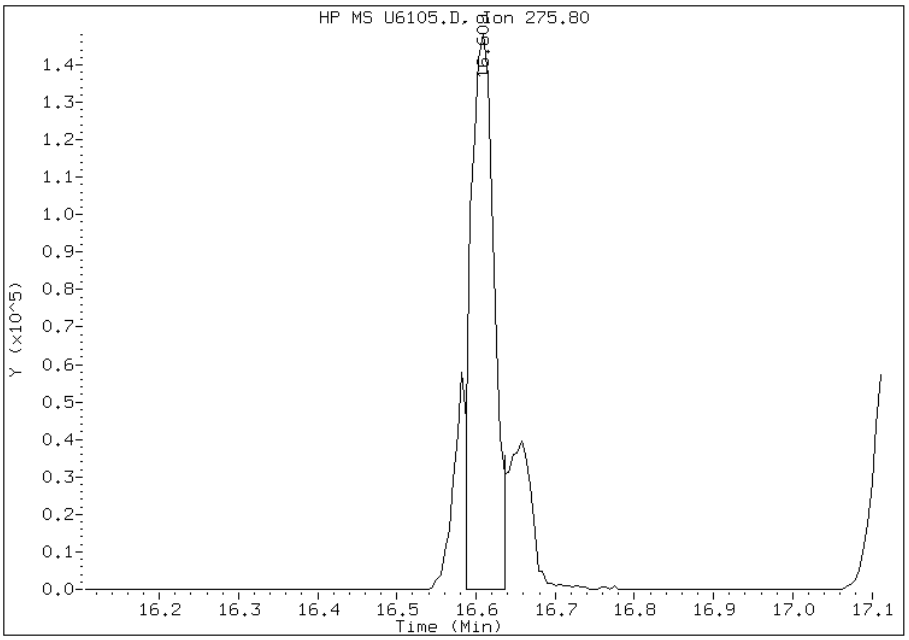
Processing Integration Results

RT: 16.61

Response: 300050

Amount: 37

Conc: 37



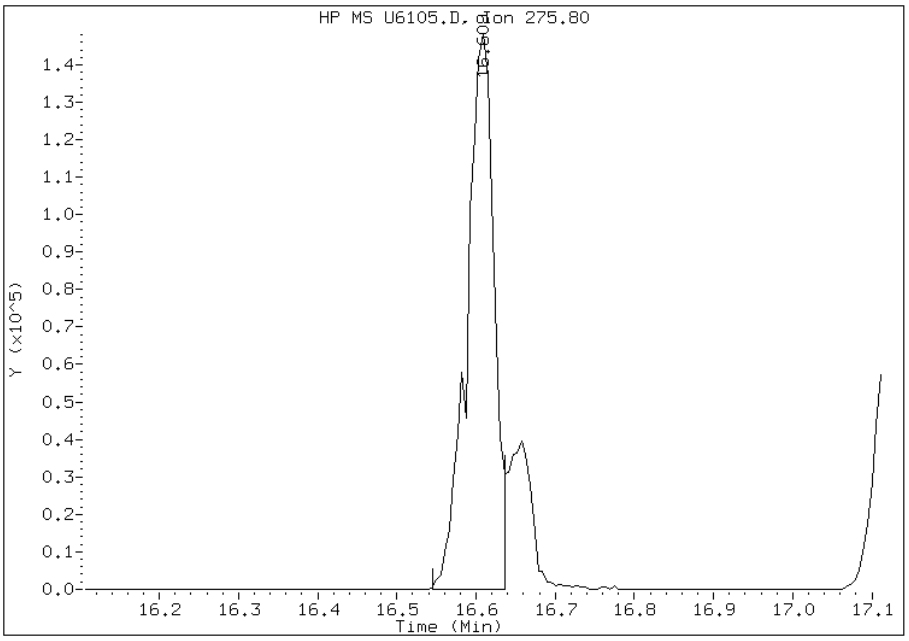
Manual Integration Results

RT: 16.61

Response: 352239

Amount: 44

Conc: 44



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\Us6057.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 28-JUL-2011 08:25
Operator : smith Inst ID: msu.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\msudftppSW.m
Meth Date : 23-Jul-2010 11:08 msu.i Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.706	4.743	-0.037	198	112616			0.00- 100.00	100.00
4.706	7.746	-3.040	51	51952			30.00- 60.00	46.13
4.706	7.746	-3.040	68	0	0.0	0.0	0.00- 2.00	0.00
4.706	7.746	-3.040	69	75504			0.00- 100.00	67.05
4.706	7.746	-3.040	70	491			0.00- 2.00	0.65
4.706	7.746	-3.040	127	59392			40.00- 60.00	52.74
4.706	7.746	-3.040	197	912			0.00- 1.00	0.81
4.706	7.746	-3.040	199	8427			5.00- 9.00	7.48
4.706	7.746	-3.040	275	23968			10.00- 30.00	21.28
4.706	7.746	-3.040	365	2971			1.00- 100.00	2.64
4.706	7.746	-3.040	441	13197			0.01- 99.99	81.92
4.706	7.746	-3.040	442	79152			40.00- 100.00	70.28
4.706	7.746	-3.040	443	16110			17.00- 23.00	20.35

Data File: Us6057.D

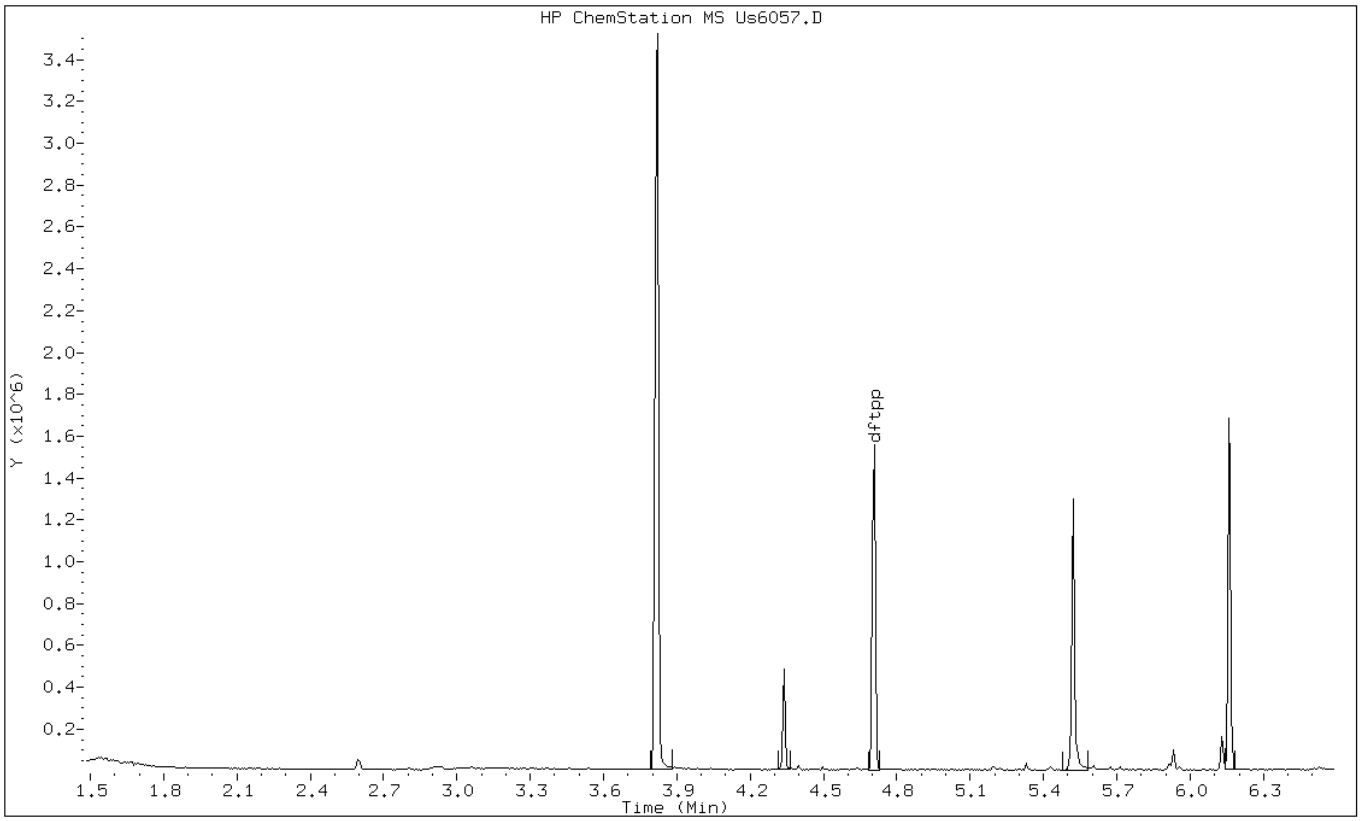
Date: 28-JUL-2011 08:25

Client ID: DFTPP

Instrument: msu.i

Sample Info: DFTPP

Operator: smith



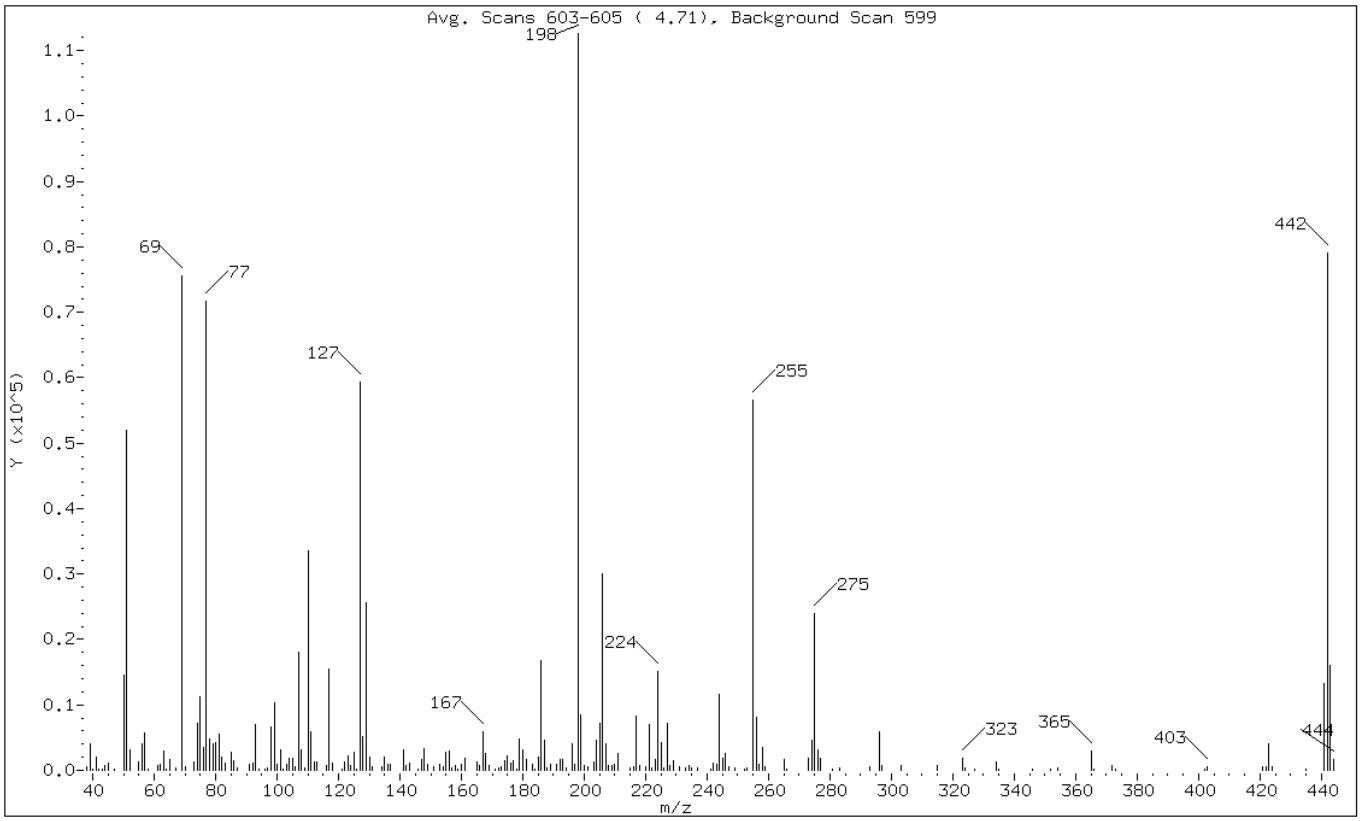
Data File: Us6057.D

Date: 28-JUL-2011 08:25

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP Operator: smith

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.13
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	67.05
70	Less than 2.00% of mass 69	0.44 (0.65)
127	40.00 - 60.00% of mass 198	52.74
197	Less than 1.00% of mass 198	0.81
199	5.00 - 9.00% of mass 198	7.48
275	10.00 - 30.00% of mass 198	21.28
365	1.00 - 100.00% of mass 198	2.64
441	Present, but less than mass 443	11.72
442	40.00 - 100.00% of mass 198	70.28
443	17.00 - 23.00% of mass 442	14.31 (20.35)

Data File: Us6057.D

Date: 28-JUL-2011 08:25

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msu.i\U116057.b\Us6057.D
Spectrum: Avg. Scans 603-605 (4.71), Background Scan 599
Location of Maximum: 198.00
Number of points: 208

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	572	107.00	18112	177.00	1394	244.00	11674
39.00	4008	108.00	3203	178.00	167	245.00	1803
40.00	98	109.00	332	179.00	4717	246.00	2614
41.00	1950	110.00	33608	180.00	3171	247.00	549
42.00	186	111.00	5967	181.00	1749	249.00	354
43.00	225	112.00	1361	183.00	1003	252.00	170
44.00	656	113.00	1232	184.00	248	253.00	398
45.00	1018	116.00	699	185.00	2021	255.00	56656
47.00	216	117.00	15493	186.00	16696	256.00	8180
50.00	14615	118.00	1042	187.00	4658	257.00	855
51.00	51952	121.00	211	188.00	390	258.00	3464
52.00	3147	122.00	1313	189.00	995	259.00	496
55.00	1246	123.00	2175	191.00	911	265.00	1703
56.00	3983	124.00	695	192.00	1607	266.00	167
57.00	5790	125.00	2798	193.00	1587	273.00	1815
58.00	228	126.00	233	194.00	369	274.00	4560
61.00	670	127.00	59392	196.00	4035	275.00	23968
62.00	883	128.00	5180	197.00	912	276.00	3109
63.00	2953	129.00	25608	198.00	112616	277.00	1755
64.00	206	130.00	2114	199.00	8427	281.00	189
65.00	1582	131.00	487	200.00	819	283.00	286
67.00	408	134.00	487	201.00	637	293.00	568
69.00	75504	135.00	2040	203.00	1235	296.00	5820
70.00	491	136.00	962	204.00	4641	297.00	715
73.00	1254	137.00	970	205.00	7175	303.00	697
74.00	7190	141.00	3045	206.00	29968	315.00	747
75.00	11315	142.00	760	207.00	3987	323.00	1935
76.00	3554	143.00	1081	208.00	812	324.00	372
77.00	71640	146.00	227	209.00	740	327.00	192
78.00	4858	147.00	1601	210.00	855	334.00	1292
79.00	4008	148.00	3247	211.00	2511	335.00	270
80.00	4216	149.00	925	215.00	300	346.00	179
81.00	5526	151.00	551	216.00	480	352.00	216
82.00	1961	153.00	956	217.00	8317	354.00	391
83.00	1158	154.00	495	218.00	647	365.00	2971
85.00	2790	155.00	2700	220.00	558	366.00	268
86.00	1429	156.00	2867	221.00	7079	372.00	779
87.00	434	157.00	284	222.00	328	373.00	167
91.00	924	158.00	783	223.00	1637	402.00	201
92.00	1122	159.00	245	224.00	15098	403.00	589

93.00	7028	160.00	900	225.00	4269	421.00	473
94.00	257	161.00	1812	226.00	302	422.00	594
96.00	173	165.00	1220	227.00	7154	423.00	4065
97.00	411	166.00	824	228.00	673	424.00	642
98.00	6621	167.00	5809	229.00	1494	435.00	188
99.00	10295	168.00	2671	231.00	600	441.00	13197
100.00	896	169.00	724	233.00	285	442.00	79152
101.00	3066	171.00	207	234.00	694	443.00	16110
102.00	243	172.00	300	235.00	347	444.00	1672
103.00	885	173.00	612	237.00	400		
104.00	1754	174.00	1393	241.00	190		
105.00	1857	175.00	2278	242.00	1052		
106.00	546	176.00	1023	243.00	882		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\Us6104.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 02-AUG-2011 10:16
Operator : smith Inst ID: msu.i
Smp Info : DFTPP;dftpp tune
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\msudftppSW.m
Meth Date : 23-Jul-2010 11:08 msu.i Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

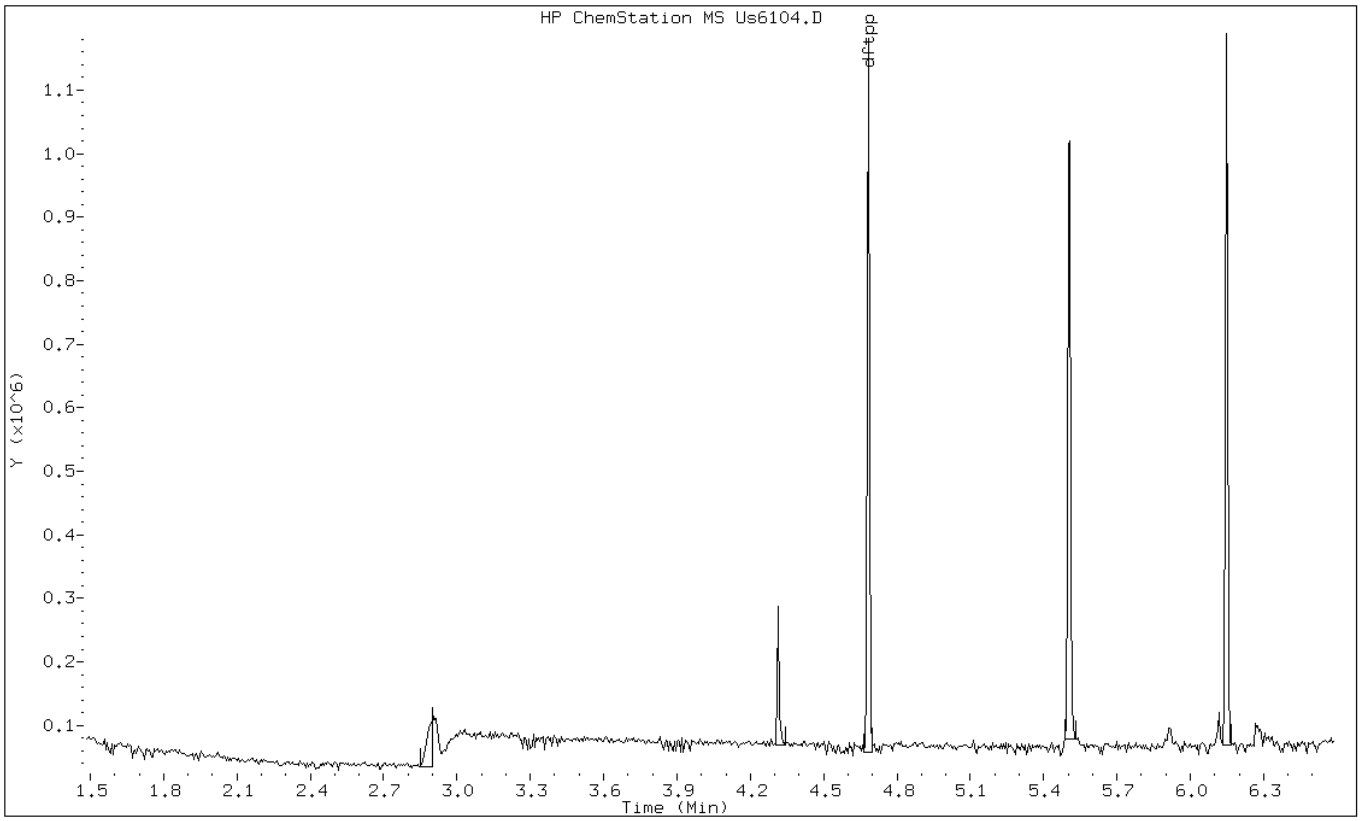
					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.685	4.743	-0.058	198	100304			0.00- 100.00	100.00
4.685	7.746	-3.061	51	58877			30.00- 60.00	58.70
4.685	7.746	-3.061	68	0	0.0	0.0	0.00- 2.00	0.00
4.685	7.746	-3.061	69	90096			0.00- 100.00	89.82
4.685	7.746	-3.061	70	0	0.0	0.0	0.00- 2.00	0.00
4.685	7.746	-3.061	127	59224			40.00- 60.00	59.04
4.685	7.746	-3.061	197	0	0.0	0.0	0.00- 1.00	0.00
4.685	7.746	-3.061	199	7333			5.00- 9.00	7.31
4.685	7.746	-3.061	275	25520			10.00- 30.00	25.44
4.685	7.746	-3.061	365	3372			1.00- 100.00	3.36
4.685	7.746	-3.061	441	12460			0.01- 99.99	92.69
4.685	7.746	-3.061	442	77064			40.00- 100.00	76.83
4.685	7.746	-3.061	443	13442			17.00- 23.00	17.44

Data File: Us6104.D

Date: 02-AUG-2011 10:16

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;dftpp tune Operator: smith



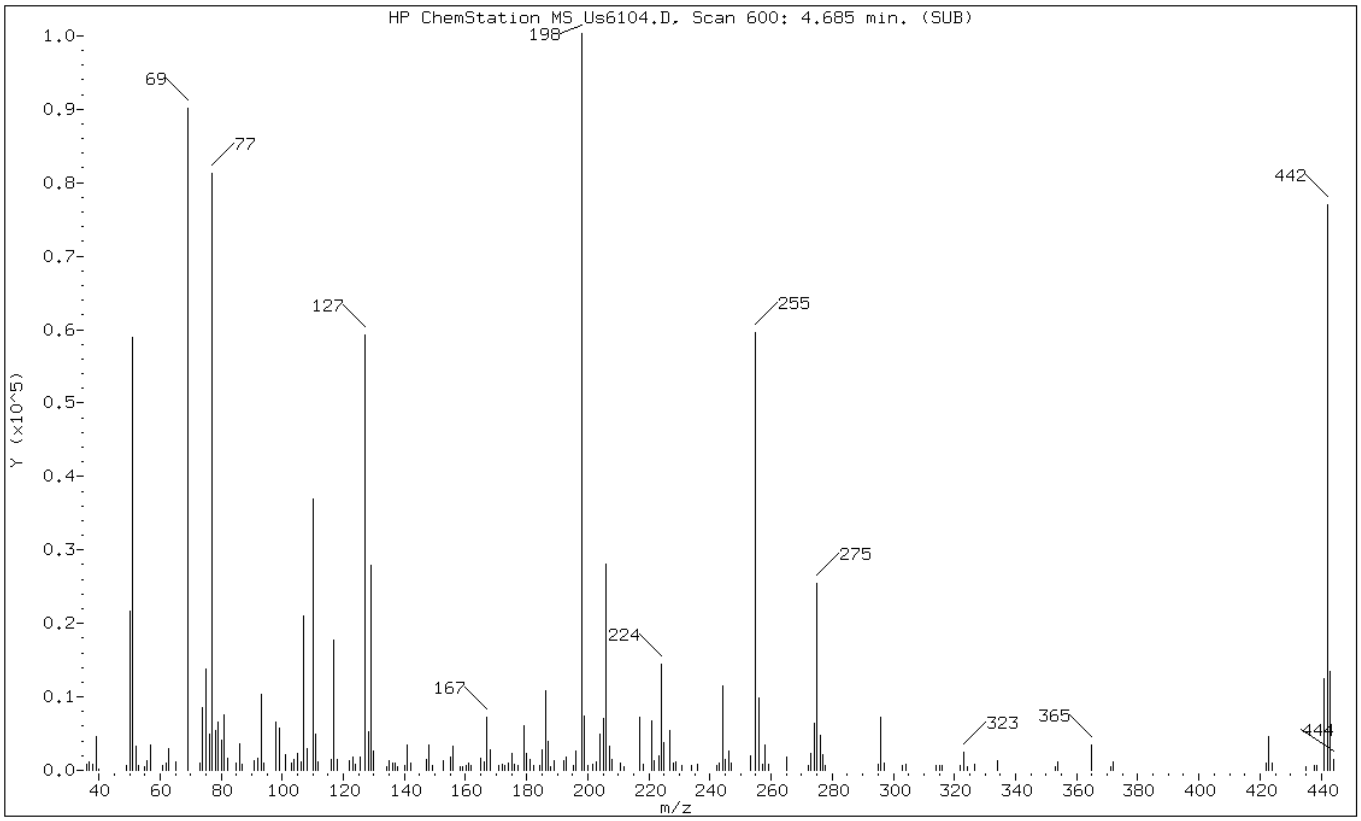
Data File: Us6104.D

Date: 02-AUG-2011 10:16

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;dftpp tune Operator: smith

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	58.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	89.82
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	59.04
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.31
275	10.00 - 30.00% of mass 198	25.44
365	1.00 - 100.00% of mass 198	3.36
441	Present, but less than mass 443	12.42
442	40.00 - 100.00% of mass 198	76.83
443	17.00 - 23.00% of mass 442	13.40 (17.44)

Data File: Us6104.D

Date: 02-AUG-2011 10:16

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;dftpp tune Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msu.i\U116101.b\Us6104.D
Spectrum: HP ChemStation MS Us6104.D, Scan 600: 4.685 min. (SUB)
Location of Maximum: 198.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	849	110.00	36920	179.00	6040	247.00	937
36.90	1161	110.90	4949	180.00	2277	253.30	1967
38.00	886	111.90	1106	181.00	1431	255.00	59544
39.00	4632	116.10	1487	182.20	584	256.00	9809
39.90	140	117.00	17672	184.10	714	257.10	816
49.00	728	117.90	1411	185.10	2755	258.00	3523
50.10	21616	122.00	1339	186.10	10883	259.00	796
51.00	58872	123.00	1861	186.90	3897	265.00	1855
52.00	3228	123.80	742	188.00	514	272.00	585
53.00	696	125.50	1798	188.90	1355	273.00	2244
54.80	555	127.00	59224	192.00	1338	274.00	6380
55.90	1354	128.10	5248	193.10	1749	275.00	25520
56.90	3375	129.00	27872	195.10	576	276.00	4738
60.90	728	129.90	2631	196.00	2651	276.90	2075
62.00	937	134.00	530	198.00	100304	277.90	606
63.00	2974	135.00	1367	199.00	7333	294.90	749
65.10	1069	136.00	989	200.20	655	296.00	7294
69.00	90096	137.00	953	201.50	840	296.90	1052
73.10	969	137.80	528	202.80	1230	302.90	660
74.00	8463	140.20	619	204.00	4905	304.10	799
75.00	13741	141.00	3392	205.00	7013	314.00	578
76.10	4873	142.00	913	206.00	28024	315.00	662
77.00	81256	147.10	1555	207.00	3206	316.00	602
78.00	5464	148.00	3476	208.00	1478	322.00	576
79.00	6642	149.10	737	210.80	962	323.10	2420
80.00	4042	152.80	1296	211.80	570	324.20	539
81.00	7608	154.90	1741	217.00	7270	326.70	776
82.00	1678	156.00	3330	218.10	754	334.10	1297
85.00	1031	158.10	512	221.00	6808	353.00	510
86.00	3596	159.00	555	221.80	1288	354.00	1141
87.00	867	160.10	730	223.10	2052	364.90	3372
90.90	1366	160.80	1049	224.10	14383	371.10	560
92.10	1661	161.80	713	225.00	3857	372.10	1116
93.00	10367	165.00	1721	227.00	5341	421.90	908
94.10	929	166.00	1110	227.90	980	423.00	4655
98.00	6552	167.00	7212	229.00	1087	424.00	941
99.00	5688	168.00	2821	230.90	643	435.20	539
101.00	2121	170.80	661	233.90	684	437.60	649
103.00	1015	171.90	807	236.10	768	438.60	686
104.00	1440	172.80	598	242.10	681	441.10	12460

105.00	2352	174.00	997	243.00	951	442.00	77064
106.10	1148	175.00	2376	244.00	11449	443.00	13442
107.00	21008	176.00	748	244.90	1469	444.10	1504
108.00	2919	177.00	588	246.00	2619		

TestAmerica Inc

Data file : \\consvr05\files\Chem\BNA\msu.i\U116145.b\Us6148.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 03-AUG-2011 10:18
Operator : smith Inst ID: msu.i
Smp Info : DFTPP;IF70-63
Misc Info :
Comment   :
Method   : \\consvr05\files\Chem\BNA\msu.i\U116145.b\msudftppSW.m
Meth Date : 23-Jul-2010 11:08 msu.i Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSU

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

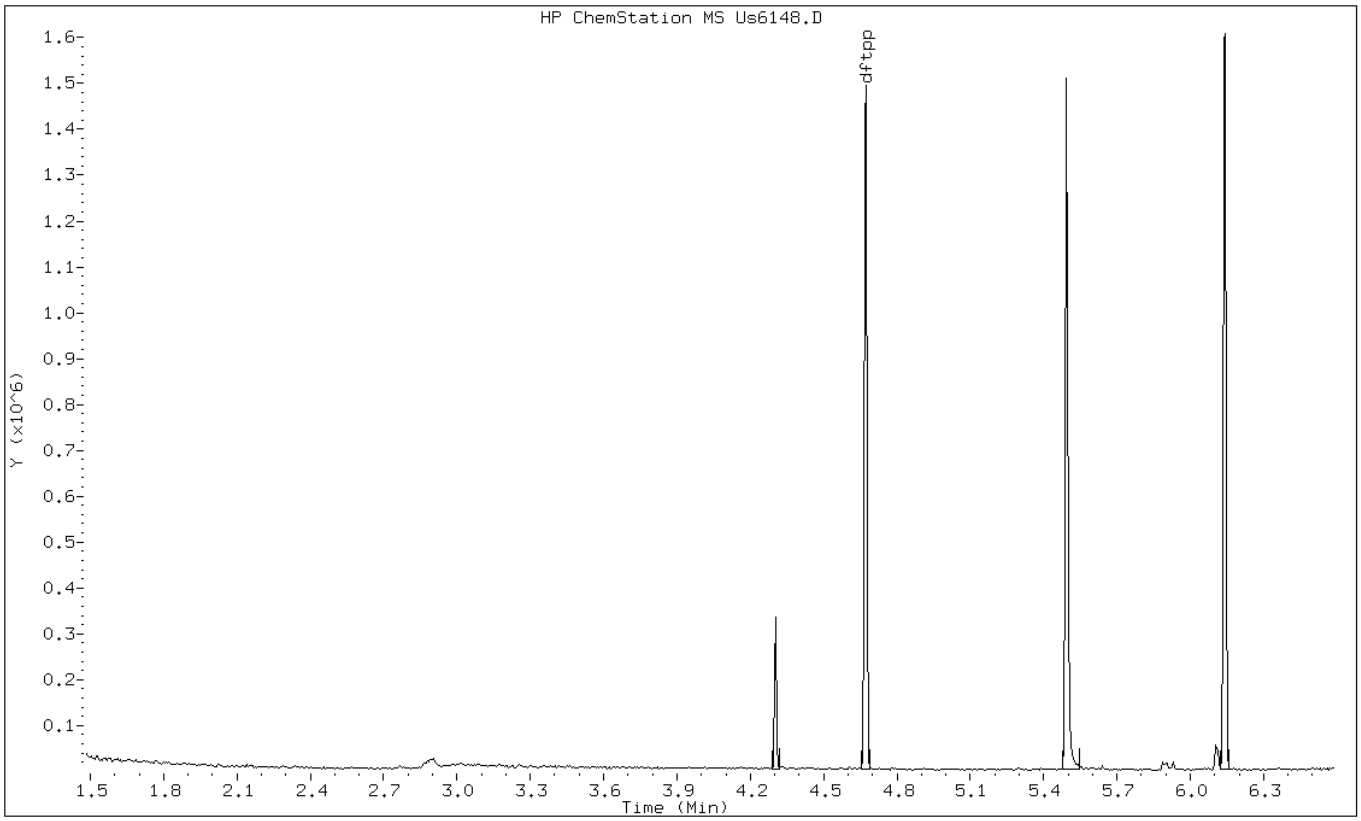
					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.674	4.743	-0.069	198	113112			0.00- 100.00	100.00
4.674	7.746	-3.072	51	50384			30.00- 60.00	44.54
4.674	7.746	-3.072	68	0	0.0	0.0	0.00- 2.00	0.00
4.674	7.746	-3.072	69	69432			0.00- 100.00	61.38
4.674	7.746	-3.072	70	403			0.00- 2.00	0.58
4.674	7.746	-3.072	127	60568			40.00- 60.00	53.55
4.674	7.746	-3.072	197	652			0.00- 1.00	0.58
4.674	7.746	-3.072	199	7763			5.00- 9.00	6.86
4.674	7.746	-3.072	275	30464			10.00- 30.00	26.93
4.674	7.746	-3.072	365	3721			1.00- 100.00	3.29
4.674	7.746	-3.072	441	15946			0.01- 99.99	72.96
4.674	7.746	-3.072	442	102224			40.00- 100.00	90.37
4.674	7.746	-3.072	443	21856			17.00- 23.00	21.38

Data File: Us6148.D

Date: 03-AUG-2011 10:18

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;IF70-63 Operator: smith



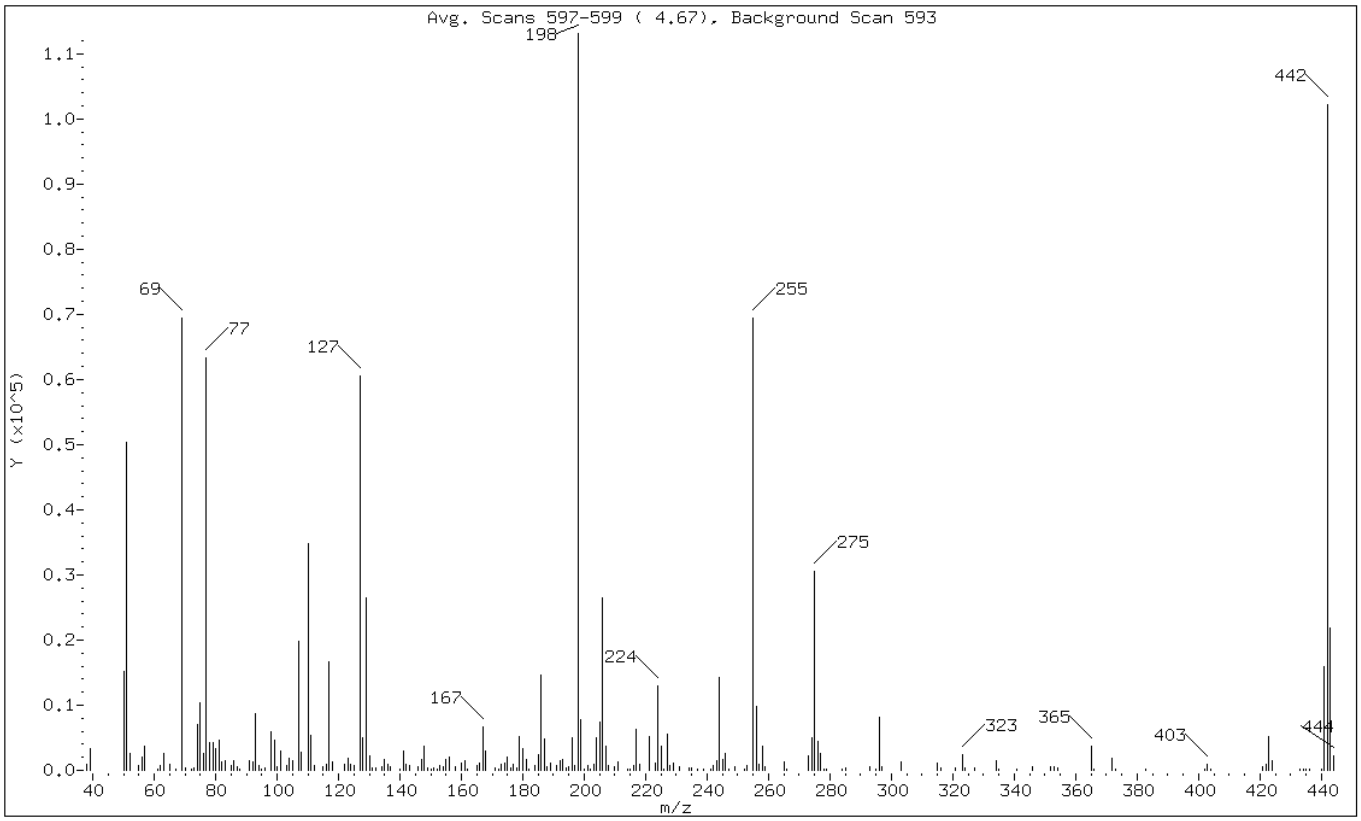
Data File: Us6148.D

Date: 03-AUG-2011 10:18

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;IF70-63 Operator: smith

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	44.54
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Less than 100.00% of mass 198	61.38
70	Less than 2.00% of mass 69	0.36 (0.58)
127	40.00 - 60.00% of mass 198	53.55
197	Less than 1.00% of mass 198	0.58
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	26.93
365	1.00 - 100.00% of mass 198	3.29
441	Present, but less than mass 443	14.10
442	40.00 - 100.00% of mass 198	90.37
443	17.00 - 23.00% of mass 442	19.32 (21.38)

Data File: Us6148.D

Date: 03-AUG-2011 10:18

Client ID: DFTPP Instrument: msu.i

Sample Info: DFTPP;IF70-63 Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\Us6148.D
Spectrum: Avg. Scans 597-599 (4.67), Background Scan 593
Location of Maximum: 198.00
Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	949	122.00	975	188.00	640	258.00	3724
39.00	3240	123.00	1943	189.00	1106	259.00	506
50.00	15128	124.00	987	191.00	779	265.00	1241
51.00	50384	125.00	826	192.00	1422	266.00	174
52.00	2596	127.00	60568	193.00	1683	273.00	2262
55.00	702	128.00	5030	194.00	392	274.00	4914
56.00	1963	129.00	26400	195.00	514	275.00	30464
57.00	3778	130.00	2166	196.00	4982	276.00	4356
61.00	268	131.00	449	197.00	652	277.00	2656
62.00	769	132.00	373	198.00	113112	278.00	184
63.00	2512	134.00	594	199.00	7763	279.00	194
65.00	946	135.00	1633	200.00	254	284.00	201
67.00	178	136.00	912	201.00	696	285.00	388
69.00	69432	137.00	547	202.00	172	293.00	532
70.00	403	140.00	167	203.00	906	295.00	239
72.00	170	141.00	2993	204.00	4932	296.00	8221
73.00	419	142.00	901	205.00	7378	297.00	593
74.00	7040	143.00	719	206.00	26552	303.00	1221
75.00	10378	146.00	496	207.00	3648	315.00	1100
76.00	2523	147.00	1681	208.00	818	316.00	327
77.00	63328	148.00	3739	210.00	500	321.00	380
78.00	4244	149.00	387	211.00	1367	323.00	2483
79.00	4345	150.00	241	214.00	176	324.00	401
80.00	3243	151.00	440	215.00	223	327.00	393
81.00	4635	152.00	167	216.00	701	334.00	1548
82.00	1236	153.00	781	217.00	6266	335.00	208
83.00	1492	154.00	572	218.00	845	341.00	235
85.00	821	155.00	1720	221.00	5135	346.00	519
86.00	1435	156.00	1959	223.00	1110	352.00	540
87.00	508	158.00	583	224.00	13027	353.00	615
88.00	185	160.00	1198	225.00	3684	354.00	426
91.00	1515	161.00	1548	226.00	247	365.00	3721
92.00	1339	162.00	229	227.00	5469	366.00	246
93.00	8760	165.00	795	228.00	784	372.00	1794
94.00	683	166.00	1022	229.00	1076	373.00	181
95.00	198	167.00	6574	231.00	526	383.00	193
96.00	455	168.00	3026	234.00	423	402.00	192
98.00	6004	171.00	339	235.00	416	403.00	897
99.00	4662	172.00	261	237.00	228	404.00	258
100.00	566	173.00	876	239.00	198	421.00	568

101.00	2996	174.00	1148	241.00	183	422.00	915
103.00	745	175.00	2052	242.00	809	423.00	5198
104.00	1855	176.00	372	243.00	1404	424.00	1505
105.00	1445	177.00	913	244.00	14232	433.00	232
107.00	19744	178.00	370	245.00	1611	434.00	183
108.00	2697	179.00	5148	246.00	2628	435.00	210
110.00	34808	180.00	3288	247.00	182	436.00	180
111.00	5287	181.00	1734	249.00	605	440.00	192
112.00	654	182.00	190	252.00	200	441.00	15946
115.00	470	184.00	669	253.00	798	442.00	102224
116.00	888	185.00	2487	255.00	69344	443.00	21856
117.00	16728	186.00	14685	256.00	9750	444.00	2139
118.00	1370	187.00	4755	257.00	982		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53507/1-A

Matrix: Solid | Lab File ID: U6157.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/01/2011 14:36

Sample wt/vol: 15(g) | Date Analyzed: 08/03/2011 14:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53606 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	270	U	270	14
83-32-9	Acenaphthene	270	U	270	16
86-73-7	Fluorene	270	U	270	16
85-01-8	Phenanthrene	270	U	270	13
120-12-7	Anthracene	270	U	270	11
129-00-0	Pyrene	270	U	270	13
56-55-3	Benzo[a]anthracene	270	U	270	9.6
218-01-9	Chrysene	270	U	270	20
205-99-2	Benzo[b]fluoranthene	270	U	270	7.2
207-08-9	Benzo[k]fluoranthene	270	U	270	24
50-32-8	Benzo[a]pyrene	270	U	270	7.3
193-39-5	Indeno[1,2,3-cd]pyrene	270	U	270	18
53-70-3	Dibenz(a,h)anthracene	270	U	270	21
191-24-2	Benzo[g,h,i]perylene	270	U	270	18
206-44-0	Fluoranthene	270	U	270	13
208-96-8	Acenaphthylene	270	U	270	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		38-120
321-60-8	2-Fluorobiphenyl	61		41-120
1718-51-0	Terphenyl-d14	81		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6157.D
Lab Smp Id: MB 220-53507/1-A Client Smp ID: MB 220-53507/1-A
Inj Date : 03-AUG-2011 14:34
Operator : S.Jonas Inst ID: msu.i
Smp Info : MB 220-53507/1-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 07:11 stephan Quant Type: ISTD
Cal Date : 03-AUG-2011 10:34 Cal File: U6149.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

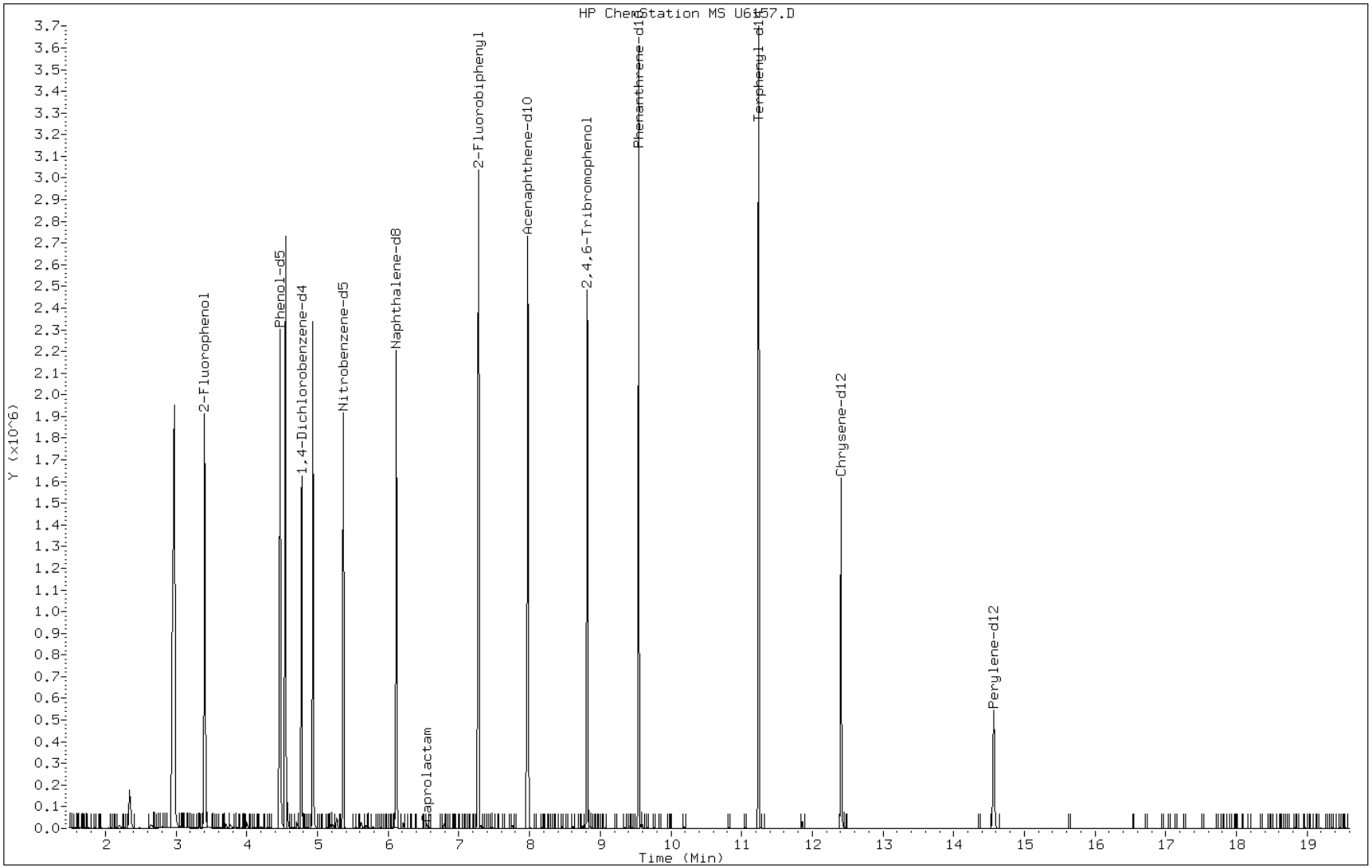
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.775	4.771	(1.000)	247066	20.0000	
$ 2	2-Fluorophenol	112	3.402	3.349	(0.713)	707166	48.2938	3200
$ 3	Phenol-d5	99	4.471	4.471	(0.936)	1084155	52.1327	3500
* 20	Naphthalene-d8	136	6.116	6.127	(1.000)	1006195	20.0000	
$ 21	Nitrobenzene-d5	82	5.368	5.374	(0.878)	679375	36.5153	2400
129	Caprolactam	113	6.549	6.646	(1.071)	3372	2.09008	140
* 35	Acenaphthene-d10	164	7.975	7.981	(1.000)	747674	20.0000	
$ 40	2-Fluorobiphenyl	172	7.281	7.287	(0.913)	1183878	30.5280	2000
$ 56	2,4,6-Tribromophenol	330	8.819	8.825	(1.106)	281715	61.1012	4100
* 57	Phenanthrene-d10	188	9.546	9.552	(1.000)	1195166	20.0000	
* 70	Chrysene-d12	240	12.409	12.415	(1.000)	666970	20.0000	
$ 73	Terphenyl-d14	244	11.245	11.240	(0.906)	1186379	40.5576	2700
* 79	Perylene-d12	264	14.568	14.574	(1.000)	328834	20.0000	

Data File: U6157.D

Date: 03-AUG-2011 14:34

Client ID: MB 220-53507/1-A Instrument: msu.i

Sample Info: MB 220-53507/1-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16087-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53507/2-A

Matrix: Solid | Lab File ID: U6158.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/01/2011 14:36

Sample wt/vol: 15(g) | Date Analyzed: 08/03/2011 15:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53606 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1630		270	14
83-32-9	Acenaphthene	1640		270	16
86-73-7	Fluorene	1790		270	16
85-01-8	Phenanthrene	1760		270	13
120-12-7	Anthracene	1660		270	11
129-00-0	Pyrene	2380		270	13
56-55-3	Benzo[a]anthracene	1820		270	9.6
218-01-9	Chrysene	1210		270	20
205-99-2	Benzo[b]fluoranthene	1980		270	7.2
207-08-9	Benzo[k]fluoranthene	1950		270	24
50-32-8	Benzo[a]pyrene	1760		270	7.3
193-39-5	Indeno[1,2,3-cd]pyrene	1680		270	18
53-70-3	Dibenz(a,h)anthracene	1790		270	21
191-24-2	Benzo[g,h,i]perylene	1700		270	18
206-44-0	Fluoranthene	1800		270	13
208-96-8	Acenaphthylene	1520		270	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	63		38-120
321-60-8	2-Fluorobiphenyl	62		41-120
1718-51-0	Terphenyl-d14	96		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\U6158.D
Lab Smp Id: LCS 220-53507/2-A Client Smp ID: LCS 220-53507/2-A
Inj Date : 03-AUG-2011 15:02
Operator : S.Jonas Inst ID: msu.i
Smp Info : LCS 220-53507/2-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msu.i\U116145.b\MSU-8270C.m
Meth Date : 04-Aug-2011 07:11 stephan Quant Type: ISTD
Cal Date : 03-AUG-2011 10:34 Cal File: U6149.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.775	4.771	(1.000)	238753	20.0000	
$ 2	2-Fluorophenol	112	3.408	3.349	(0.714)	488989	34.5568	2300
$ 3	Phenol-d5	99	4.482	4.471	(0.938)	979285	48.7295	3200
4	Pyridine	52	1.677	1.571	(0.351)	55773	16.8678	1100
5	N-Nitrosodimethylamine	42	1.666	1.565	(0.349)	57387	21.6507	1400
7	Phenol	94	4.492	4.482	(0.941)	496998	25.2644	1700
8	Aniline	93	4.439	4.429	(0.930)	426091	18.8471	1300
9	bis(2-Chloroethyl)ether	63	4.535	4.525	(0.950)	245288	21.5984	1400
10	2-Chlorophenol	128	4.567	4.557	(0.956)	355667	23.1443	1500
11	1,3-Dichlorobenzene	146	4.711	4.706	(0.987)	362669	21.1321	1400
12	1,4-Dichlorobenzene	146	4.791	4.787	(1.003)	361516	19.2786	1300(R)
13	Benzyl alcohol	108	4.957	4.957	(1.038)	242304	33.6815	2200
14	1,2-Dichlorobenzene	146	4.952	4.947	(1.037)	401366	22.5536	1500
15	2,2'-oxybis(1-Chloropropane)	45	5.101	5.102	(1.068)	307630	21.0881	1400
16	2-Methylphenol	108	5.107	5.112	(1.069)	361198	25.0208	1700
17	Hexachloroethane	117	5.299	5.299	(1.110)	172114	18.8471	1300(R)
18	N-Nitroso-di-n-propylamine	70	5.245	5.251	(1.098)	291262	24.4141	1600
19	4-Methylphenol	108	5.283	5.278	(1.106)	758317	50.4350	3400(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
*	20 Naphthalene-d8	136	6.122	6.127	(1.000)	1058712	20.0000	
$	21 Nitrobenzene-d5	82	5.374	5.374	(0.878)	611845	31.2544	2100
	22 Nitrobenzene	77	5.390	5.396	(0.880)	457387	22.8442	1500
	23 Isophorone	82	5.651	5.663	(0.923)	809835	25.5329	1700
	24 2-Nitrophenol	139	5.726	5.732	(0.935)	215269	24.2657	1600
	25 2,4-Dimethylphenol	122	5.822	5.828	(0.951)	311500	25.7264	1700
	26 Benzoic Acid	122	5.999	6.015	(0.980)	88541	20.6468	1400(M)
	27 Bis(2-Chloroethoxy)methane	93	5.903	5.914	(0.964)	504751	24.0262	1600
	28 2,4-Dichlorophenol	162	5.999	6.005	(0.980)	344514	25.1354	1700
	29 1,2,4-Trichlorobenzene	180	6.068	6.074	(0.991)	334111	21.4469	1400
	30 Naphthalene	128	6.143	6.149	(1.003)	1143927	24.4483	1600
	31 4-Chloroaniline	127	6.223	6.229	(1.017)	271899	15.6496	1000
	32 Hexachlorobutadiene	225	6.293	6.298	(1.028)	216569	22.3057	1500
	33 4-Chloro-3-methylphenol	107	6.773	6.785	(1.106)	366077	26.8159	1800
	34 2-Methylnaphthalene	142	6.875	6.886	(1.123)	608811	19.7883	1300(R)
*	35 Acenaphthene-d10	164	7.986	7.981	(1.000)	729816	20.0000	
	37 Hexachlorocyclopentadiene	237	7.062	7.062	(0.884)	112991	13.2772	890(R)
	38 2,4,6-Trichlorophenol	196	7.201	7.207	(0.902)	273946	25.6998	1700
	39 2,4,5-Trichlorophenol	196	7.238	7.249	(0.906)	294642	26.5346	1800
$	40 2-Fluorobiphenyl	172	7.281	7.287	(0.912)	1169352	30.8913	2100
	41 2-Chloronaphthalene	162	7.393	7.399	(0.926)	819698	23.1129	1500
	42 2-Nitroaniline	65	7.521	7.527	(0.942)	241263	24.7052	1600
	43 Acenaphthylene	152	7.831	7.832	(0.981)	1200256	22.7493	1500(R)
	44 Dimethylphthalate	163	7.740	7.730	(0.969)	835303	25.0115	1700
	45 2,6-Dinitrotoluene	165	7.788	7.789	(0.975)	220094	26.7963	1800
	46 Acenaphthene	153	8.018	8.019	(1.004)	828129	24.5817	1600
	47 3-Nitroaniline	138	7.959	7.965	(0.997)	147077	18.7266	1200
	48 2,4-Dinitrophenol	184	8.077	8.077	(1.011)	79398	23.4195	1600
	49 Dibenzofuran	168	8.200	8.206	(1.027)	1199644	25.7436	1700
	50 2,4-Dinitrotoluene	165	8.216	8.215	(1.029)	291829	28.5832	1900
	51 4-Nitrophenol	109	8.184	8.183	(1.025)	129616	29.5242	2000
	52 Fluorene	166	8.563	8.564	(1.072)	1064142	26.8671	1800
	53 4-Chlorophenyl-phenylether	204	8.574	8.574	(1.074)	496958	26.0658	1700
	54 Diethylphthalate	149	8.478	8.478	(1.062)	912268	28.6730	1900
	55 4-Nitroaniline	138	8.616	8.617	(1.079)	173665	24.8867	1700
$	56 2,4,6-Tribromophenol	330	8.825	8.825	(1.105)	263624	58.5765	3900
*	57 Phenanthrene-d10	188	9.551	9.552	(1.000)	1115653	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.648	8.648	(0.905)	148462	25.5648	1700
	59 N-Nitrosodiphenylamine (1)	169	8.707	8.708	(0.912)	710079	26.0813	1700
	60 1,2-Diphenylhydrazine	77	8.739	8.740	(0.915)	1115051	24.5312	1600
	61 4-Bromophenyl-phenylether	248	9.087	9.087	(0.951)	298675	25.2462	1700
	62 Hexachlorobenzene	284	9.156	9.151	(0.959)	320450	26.9651	1800
	63 Pentachlorophenol	266	9.370	9.370	(0.981)	132316	33.8031	2300
	64 Phenanthrene	178	9.578	9.579	(1.003)	1405593	26.3770	1800
	65 Carbazole	167	9.808	9.814	(1.027)	1155959	26.9512	1800
	66 Anthracene	178	9.631	9.632	(1.008)	1244928	24.8750	1700
	67 Di-n-butylphthalate	149	10.192	10.193	(1.067)	1291404	31.1783	2100
	68 Fluoranthene	202	10.828	10.829	(1.134)	1294830	26.9682	1800
*	70 Chrysene-d12	240	12.409	12.415	(1.000)	455076	20.0000	
	72 Pyrene	202	11.068	11.069	(0.892)	1196976	35.6715	2400
$	73 Terphenyl-d14	244	11.239	11.240	(0.906)	959010	48.0501	3200
	74 Butylbenzylphthalate	149	11.758	11.764	(0.947)	208819	24.0994	1600
	75 3,3'-Dichlorobenzidine	252	12.372	12.378	(0.997)	76327	11.6361	780
	76 Benzo(a)anthracene	228	12.393	12.399	(0.999)	569369	27.3234	1800

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
77	Chrysene	228	12.447	12.447	(1.003)	371999	18.1468	1200(R)
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.453	(1.003)	285789	24.9716	1700
* 79	Perylene-d12	264	14.573	14.574	(1.000)	303384	20.0000	(M)
80	Di-n-octylphthalate	149	13.355	13.361	(0.916)	444937	29.9626	2000
81	Benzo(b)fluoranthene	252	13.932	13.938	(0.956)	435546	29.7190	2000
82	Benzo(k)fluoranthene	252	13.975	13.986	(0.959)	449252	29.2692	2000
83	Benzo(a)pyrene	252	14.472	14.477	(0.993)	344472	26.4339	1800(MH)
84	Indeno(1,2,3-cd)pyrene	276	16.566	16.582	(1.137)	330750	25.1947	1700
85	Dibenzo(a,h)anthracene	278	16.619	16.629	(1.140)	346393	26.8665	1800
86	Benzo(g,h,i)perylene	276	17.100	17.116	(1.173)	335753	25.4503	1700
103	1,2,4,5-Tetrachlorobenzene	216	7.067	7.073	(0.885)	392056	48.3422	3200
109	2,3,4,6-Tetrachlorophenol	232	8.349	8.350	(1.045)	213185	28.5509	1900
119	Pentachloronitrobenzene	237	9.386	9.381	(0.983)	121251	29.3484	2000

QC Flag Legend

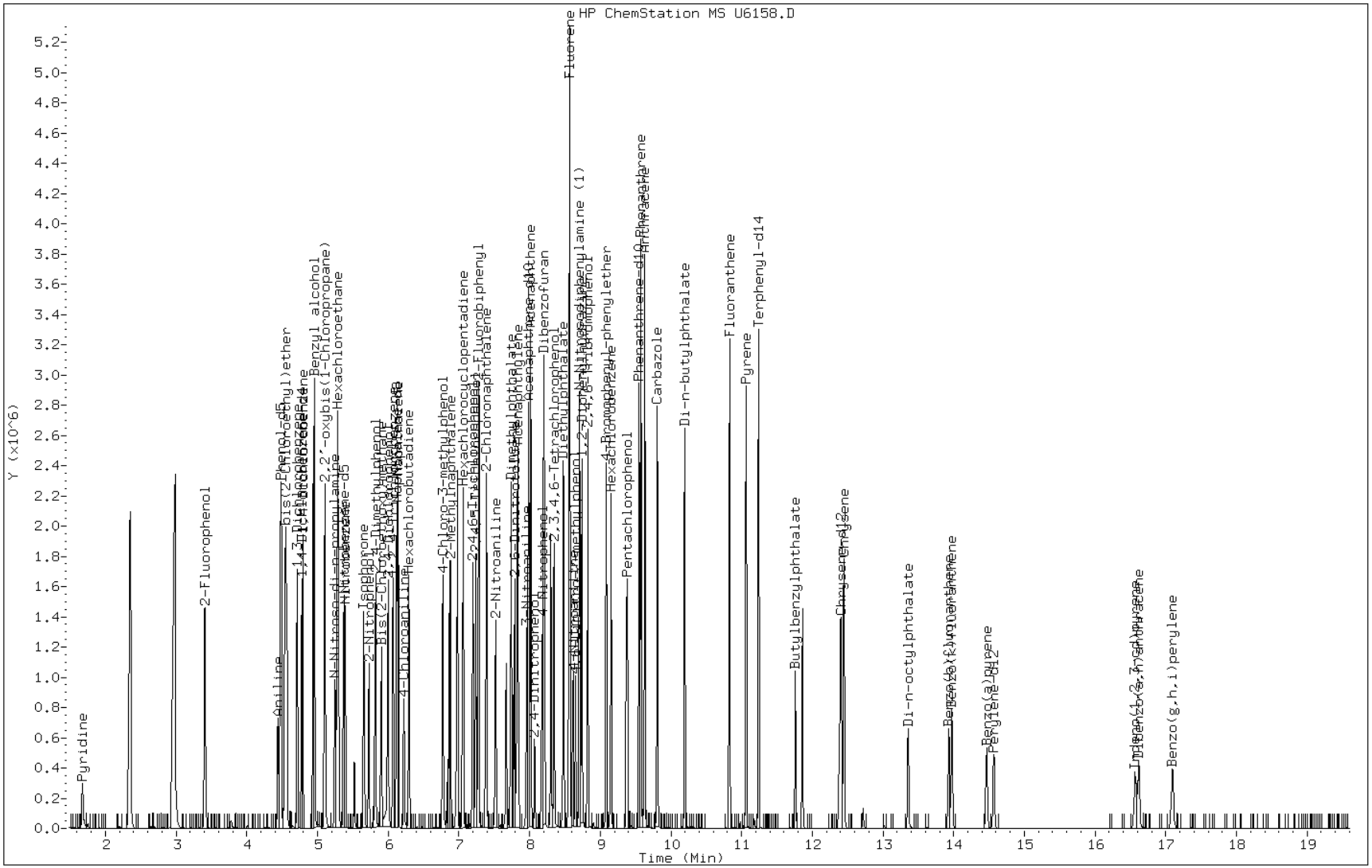
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: U6158.D

Date: 03-AUG-2011 15:02

Client ID: LCS 220-53507/2-A Instrument: msu.i

Sample Info: LCS 220-53507/2-A Operator: S.Jonas



Manual Integration Report

Data File: U6158.D
Inj. Date and Time: 03-AUG-2011 15:02
Instrument ID: msu.i
Client ID: LCS 220-53507/2-A
Compound: 83 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 08/04/2011

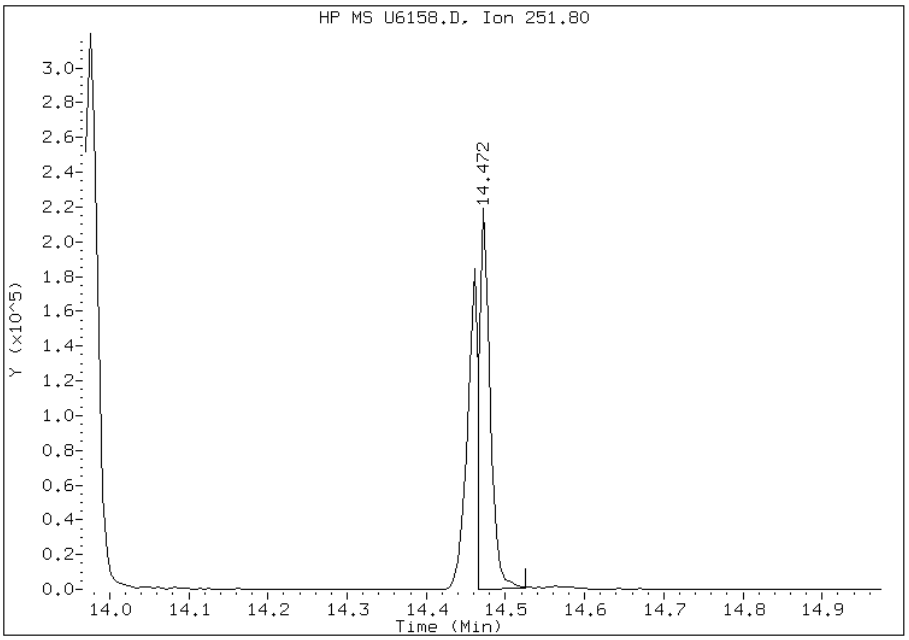
Processing Integration Results

RT: 14.47

Response: 203011

Amount: 16

Conc: 1039



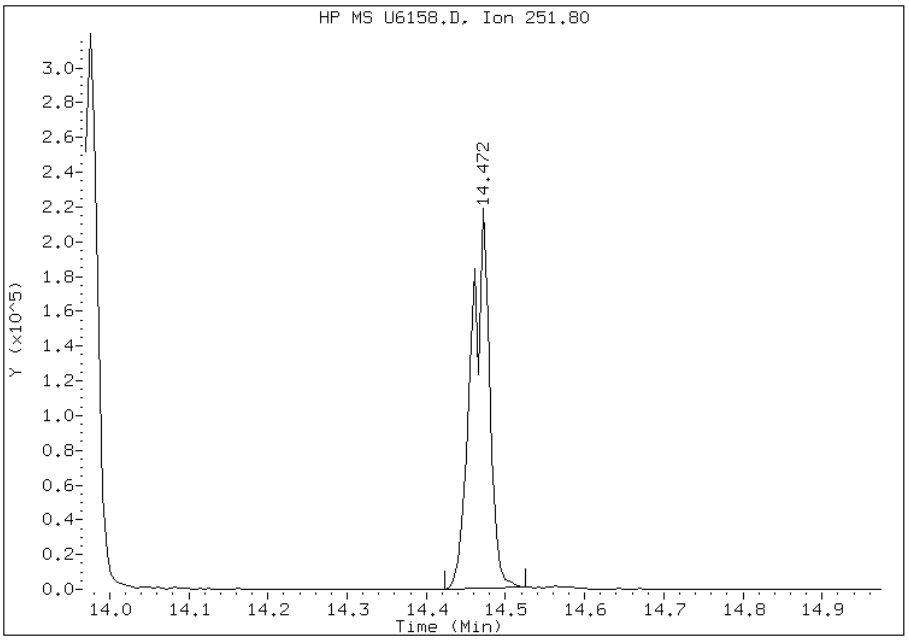
Manual Integration Results

RT: 14.47

Response: 344472

Amount: 26

Conc: 1762



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: U6158.D
Inj. Date and Time: 03-AUG-2011 15:02
Instrument ID: msu.i
Client ID: LCS 220-53507/2-A
Compound: 79 Perylene-d12
CAS #: 1520-96-3
Report Date: 08/04/2011

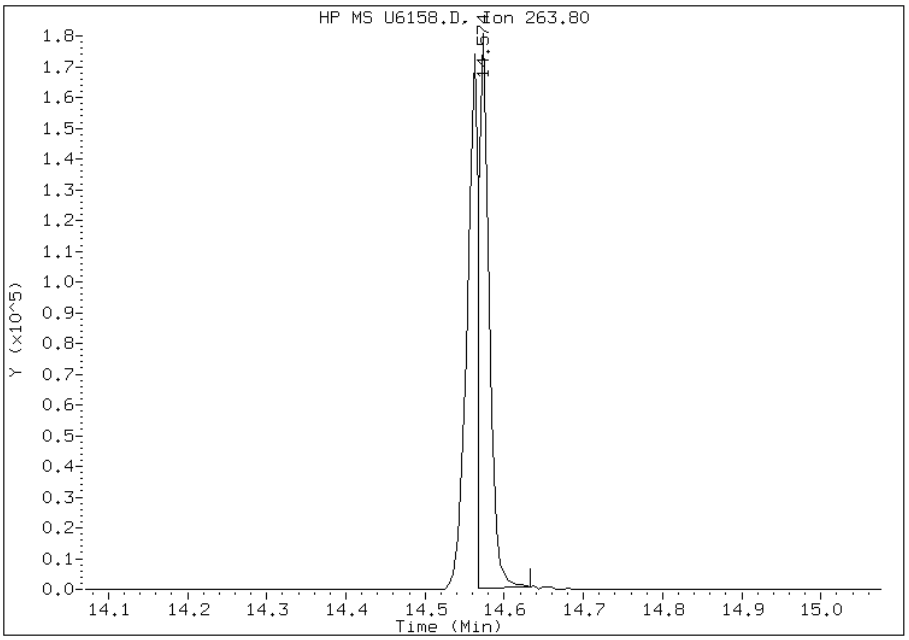
Processing Integration Results

RT: 14.57

Response: 164004

Amount: 20

Conc: 1333



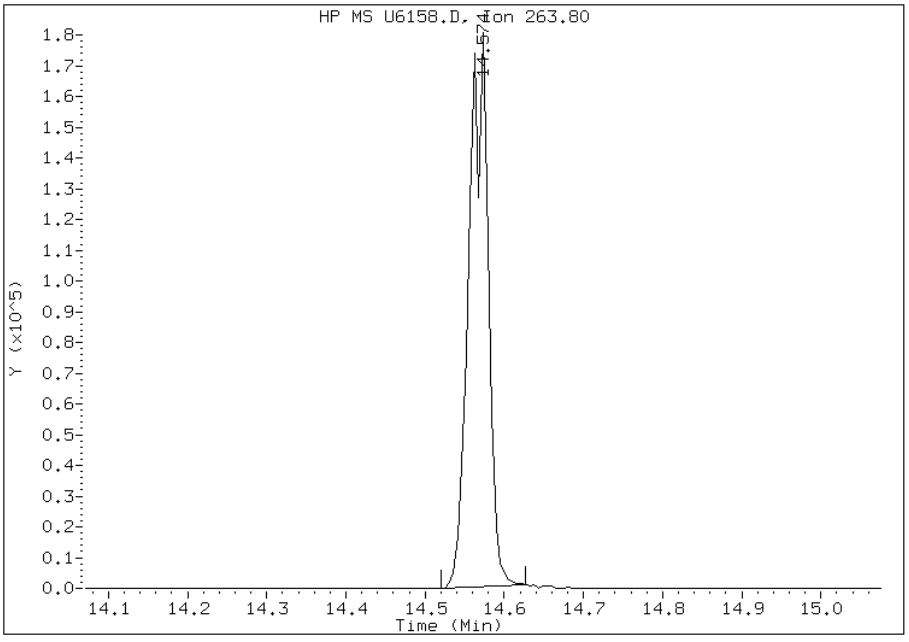
Manual Integration Results

RT: 14.57

Response: 303384

Amount: 20

Conc: 1333



Manually Integrated By: conbna
Manual Integration Reason: Incorrect peak integration

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: MSU Start Date: 07/28/2011 08:25

Analysis Batch Number: 53400 End Date: 07/28/2011 18:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53400/8		07/28/2011 08:25	1	Us6057.D	RXi-5MS 0.25(mm)
ICIS 220-53400/1		07/28/2011 08:48	1	U6058.D	RXi-5MS 0.25(mm)
IC 220-53400/2		07/28/2011 09:20	1	U6059.D	RXi-5MS 0.25(mm)
IC 220-53400/3		07/28/2011 09:50	1	U6060.D	RXi-5MS 0.25(mm)
IC 220-53400/4		07/28/2011 10:19	1	U6061.D	RXi-5MS 0.25(mm)
IC 220-53400/5		07/28/2011 10:48	1	U6062.D	RXi-5MS 0.25(mm)
IC 220-53400/6		07/28/2011 11:17	1	U6063.D	RXi-5MS 0.25(mm)
IC 220-53400/7		07/28/2011 11:47	1	U6064.D	RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 13:14	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 13:43	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 14:12	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 15:10	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 15:38	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 16:07	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 16:36	1		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 17:04	400		RXi-5MS 0.25(mm)
ZZZZZ		07/28/2011 18:02	1		RXi-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: MSU Start Date: 08/02/2011 10:16

Analysis Batch Number: 53551 End Date: 08/02/2011 21:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53551/5		08/02/2011 10:16	1	Us6104.D	RXi-5MS 0.25(mm)
CCVIS 220-53551/1		08/02/2011 10:37	1	U6105.D	RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 11:09	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 11:38	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 12:37	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 13:07	2		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 13:37	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 14:06	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 14:36	4		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 15:06	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 15:35	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 16:05	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 16:34	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 17:02	5		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 17:32	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 18:00	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 18:29	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 18:57	1		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 19:27	4		RXi-5MS 0.25(mm)
ZZZZZ		08/02/2011 19:55	1		RXi-5MS 0.25(mm)
220-16087-1	SB SE-9-S 13'-15'	08/02/2011 21:22	1	U6127.D	RXi-5MS 0.25(mm)
220-16087-2	SB SE-9-D 18.5'-20'	08/02/2011 21:50	1	U6128.D	RXi-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: MSU Start Date: 08/03/2011 10:18

Analysis Batch Number: 53606 End Date: 08/03/2011 21:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53606/8		08/03/2011 10:18	1	Us6148.D	RXi-5MS 0.25(mm)
ICIS 220-53606/1		08/03/2011 10:34	1	U6149.D	RXi-5MS 0.25(mm)
IC 220-53606/2		08/03/2011 11:10	1	U6150.D	RXi-5MS 0.25(mm)
IC 220-53606/3		08/03/2011 11:40	1	U6151.D	RXi-5MS 0.25(mm)
IC 220-53606/4		08/03/2011 12:09	1	U6152.D	RXi-5MS 0.25(mm)
IC 220-53606/5		08/03/2011 12:37	1	U6153.D	RXi-5MS 0.25(mm)
IC 220-53606/6		08/03/2011 13:06	1	U6154.D	RXi-5MS 0.25(mm)
IC 220-53606/7		08/03/2011 13:36	1	U6155.D	RXi-5MS 0.25(mm)
MB 220-53507/1-A		08/03/2011 14:34	1	U6157.D	RXi-5MS 0.25(mm)
LCS 220-53507/2-A		08/03/2011 15:02	1	U6158.D	RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 15:31	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 16:00	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 16:29	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 16:57	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 17:26	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 17:54	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 18:24	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 18:52	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 19:21	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 19:50	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 20:19	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 20:47	1		RXi-5MS 0.25(mm)
ZZZZZ		08/03/2011 21:16	1		RXi-5MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Batch Number: 53507 Batch Start Date: 08/01/11 14:36 Batch Analyst: Piscitelli, Gerald H

Batch Method: 3541 Batch End Date: 08/02/11 10:33

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EWBNAFMS 00047	EWBNASUR 00073	EWBNASUR 00074	EWRCPLCS 00023
MB 220-53507/1		3541, 8270C		15 g	1 mL			500 uL	
LCS 220-53507/2		3541, 8270C		15 g	1 mL	400 uL		500 uL	400 uL
220-16087-B-1	SB SE-9-S 13'-15'	3541, 8270C	T	15.06 g	1 mL		500 uL		
220-16087-B-2	SB SE-9-D 18.5'-20'	3541, 8270C	T	15.07 g	1 mL		500 uL		

Batch Notes	
Balance ID	35451
Person's name who did the concentration	gerald piscitelli
Vendor lot number	ecmecl2ace-50
Na2SO4 Lot Number	ena2so4-116
Person's name who did the prep	gerald piscitelli
Person's name who witnessed reagent drop	self
Solvent	mecl2:acetone 1:1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-16087-1

SDG No.:

Project: Cooper Tank

Client Sample ID	Lab Sample ID
SB SE-9-S 13'-15'	220-16087-1
SB SE-9-D 18.5'-20'	220-16087-2

Comments:

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 07/25/2011 10:37 End Date: 07/25/2011 12:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
220-16087-1	1	T	10:37	X	X																		
220-16087-2	1	T	10:37	X	X																		
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			10:37																				
ZZZZZZ			12:40																				
ZZZZZZ			12:40																				
ZZZZZZ			12:40																				
ZZZZZZ			12:40																				
ZZZZZZ			12:40																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16087-1

SDG No.:

Batch Number: 53239 Batch Start Date: 07/25/11 10:37 Batch Analyst: Bouthot, Agnieszka

Batch Method: Moisture Batch End Date: 07/26/11 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
220-16087-B-1	SB SE-9-S 13'-15'	Moisture	T	1.01 g	6.90 g	5.74 g			
220-16087-B-2	SB SE-9-D 18.5'-20'	Moisture	T	1.01 g	8.64 g	7.37 g			

Batch Notes	
Balance ID	t1 No Unit
Date samples were placed in the oven	7/25/11
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	11:00
Date samples were removed from oven	7/26/11
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	9:00
Oven ID	ov2
ID number of the thermometer	ov2
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Scott Narod	**Field Sampler:** Scott Narod	**TAT Required (business days):** Standard	**Lab PM/Contact:** Jackie Tridell	**COC Number:** 19169
Company: GF	**Mobile/Field Number:** 646-961-8603		**Lab Job Number (Lab Use Only):** 110087	**Page** 1 **of** 1
Address: 100 Crossways Park Dr West Suite 300	**E-Mail:** SNarod@gfnet.com	**Deliverable Type (Report/EDD):** pdf	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No	**Carrier Tracking Notes:** IR-4
City, State, Zip: Woodbury NY	**PO #:**	**Sample Disposal:** [ ] Return to Client [ ] Disposal by Lab [X] Archive for 1 Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** 2.8	
Phone: 646-961-8603	**WO #:**			
Email: SNarod@gfnet.com	**Project #:** 5339.006	**State Regulatory QC Criteria / Requirements:** NYSDEC CP51 + Part 375 SCO	**Analysis (Attach list if more space is needed)**	
Project Name/Site Location (State): Cooper (NY)	**SSOW#:**			

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

No. of Containers/Preservatives

Page #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix (Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other)	MS/ MSD (Yes or No)	Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other: Ice	8260 VOCs Standard + CP51	8270 SVOCs CP51								Comments
Page 379 of 380	SBSE-9S 13'-15'	7/22/11	1015	S	No							X	X	X								
2	SBSE-9D 18.5-20'	7/22/11	1100	S	No							X	X	X								

Relinquished by:	**Date/Time:** 7/22/11 1315	**Company** GF	**Received by:**	**Date/Time:** 7/22/11 @ 1315	**Company** TAL CT
Relinquished by:	**Date/Time:** 7/22/11 @ 1705	**Company** TAL CT	**Received by:**	**Date/Time:** 7/22/11 1705	**Company** TACT
Relinquished by:	**Date/Time:**	**Company**	**Received by:**	**Date/Time:**	**Company**
Comments:					

08/28/2011

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

Login Sample Receipt Checklist

Client: Gannett Fleming

Job Number: 220-16087-1

Login Number: 16087
List Number: 1
Creator: Culik, Marie E

List Source: TestAmerica Connecticut

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	SEE NARRATIVE
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-16095-1

Job Description: Cooper Tank

For:
Gannett Fleming
100 Crossways Park West
Suite 300
Woodbury, NY 11797

Attention: Mr. Scott Narod

Approved for release.
Cheryl Cascella
Project Manager I
8/9/2011 11:45 AM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
08/09/2011

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

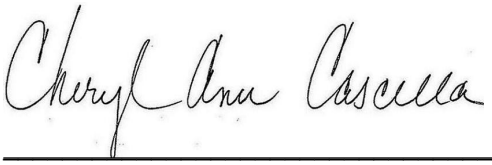
TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Number: 220-16095-1

Job Description: Cooper Tank

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Cheryl Cascella
Project Manager I
8/9/2011 11:45 AM

Designee for
Jackie Trudell

Table of Contents

Table of Contents

Job Narrative
220-16095-1

Comments
No additional comments.

Receipt
The following Trip Blank sample was received with headspace in 3 of 3 vials: Trip Blank (220-16095-4). The expiration date for this Trip Blank is 07/22/11 and may be a contributing factor. The client was contacted on 7/26/11 and the laboratory was instructed to proceed with analysis.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: Internal standard (ISTD) response for the following sample was outside control limits: SB SE-11S 2.5'-3.5' (220-16095-1). The sample was re-analyzed with concurring results. The original set of data has been reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

(Ax)(IS)(DF)
(AIS)(RRF)(V)(% solids) = C

(AX)(IS)(VT)(1000)(DF)
(AIS)(RRF)(VA)(V)(% solids) = C (for medium level soils)

SemiVolatiles

(AX)(IS)(VE)(DF)(GPC factor is 2 if needed)
(AIS)(RRF)(volume injected)(V)(% solids) = C

Pesticides

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

PCBs for compound/retention time

(AX)(VE)(DF)
(RRF of compound at the stated retention time)(V)(% solids)(volume injected) = C

DRO/CTETPH

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

AX = area of the target Ion
AIS = Area of Internal standard
C = concentration as ug/L or ug/Kg
DF = dilution
IS = Internal standard concentration (ng)
RRF = average RF (from initial cal except CLP methods from continuing cal)
V = sample volume for liquids in mls or sample weight for solids in grams
VA = volume of aliquot for medium level soils
VE = volume of concentrated extract
VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-16095-1	SB SE-11S 2.5'-3.5'	Solid	07/25/2011 1015	07/25/2011 1715
220-16095-2	SB SE 11D 22.5'-25'	Solid	07/25/2011 1215	07/25/2011 1715
220-16095-3	SB MW-B	Water	07/25/2011 1145	07/25/2011 1715
220-16095-4TB	Trip Blank	Water	07/25/2011 0000	07/25/2011 1715

EXECUTIVE SUMMARY - Detections

Client: Gannett Fleming Job Number: 220-16095-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
220-16095-1	**SB SE-11S 2.5'-3.5'**					
Carbon disulfide		2.9	J	5.7	ug/Kg	8260B
Methylene Chloride		10	J B	23	ug/Kg	8260B
Acetone		34		23	ug/Kg	8260B
Toluene		0.74	J	5.7	ug/Kg	8260B
Naphthalene		1.7	J	5.7	ug/Kg	8260B
Xylenes, Total		1.2	J	5.7	ug/Kg	8260B
m&p-Xylene		0.85	J	5.7	ug/Kg	8260B
o-Xylene		0.38	J	5.7	ug/Kg	8260B
Naphthalene		360	J	620	ug/Kg	8270C
Acenaphthene		220	J	620	ug/Kg	8270C
Fluorene		290	J	620	ug/Kg	8270C
Phenanthrene		2000		620	ug/Kg	8270C
Anthracene		480	J	620	ug/Kg	8270C
Pyrene		4200		620	ug/Kg	8270C
Benzo[a]anthracene		1600	B	620	ug/Kg	8270C
Chrysene		1900		620	ug/Kg	8270C
Benzo[b]fluoranthene		2400		620	ug/Kg	8270C
Benzo[k]fluoranthene		1100		620	ug/Kg	8270C
Benzo[a]pyrene		2000		620	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		2500		620	ug/Kg	8270C
Dibenz(a,h)anthracene		610	J	620	ug/Kg	8270C
Benzo[g,h,i]perylene		2900		620	ug/Kg	8270C
Fluoranthene		3200		620	ug/Kg	8270C
Acenaphthylene		140	J	620	ug/Kg	8270C
Percent Moisture		12.7		0.10	%	Moisture
Percent Solids		87.3		0.10	%	Moisture
220-16095-2	**SB SE 11D 22.5'-25'**					
Methylene Chloride		12	J B	22	ug/Kg	8260B
Acetone		7.1	J	22	ug/Kg	8260B
Methyl tert-butyl ether		0.34	J	5.6	ug/Kg	8260B
Percent Moisture		10.4		0.10	%	Moisture
Percent Solids		89.6		0.10	%	Moisture
220-16095-3	**SB MW-B**					
Acetone		1.6	J B	10	ug/L	8260B
220-16095-4TB	**TRIP BLANK**					
Methylene Chloride		2.7	J B	5.0	ug/L	8260B

METHOD SUMMARY

Client: Gannett Fleming Job Number: 220-16095-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Percent Moisture	TAL CT	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL CT	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Gannett Fleming

Job Number: 220-16095-1

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Bouthot, Agnieszka	AB

Client: Gannett Fleming | Job Number: 220-16095-1

Client Sample ID: **SB SE-11S 2.5'-3.5'**

Lab Sample ID: 220-16095-1 | Date Sampled: 07/25/2011 1015
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4015.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1933			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1933				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		5.7	U	0.89	5.7
Vinyl chloride		5.7	U	0.26	5.7
Bromomethane		5.7	U	2.4	5.7
Chloroethane		5.7	U	1.1	5.7
1,1-Dichloroethene		5.7	U	0.66	5.7
Carbon disulfide		2.9	J	0.47	5.7
Methylene Chloride		10	J B	1.2	23
Acetone		34		2.6	23
trans-1,2-Dichloroethene		5.7	U	0.45	5.7
1,1-Dichloroethane		5.7	U	0.34	5.7
cis-1,2-Dichloroethene		5.7	U	0.42	5.7
Chloroform		5.7	U	0.39	5.7
1,1,1-Trichloroethane		5.7	U	0.61	5.7
Carbon tetrachloride		5.7	U	1.1	5.7
2-Butanone (MEK)		11	U	1.8	11
Benzene		5.7	U	0.65	5.7
1,2-Dichloroethane		5.7	U	0.66	5.7
Trichloroethene		5.7	U	0.93	5.7
Dibromomethane		5.7	U	0.73	5.7
1,2-Dichloropropane		5.7	U	0.77	5.7
Bromodichloromethane		5.7	U	0.34	5.7
cis-1,3-Dichloropropene		5.7	U	0.64	5.7
trans-1,3-Dichloropropene		5.7	U	0.31	5.7
1,1,2-Trichloroethane		5.7	U	0.42	5.7
Toluene		0.74	J	0.085	5.7
methyl isobutyl ketone		5.7	U	0.63	5.7
Tetrachloroethene		5.7	U	0.93	5.7
2-Hexanone		11	U	1.4	11
Chlorobenzene		5.7	U	0.68	5.7
1,1,1,2-Tetrachloroethane		5.7	U	0.60	5.7
Ethylbenzene		5.7	U	0.80	5.7
Styrene		5.7	U	0.17	5.7
Bromoform		5.7	U	0.70	5.7
Isopropylbenzene		5.7	U	0.22	5.7
N-Propylbenzene		5.7	U	0.70	5.7
1,3,5-Trimethylbenzene		5.7	U	0.57	5.7
tert-Butylbenzene		5.7	U	0.33	5.7
1,2,4-Trimethylbenzene		5.7	U	0.87	5.7
sec-Butylbenzene		5.7	U	0.61	5.7
p-Isopropyltoluene		5.7	U	0.61	5.7
n-Butylbenzene		5.7	U	1.3	5.7
Naphthalene		1.7	J	0.33	5.7
Xylenes, Total		1.2	J	0.56	5.7
m&p-Xylene		0.85	J	0.40	5.7
o-Xylene		0.38	J	0.22	5.7
Methyl tert-butyl ether		5.7	U	0.24	5.7

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **SB SE-11S 2.5'-3.5'**

Lab Sample ID: 220-16095-1
Client Matrix: Solid
% Moisture: 12.7

Date Sampled: 07/25/2011 1015
Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4015.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1933			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1933				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		59 - 132
4-Bromofluorobenzene	100		34 - 124
Dibromofluoromethane	84		59 - 123
Toluene-d8 (Surr)	91		50 - 118

Client: Gannett Fleming | Job Number: 220-16095-1

Client Sample ID: **SB SE 11D 22.5'-25'**

Lab Sample ID: 220-16095-2 | Date Sampled: 07/25/2011 1215
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4016.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1959				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		5.6	U	0.87	5.6
Vinyl chloride		5.6	U	0.26	5.6
Bromomethane		5.6	U	2.3	5.6
Chloroethane		5.6	U	1.1	5.6
1,1-Dichloroethene		5.6	U	0.65	5.6
Carbon disulfide		5.6	U	0.46	5.6
Methylene Chloride		12	J B	1.2	22
Acetone		7.1	J	2.5	22
trans-1,2-Dichloroethene		5.6	U	0.44	5.6
1,1-Dichloroethane		5.6	U	0.33	5.6
cis-1,2-Dichloroethene		5.6	U	0.41	5.6
Chloroform		5.6	U	0.38	5.6
1,1,1-Trichloroethane		5.6	U	0.59	5.6
Carbon tetrachloride		5.6	U	1.1	5.6
2-Butanone (MEK)		11	U	1.8	11
Benzene		5.6	U	0.64	5.6
1,2-Dichloroethane		5.6	U	0.65	5.6
Trichloroethene		5.6	U	0.90	5.6
Dibromomethane		5.6	U	0.71	5.6
1,2-Dichloropropane		5.6	U	0.75	5.6
Bromodichloromethane		5.6	U	0.33	5.6
cis-1,3-Dichloropropene		5.6	U	0.62	5.6
trans-1,3-Dichloropropene		5.6	U	0.30	5.6
1,1,2-Trichloroethane		5.6	U	0.41	5.6
Toluene		5.6	U	0.083	5.6
methyl isobutyl ketone		5.6	U	0.61	5.6
Tetrachloroethene		5.6	U	0.90	5.6
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.6	U	0.66	5.6
1,1,1,2-Tetrachloroethane		5.6	U	0.58	5.6
Ethylbenzene		5.6	U	0.78	5.6
Styrene		5.6	U	0.17	5.6
Bromoform		5.6	U	0.68	5.6
Isopropylbenzene		5.6	U	0.21	5.6
N-Propylbenzene		5.6	U	0.68	5.6
1,3,5-Trimethylbenzene		5.6	U	0.56	5.6
tert-Butylbenzene		5.6	U	0.32	5.6
1,2,4-Trimethylbenzene		5.6	U	0.85	5.6
sec-Butylbenzene		5.6	U	0.59	5.6
p-Isopropyltoluene		5.6	U	0.59	5.6
n-Butylbenzene		5.6	U	1.3	5.6
Naphthalene		5.6	U	0.32	5.6
Xylenes, Total		5.6	U	0.54	5.6
m&p-Xylene		5.6	U	0.39	5.6
o-Xylene		5.6	U	0.21	5.6
Methyl tert-butyl ether		0.34	J	0.23	5.6

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **SB SE 11D 22.5'-25'**

Lab Sample ID: 220-16095-2
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 07/25/2011 1215
Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53434	Instrument ID:	MSN
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N4016.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1959			Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1959				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		59 - 132
4-Bromofluorobenzene	105		34 - 124
Dibromofluoromethane	91		59 - 123
Toluene-d8 (Surr)	96		50 - 118

Client: Gannett Fleming | Job Number: 220-16095-1

Client Sample ID: **SB MW-B**

Lab Sample ID: 220-16095-3 | Date Sampled: 07/25/2011 1145
Client Matrix: Water | Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53359	Instrument ID:	MSW
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	W3581.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1519			Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1519				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	5.0	U	1.1	5.0
Vinyl chloride	5.0	U	0.99	5.0
Bromomethane	5.0	U	2.1	5.0
Chloroethane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
Carbon disulfide	5.0	U	0.90	5.0
Methylene Chloride	5.0	U	0.78	5.0
Acetone	1.6	J B	1.0	10
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
Chloroform	5.0	U	0.67	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
2-Butanone (MEK)	10	U	1.1	10
Benzene	5.0	U	0.74	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
Trichloroethene	5.0	U	0.62	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
Bromodichloromethane	5.0	U	0.48	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Toluene	5.0	U	0.72	5.0
methyl isobutyl ketone	10	U	0.38	10
Tetrachloroethene	5.0	U	0.81	5.0
2-Hexanone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
Ethylbenzene	5.0	U	0.87	5.0
Styrene	5.0	U	0.64	5.0
Bromoform	5.0	U	0.46	5.0
Isopropylbenzene	5.0	U	0.85	5.0
N-Propylbenzene	5.0	U	0.62	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
p-Isopropyltoluene	5.0	U	0.81	5.0
n-Butylbenzene	5.0	U	0.67	5.0
Naphthalene	5.0	U	0.34	5.0
Xylenes, Total	5.0	U	2.3	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0
Methyl tert-butyl ether	5.0	U	0.17	5.0

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **SB MW-B**

Lab Sample ID: 220-16095-3
Client Matrix: Water

Date Sampled: 07/25/2011 1145
Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53359	Instrument ID:	MSW
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	W3581.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1519			Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1519				

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane	87		68 - 132
1,2-Dichloroethane-d4 (Surr)	87		65 - 136
Toluene-d8 (Surr)	86		63 - 127
4-Bromofluorobenzene	91		51 - 142

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 220-16095-4TB
Client Matrix: Water

Date Sampled: 07/25/2011 0000
Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53359	Instrument ID:	MSW
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	W3578.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1403			Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1403				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	5.0	U	1.1	5.0
Vinyl chloride	5.0	U	0.99	5.0
Bromomethane	5.0	U	2.1	5.0
Chloroethane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
Carbon disulfide	5.0	U	0.90	5.0
Methylene Chloride	2.7	J B	0.78	5.0
Acetone	10	U	1.0	10
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
Chloroform	5.0	U	0.67	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
2-Butanone (MEK)	10	U	1.1	10
Benzene	5.0	U	0.74	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
Trichloroethene	5.0	U	0.62	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
Bromodichloromethane	5.0	U	0.48	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Toluene	5.0	U	0.72	5.0
methyl isobutyl ketone	10	U	0.38	10
Tetrachloroethene	5.0	U	0.81	5.0
2-Hexanone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
Ethylbenzene	5.0	U	0.87	5.0
Styrene	5.0	U	0.64	5.0
Bromoform	5.0	U	0.46	5.0
Isopropylbenzene	5.0	U	0.85	5.0
N-Propylbenzene	5.0	U	0.62	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
p-Isopropyltoluene	5.0	U	0.81	5.0
n-Butylbenzene	5.0	U	0.67	5.0
Naphthalene	5.0	U	0.34	5.0
Xylenes, Total	5.0	U	2.3	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0
Methyl tert-butyl ether	5.0	U	0.17	5.0

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 220-16095-4TB
Client Matrix: Water

Date Sampled: 07/25/2011 0000
Date Received: 07/25/2011 1715

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	220-53359	Instrument ID:	MSW
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	W3578.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1403			Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1403				

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane	89		68 - 132
1,2-Dichloroethane-d4 (Surr)	90		65 - 136
Toluene-d8 (Surr)	88		63 - 127
4-Bromofluorobenzene	93		51 - 142

Client: Gannett Fleming | Job Number: 220-16095-1

Client Sample ID: **SB SE-11S 2.5'-3.5'**

Lab Sample ID: 220-16095-1 | Date Sampled: 07/25/2011 1015
Client Matrix: Solid | % Moisture: 12.7 | Date Received: 07/25/2011 1715

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	220-53686	Instrument ID:	MSC
Prep Method:	3541	Prep Batch:	220-53541	Lab File ID:	C24678.D
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/05/2011 1328			Final Weight/Volume:	1 mL
Prep Date:	08/02/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		360	J	32	620
Acenaphthene		220	J	37	620
Fluorene		290	J	37	620
Phenanthrene		2000		30	620
Anthracene		480	J	24	620
Pyrene		4200		29	620
Benzo[a]anthracene		1600	B	22	620
Chrysene		1900		46	620
Benzo[b]fluoranthene		2400		17	620
Benzo[k]fluoranthene		1100		55	620
Benzo[a]pyrene		2000		17	620
Indeno[1,2,3-cd]pyrene		2500		40	620
Dibenz(a,h)anthracene		610	J	49	620
Benzo[g,h,i]perylene		2900		40	620
Fluoranthene		3200		31	620
Acenaphthylene		140	J	30	620

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	70		38 - 120
2-Fluorobiphenyl	71		41 - 120
Terphenyl-d14	101		32 - 125

Client: Gannett Fleming | Job Number: 220-16095-1

Client Sample ID: **SB SE 11D 22.5'-25'**

Lab Sample ID: 220-16095-2 | Date Sampled: 07/25/2011 1215
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 07/25/2011 1715

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	220-53666	Instrument ID:	MSC
Prep Method:	3541	Prep Batch:	220-53541	Lab File ID:	C24658.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/04/2011 1618			Final Weight/Volume:	1 mL
Prep Date:	08/02/2011 1109			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		300	U	16	300
Acenaphthene		300	U	18	300
Fluorene		300	U	18	300
Phenanthrene		300	U	15	300
Anthracene		300	U	12	300
Pyrene		300	U	14	300
Benzo[a]anthracene		300	U	11	300
Chrysene		300	U	22	300
Benzo[b]fluoranthene		300	U	8.0	300
Benzo[k]fluoranthene		300	U	27	300
Benzo[a]pyrene		300	U	8.1	300
Indeno[1,2,3-cd]pyrene		300	U	20	300
Dibenz(a,h)anthracene		300	U	24	300
Benzo[g,h,i]perylene		300	U	20	300
Fluoranthene		300	U	15	300
Acenaphthylene		300	U	15	300

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	84		38 - 120
2-Fluorobiphenyl	85		41 - 120
Terphenyl-d14	90		32 - 125

Client: Gannett Fleming

Job Number: 220-16095-1

Client Sample ID: **SB MW-B**

Lab Sample ID: 220-16095-3
Client Matrix: Water

Date Sampled: 07/25/2011 1145
Date Received: 07/25/2011 1715

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	220-53500	Instrument ID:	MSZ
Prep Method:	3510C	Prep Batch:	220-53330	Lab File ID:	Z21929.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/01/2011 1622			Final Weight/Volume:	1.0 mL
Prep Date:	07/27/2011 0939			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	4.0	U	0.30	4.0
Acenaphthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Phenanthrene	4.0	U	0.28	4.0
Anthracene	4.0	U	0.29	4.0
Pyrene	4.0	U	0.33	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Chrysene	4.0	U	0.25	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Fluoranthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		40 - 120
2-Fluorobiphenyl	68		39 - 120
Terphenyl-d14	81		10 - 120

General Chemistry

Client Sample ID: **SB SE-11S 2.5'-3.5'**

Lab Sample ID: 220-16095-1 Date Sampled: 07/25/2011 1015
Client Matrix: Solid Date Received: 07/25/2011 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53314	Analysis Date: 07/26/2011 1523						DryWt Corrected: N
Percent Solids	87.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53314	Analysis Date: 07/26/2011 1523						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB SE 11D 22.5'-25'**

Lab Sample ID: 220-16095-2 Date Sampled: 07/25/2011 1215
Client Matrix: Solid Date Received: 07/25/2011 1715

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53314	Analysis Date: 07/26/2011 1523						DryWt Corrected: N
Percent Solids	89.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 220-53314	Analysis Date: 07/26/2011 1523						DryWt Corrected: N

Client: Gannett Fleming

Job Number: 220-16095-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
220-16095-1	SB SE-11S 2.5'-3.5'	84	92	91	100
220-16095-2	SB SE 11D 22.5'-25'	91	92	96	105
MB 220-53434/3		83	83	89	97
LCS 220-53434/2		91	88	94	102

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	59-123
DCA = 1,2-Dichloroethane-d4 (Surr)	59-132
TOL = Toluene-d8 (Surr)	50-118
BFB = 4-Bromofluorobenzene	34-124

Client: Gannett Fleming

Job Number: 220-16095-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
220-16095-3	SB MW-B	87	87	86	91
220-16095-4	Trip Blank	89	90	88	93
MB 220-53359/3		87	86	88	88
LCS 220-53359/2		89	88	89	90

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	68-132
DCA = 1,2-Dichloroethane-d4 (Surr)	65-136
TOL = Toluene-d8 (Surr)	63-127
BFB = 4-Bromofluorobenzene	51-142

Client: Gannett Fleming

Job Number: 220-16095-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
220-16095-1	SB SE-11S 2.5'-3.5'	70	71	101
220-16095-2	SB SE 11D 22.5'-25'	84	85	90
MB 220-53541/1-A		77	76	81
LCS 220-53541/2-A		84	84	84

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-120
FBP = 2-Fluorobiphenyl	41-120
TPH = Terphenyl-d14	32-125

Client: Gannett Fleming

Job Number: 220-16095-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
220-16095-3	SB MW-B	68	68	81
MB 220-53330/1-A		70	68	81
LCS 220-53330/2-A		76	77	94

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	40-120
FBP = 2-Fluorobiphenyl	39-120
TPH = Terphenyl-d14	10-120

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53359

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53359/3	Analysis Batch:	220-53359	Instrument ID:	MSW
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	W3577.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1338	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1338				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	5.0	U	1.1	5.0
Vinyl chloride	5.0	U	0.99	5.0
Bromomethane	5.0	U	2.1	5.0
Chloroethane	5.0	U	1.1	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
Carbon disulfide	5.0	U	0.90	5.0
Methylene Chloride	1.47	J	0.78	5.0
Acetone	1.44	J	1.0	10
trans-1,2-Dichloroethene	5.0	U	0.76	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
Chloroform	5.0	U	0.67	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
2-Butanone (MEK)	10	U	1.1	10
Benzene	5.0	U	0.74	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
Trichloroethene	5.0	U	0.62	5.0
Dibromomethane	5.0	U	0.70	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
Bromodichloromethane	5.0	U	0.48	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Toluene	5.0	U	0.72	5.0
methyl isobutyl ketone	10	U	0.38	10
Tetrachloroethene	5.0	U	0.81	5.0
2-Hexanone	10	U	1.1	10
Chlorobenzene	5.0	U	0.72	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.93	5.0
Ethylbenzene	5.0	U	0.87	5.0
Styrene	5.0	U	0.64	5.0
Bromoform	5.0	U	0.46	5.0
Isopropylbenzene	5.0	U	0.85	5.0
N-Propylbenzene	5.0	U	0.62	5.0
1,3,5-Trimethylbenzene	5.0	U	0.53	5.0
tert-Butylbenzene	5.0	U	0.75	5.0
1,2,4-Trimethylbenzene	5.0	U	0.64	5.0
sec-Butylbenzene	5.0	U	0.79	5.0
p-Isopropyltoluene	5.0	U	0.81	5.0
n-Butylbenzene	5.0	U	0.67	5.0
Naphthalene	5.0	U	0.34	5.0
Xylenes, Total	5.0	U	2.3	5.0
m&p-Xylene	5.0	U	1.7	5.0
o-Xylene	5.0	U	0.66	5.0

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53359

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53359/3	Analysis Batch:	220-53359	Instrument ID:	MSW
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	W3577.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1338	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1338				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	5.0	U	0.17	5.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	87	68 - 132
1,2-Dichloroethane-d4 (Surr)	86	65 - 136
Toluene-d8 (Surr)	88	63 - 127
4-Bromofluorobenzene	88	51 - 142

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53359

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53359/2	Analysis Batch:	220-53359	Instrument ID:	MSW
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	W3573.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1157	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1157				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	10.0	10.4	104	33 - 150	
Vinyl chloride	10.0	10.3	103	61 - 150	
Bromomethane	10.0	12.7	127	47 - 150	
Chloroethane	10.0	10.4	104	49 - 150	
1,1-Dichloroethene	10.0	9.46	95	65 - 142	
Carbon disulfide	10.0	9.30	93	55 - 150	
Methylene Chloride	10.0	8.25	83	56 - 138	
Acetone	10.0	6.83	68	41 - 150	J
trans-1,2-Dichloroethene	10.0	9.49	95	58 - 120	
1,1-Dichloroethane	10.0	9.60	96	75 - 130	
cis-1,2-Dichloroethene	10.0	9.17	92	65 - 120	
Chloroform	10.0	9.04	90	77 - 126	
1,1,1-Trichloroethane	10.0	9.86	99	73 - 135	
Carbon tetrachloride	10.0	10.5	105	69 - 135	
2-Butanone (MEK)	10.0	8.44	84	42 - 150	J
Benzene	10.0	9.41	94	66 - 131	
1,2-Dichloroethane	10.0	9.86	99	73 - 127	
Trichloroethene	10.0	8.84	88	60 - 122	
Dibromomethane	10.0	9.20	92	70 - 120	
1,2-Dichloropropane	10.0	9.30	93	69 - 129	
Bromodichloromethane	10.0	9.45	94	78 - 120	
cis-1,3-Dichloropropene	10.0	8.82	88	63 - 120	
trans-1,3-Dichloropropene	10.0	9.19	92	73 - 120	
1,1,2-Trichloroethane	10.0	8.79	88	76 - 125	
Toluene	10.0	9.42	94	66 - 120	
methyl isobutyl ketone	10.0	10.0	100	70 - 122	
Tetrachloroethene	10.0	9.88	99	50 - 120	
2-Hexanone	10.0	9.56	96	46 - 150	J
Chlorobenzene	10.0	9.43	94	68 - 120	
1,1,1,2-Tetrachloroethane	10.0	9.43	94	76 - 120	
Ethylbenzene	10.0	9.05	90	62 - 120	
Styrene	10.0	9.21	92	47 - 120	
Bromoform	10.0	9.31	93	66 - 120	
Isopropylbenzene	10.0	9.59	96	48 - 122	
N-Propylbenzene	10.0	9.85	99	54 - 120	
1,3,5-Trimethylbenzene	10.0	10.1	101	50 - 120	
tert-Butylbenzene	10.0	9.87	99	50 - 121	
1,2,4-Trimethylbenzene	10.0	9.80	98	52 - 120	
sec-Butylbenzene	10.0	9.83	98	52 - 124	
p-Isopropyltoluene	10.0	9.64	96	46 - 120	
n-Butylbenzene	10.0	9.53	95	35 - 124	
Naphthalene	10.0	7.97	80	38 - 120	
Xylenes, Total	30.0	27.5	92	58 - 120	
m&p-Xylene	20.0	18.5	93	58 - 120	
o-Xylene	10.0	9.00	90	53 - 120	
Methyl tert-butyl ether	10.0	8.78	88	79 - 122	

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53359

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53359/2	Analysis Batch:	220-53359	Instrument ID:	MSW
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	W3573.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/26/2011 1157	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/26/2011 1157				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	89	68 - 132
1,2-Dichloroethane-d4 (Surr)	88	65 - 136
Toluene-d8 (Surr)	89	63 - 127
4-Bromofluorobenzene	90	51 - 142

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53434/3	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N4001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1224	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1224				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	5.0	U	0.78	5.0
Vinyl chloride	5.0	U	0.23	5.0
Bromomethane	5.0	U	2.1	5.0
Chloroethane	5.0	U	0.98	5.0
1,1-Dichloroethene	5.0	U	0.58	5.0
Carbon disulfide	5.0	U	0.41	5.0
Methylene Chloride	5.03	J	1.1	20
Acetone	20	U	2.2	20
trans-1,2-Dichloroethene	5.0	U	0.39	5.0
1,1-Dichloroethane	5.0	U	0.30	5.0
cis-1,2-Dichloroethene	5.0	U	0.37	5.0
Chloroform	5.0	U	0.34	5.0
1,1,1-Trichloroethane	5.0	U	0.53	5.0
Carbon tetrachloride	5.0	U	0.95	5.0
2-Butanone (MEK)	10	U	1.6	10
Benzene	5.0	U	0.57	5.0
1,2-Dichloroethane	5.0	U	0.58	5.0
Trichloroethene	5.0	U	0.81	5.0
Dibromomethane	5.0	U	0.64	5.0
1,2-Dichloropropane	5.0	U	0.67	5.0
Bromodichloromethane	5.0	U	0.30	5.0
cis-1,3-Dichloropropene	5.0	U	0.56	5.0
trans-1,3-Dichloropropene	5.0	U	0.27	5.0
1,1,2-Trichloroethane	5.0	U	0.37	5.0
Toluene	5.0	U	0.074	5.0
methyl isobutyl ketone	5.0	U	0.55	5.0
Tetrachloroethene	5.0	U	0.81	5.0
2-Hexanone	10	U	1.2	10
Chlorobenzene	5.0	U	0.59	5.0
1,1,1,2-Tetrachloroethane	5.0	U	0.52	5.0
Ethylbenzene	5.0	U	0.70	5.0
Styrene	5.0	U	0.15	5.0
Bromoform	5.0	U	0.61	5.0
Isopropylbenzene	5.0	U	0.19	5.0
N-Propylbenzene	5.0	U	0.61	5.0
1,3,5-Trimethylbenzene	5.0	U	0.50	5.0
tert-Butylbenzene	5.0	U	0.29	5.0
1,2,4-Trimethylbenzene	5.0	U	0.76	5.0
sec-Butylbenzene	5.0	U	0.53	5.0
p-Isopropyltoluene	5.0	U	0.53	5.0
n-Butylbenzene	5.0	U	1.1	5.0
Naphthalene	5.0	U	0.29	5.0
Xylenes, Total	5.0	U	0.49	5.0
m&p-Xylene	5.0	U	0.35	5.0
o-Xylene	5.0	U	0.19	5.0

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 220-53434/3	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N4001.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1224	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1224				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Methyl tert-butyl ether	5.0	U	0.21	5.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	83	59 - 123
1,2-Dichloroethane-d4 (Surr)	83	59 - 132
Toluene-d8 (Surr)	89	50 - 118
4-Bromofluorobenzene	97	34 - 124

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53434/2	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N3998.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	16.5	82	69 - 143	
Vinyl chloride	20.0	17.8	89	70 - 137	
Bromomethane	20.0	27.1	136	83 - 150	
Chloroethane	20.0	21.2	106	54 - 150	
1,1-Dichloroethene	20.0	18.9	94	80 - 144	
Carbon disulfide	20.0	16.6	83	80 - 142	
Methylene Chloride	20.0	20.4	102	68 - 147	
Acetone	20.0	23.7	119	80 - 150	
trans-1,2-Dichloroethene	20.0	19.7	99	50 - 149	
1,1-Dichloroethane	20.0	18.8	94	78 - 130	
cis-1,2-Dichloroethene	20.0	19.4	97	80 - 122	
Chloroform	20.0	19.5	98	74 - 142	
1,1,1-Trichloroethane	20.0	18.9	95	80 - 136	
Carbon tetrachloride	20.0	18.0	90	80 - 137	
2-Butanone (MEK)	20.0	22.3	111	80 - 150	
Benzene	20.0	18.8	94	80 - 133	
1,2-Dichloroethane	20.0	20.0	100	76 - 130	
Trichloroethene	20.0	17.7	89	71 - 129	
Dibromomethane	20.0	19.9	100	78 - 132	
1,2-Dichloropropane	20.0	18.8	94	78 - 127	
Bromodichloromethane	20.0	19.0	95	74 - 126	
cis-1,3-Dichloropropene	20.0	18.6	93	67 - 125	
trans-1,3-Dichloropropene	20.0	18.3	91	61 - 126	
1,1,2-Trichloroethane	20.0	20.2	101	59 - 146	
Toluene	20.0	17.8	89	65 - 121	
methyl isobutyl ketone	20.0	21.1	105	74 - 136	
Tetrachloroethene	20.0	17.1	85	67 - 120	
2-Hexanone	20.0	20.9	104	76 - 150	
Chlorobenzene	20.0	18.0	90	73 - 120	
1,1,1,2-Tetrachloroethane	20.0	17.5	88	72 - 120	
Ethylbenzene	20.0	17.7	89	72 - 120	
Styrene	20.0	17.9	89	59 - 120	
Bromoform	20.0	19.0	95	65 - 120	
Isopropylbenzene	20.0	17.0	85	65 - 120	
N-Propylbenzene	20.0	17.1	86	63 - 120	
1,3,5-Trimethylbenzene	20.0	17.2	86	62 - 120	
tert-Butylbenzene	20.0	17.2	86	66 - 120	
1,2,4-Trimethylbenzene	20.0	17.6	88	63 - 120	
sec-Butylbenzene	20.0	17.1	86	65 - 120	
p-Isopropyltoluene	20.0	16.9	85	63 - 120	
n-Butylbenzene	20.0	16.0	80	58 - 120	
Naphthalene	20.0	16.7	84	67 - 124	
Xylenes, Total	60.0	53.7	90	71 - 120	
m&p-Xylene	40.0	35.9	90	71 - 120	
o-Xylene	20.0	17.8	89	69 - 120	
Methyl tert-butyl ether	20.0	19.8	99	88 - 148	

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53434

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 220-53434/2	Analysis Batch:	220-53434	Instrument ID:	MSN
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N3998.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/27/2011 1045	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/27/2011 1045				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane	91	59 - 123
1,2-Dichloroethane-d4 (Surr)	88	59 - 132
Toluene-d8 (Surr)	94	50 - 118
4-Bromofluorobenzene	102	34 - 124

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53330

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 220-53330/1-A	Analysis Batch:	220-53500	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-53330	Lab File ID:	Z21914.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/01/2011 0942	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/27/2011 0937			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	4.0	U	0.30	4.0
Acenaphthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Phenanthrene	4.0	U	0.28	4.0
Anthracene	4.0	U	0.29	4.0
Pyrene	4.0	U	0.33	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Chrysene	4.0	U	0.25	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Fluoranthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	70	40 - 120
2-Fluorobiphenyl	68	39 - 120
Terphenyl-d14	81	10 - 120

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53330

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 220-53330/2-A	Analysis Batch:	220-53500	Instrument ID:	MSZ
Client Matrix:	Water	Prep Batch:	220-53330	Lab File ID:	Z21915.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/01/2011 1010	Units:	ug/L	Final Weight/Volume:	1.0 mL
Prep Date:	07/27/2011 0937			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	40.0	26.9	67	42 - 120	
Acenaphthene	40.0	33.5	84	52 - 120	
Fluorene	40.0	36.8	92	61 - 120	
Phenanthrene	40.0	36.9	92	63 - 120	
Anthracene	40.0	37.4	94	60 - 120	
Pyrene	40.0	37.3	93	62 - 120	
Benzo[a]anthracene	40.0	37.2	93	60 - 120	
Chrysene	40.0	37.4	93	59 - 120	
Benzo[b]fluoranthene	40.0	35.4	89	59 - 120	
Benzo[k]fluoranthene	40.0	37.2	93	58 - 120	
Benzo[a]pyrene	40.0	37.1	93	51 - 120	
Indeno[1,2,3-cd]pyrene	40.0	36.7	92	48 - 120	
Dibenz(a,h)anthracene	40.0	38.8	97	47 - 120	
Benzo[g,h,i]perylene	40.0	38.3	96	48 - 120	
Fluoranthene	40.0	37.7	94	56 - 120	
Acenaphthylene	40.0	33.3	83	52 - 120	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	76	40 - 120
2-Fluorobiphenyl	77	39 - 120
Terphenyl-d14	94	10 - 120

Client: Gannett Fleming

Job Number: 220-16095-1

Method Blank - Batch: 220-53541

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 220-53541/1-A	Analysis Batch:	220-53666	Instrument ID:	MSC
Client Matrix:	Solid	Prep Batch:	220-53541	Lab File ID:	C24651.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15 g
Analysis Date:	08/04/2011 1242	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/02/2011 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	270	U	14	270
Acenaphthene	270	U	16	270
Fluorene	270	U	16	270
Phenanthrene	270	U	13	270
Anthracene	270	U	11	270
Pyrene	270	U	13	270
Benzo[a]anthracene	9.71	J	9.6	270
Chrysene	270	U	20	270
Benzo[b]fluoranthene	270	U	7.2	270
Benzo[k]fluoranthene	270	U	24	270
Benzo[a]pyrene	270	U	7.3	270
Indeno[1,2,3-cd]pyrene	270	U	18	270
Dibenz(a,h)anthracene	270	U	21	270
Benzo[g,h,i]perylene	270	U	18	270
Fluoranthene	270	U	13	270
Acenaphthylene	270	U	13	270

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	77	38 - 120
2-Fluorobiphenyl	76	41 - 120
Terphenyl-d14	81	32 - 125

Client: Gannett Fleming

Job Number: 220-16095-1

Lab Control Sample - Batch: 220-53541

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 220-53541/2-A	Analysis Batch:	220-53666	Instrument ID:	MSC
Client Matrix:	Solid	Prep Batch:	220-53541	Lab File ID:	C24652.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15 g
Analysis Date:	08/04/2011 1313	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/02/2011 1109			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	2670	2240	84	55 - 120	
Acenaphthene	2670	2210	83	57 - 120	
Fluorene	2670	2270	85	58 - 120	
Phenanthrene	2670	2230	83	58 - 120	
Anthracene	2670	2270	85	58 - 120	
Pyrene	2670	2240	84	54 - 121	
Benzo[a]anthracene	2670	2250	84	58 - 120	
Chrysene	2670	2200	83	57 - 120	
Benzo[b]fluoranthene	2670	2120	79	54 - 120	
Benzo[k]fluoranthene	2670	2270	85	53 - 120	
Benzo[a]pyrene	2670	2210	83	44 - 120	
Indeno[1,2,3-cd]pyrene	2670	1480	56	37 - 120	
Dibenz(a,h)anthracene	2670	1690	64	39 - 120	
Benzo[g,h,i]perylene	2670	1510	57	37 - 120	
Fluoranthene	2670	2310	87	57 - 120	
Acenaphthylene	2670	2290	86	57 - 120	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	84	38 - 120
2-Fluorobiphenyl	84	41 - 120
Terphenyl-d14	84	32 - 125

DATA REPORTING QUALIFIERS

Client: Gannett Fleming Job Number: 220-16095-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.

Client: Gannett Fleming

Job Number: 220-16095-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-53359					
LCS 220-53359/2	Lab Control Sample	T	Water	8260B	
MB 220-53359/3	Method Blank	T	Water	8260B	
220-16095-3	SB MW-B	T	Water	8260B	
220-16095-4TB	Trip Blank	T	Water	8260B	
Analysis Batch:220-53434					
LCS 220-53434/2	Lab Control Sample	T	Solid	8260B	
MB 220-53434/3	Method Blank	T	Solid	8260B	
220-16095-1	SB SE-11S 2.5'-3.5'	T	Solid	8260B	
220-16095-2	SB SE 11D 22.5'-25'	T	Solid	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-53330					
LCS 220-53330/2-A	Lab Control Sample	T	Water	3510C	
MB 220-53330/1-A	Method Blank	T	Water	3510C	
220-16095-3	SB MW-B	T	Water	3510C	
Analysis Batch:220-53500					
LCS 220-53330/2-A	Lab Control Sample	T	Water	8270C	220-53330
MB 220-53330/1-A	Method Blank	T	Water	8270C	220-53330
220-16095-3	SB MW-B	T	Water	8270C	220-53330
Prep Batch: 220-53541					
LCS 220-53541/2-A	Lab Control Sample	T	Solid	3541	
MB 220-53541/1-A	Method Blank	T	Solid	3541	
220-16095-1	SB SE-11S 2.5'-3.5'	T	Solid	3541	
220-16095-2	SB SE 11D 22.5'-25'	T	Solid	3541	
Analysis Batch:220-53666					
LCS 220-53541/2-A	Lab Control Sample	T	Solid	8270C	220-53541
MB 220-53541/1-A	Method Blank	T	Solid	8270C	220-53541
220-16095-2	SB SE 11D 22.5'-25'	T	Solid	8270C	220-53541
Analysis Batch:220-53686					
220-16095-1	SB SE-11S 2.5'-3.5'	T	Solid	8270C	220-53541

Report Basis
T = Total

Client: Gannett Fleming

Job Number: 220-16095-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-53314					
220-16095-1	SB SE-11S 2.5'-3.5'	T	Solid	Moisture	
220-16095-2	SB SE 11D 22.5'-25'	T	Solid	Moisture	

Report Basis
T = Total

Client: Gannett Fleming Job Number: 220-16095-1

Laboratory Chronicle

Lab ID: 220-16095-1 **Client ID: SB SE-11S 2.5'-3.5'**

Sample Date/Time: 07/25/2011 10:15 Received Date/Time: 07/25/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16095-A-1		220-53434		07/27/2011 19:33	1	TAL CT	DH
A:8260B	220-16095-A-1		220-53434		07/27/2011 19:33	1	TAL CT	DH
P:3541	220-16095-B-1-A		220-53686	220-53541	08/02/2011 11:09	2	TAL CT	GHP
A:8270C	220-16095-B-1-A		220-53686	220-53541	08/05/2011 13:28	2	TAL CT	SJ
A:Moisture	220-16095-B-1		220-53314		07/26/2011 15:23	1	TAL CT	AB

Lab ID: 220-16095-2 **Client ID: SB SE 11D 22.5'-25'**

Sample Date/Time: 07/25/2011 12:15 Received Date/Time: 07/25/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16095-A-2		220-53434		07/27/2011 19:59	1	TAL CT	DH
A:8260B	220-16095-A-2		220-53434		07/27/2011 19:59	1	TAL CT	DH
P:3541	220-16095-B-2-A		220-53666	220-53541	08/02/2011 11:09	1	TAL CT	GHP
A:8270C	220-16095-B-2-A		220-53666	220-53541	08/04/2011 16:18	1	TAL CT	SJ
A:Moisture	220-16095-B-2		220-53314		07/26/2011 15:23	1	TAL CT	AB

Lab ID: 220-16095-3 **Client ID: SB MW-B**

Sample Date/Time: 07/25/2011 11:45 Received Date/Time: 07/25/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16095-A-3		220-53359		07/26/2011 15:19	1	TAL CT	BK
A:8260B	220-16095-A-3		220-53359		07/26/2011 15:19	1	TAL CT	BK
P:3510C	220-16095-D-3-A		220-53500	220-53330	07/27/2011 09:39	1	TAL CT	GHP
A:8270C	220-16095-D-3-A		220-53500	220-53330	08/01/2011 16:22	1	TAL CT	SJ

Lab ID: 220-16095-4 **Client ID: Trip Blank**

Sample Date/Time: 07/25/2011 00:00 Received Date/Time: 07/25/2011 17:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-16095-A-4		220-53359		07/26/2011 14:03	1	TAL CT	BK
A:8260B	220-16095-A-4		220-53359		07/26/2011 14:03	1	TAL CT	BK

Client: Gannett Fleming

Job Number: 220-16095-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 220-53359/3		220-53359		07/26/2011 13:38	1	TAL CT	BK
A:8260B	MB 220-53359/3		220-53359		07/26/2011 13:38	1	TAL CT	BK
P:5030B	MB 220-53434/3		220-53434		07/27/2011 12:24	1	TAL CT	DH
A:8260B	MB 220-53434/3		220-53434		07/27/2011 12:24	1	TAL CT	DH
P:3510C	MB 220-53330/1-A		220-53500	220-53330	07/27/2011 09:37	1	TAL CT	GHP
A:8270C	MB 220-53330/1-A		220-53500	220-53330	08/01/2011 09:42	1	TAL CT	SJ
P:3541	MB 220-53541/1-A		220-53666	220-53541	08/02/2011 11:09	1	TAL CT	GHP
A:8270C	MB 220-53541/1-A		220-53666	220-53541	08/04/2011 12:42	1	TAL CT	SJ

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 220-53359/2		220-53359		07/26/2011 11:57	1	TAL CT	BK
A:8260B	LCS 220-53359/2		220-53359		07/26/2011 11:57	1	TAL CT	BK
P:5030B	LCS 220-53434/2		220-53434		07/27/2011 10:45	1	TAL CT	DH
A:8260B	LCS 220-53434/2		220-53434		07/27/2011 10:45	1	TAL CT	DH
P:3510C	LCS 220-53330/2-A		220-53500	220-53330	07/27/2011 09:37	1	TAL CT	GHP
A:8270C	LCS 220-53330/2-A		220-53500	220-53330	08/01/2011 10:10	1	TAL CT	SJ
P:3541	LCS 220-53541/2-A		220-53666	220-53541	08/02/2011 11:09	1	TAL CT	GHP
A:8270C	LCS 220-53541/2-A		220-53666	220-53541	08/04/2011 13:13	1	TAL CT	SJ

Lab References:

TAL CT = TestAmerica Connecticut

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RTX-VMS ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB SE-11S 2.5'-3.5'	220-16095-1	84	92	91	100
SB SE 11D 22.5'-25'	220-16095-2	91	92	96	105
	MB 220-53434/3	83	83	89	97
	LCS 220-53434/2	91	88	94	102

	QC LIMITS
DBFM = Dibromofluoromethane	59-123
DCA = 1,2-Dichloroethane-d4 (Surr)	59-132
TOL = Toluene-d8 (Surr)	50-118
BFB = 4-Bromofluorobenzene	34-124

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-VMS ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
SB MW-B	220-16095-3	87	87	86	91
Trip Blank	220-16095-4	89	90	88	93
	MB 220-53359/3	87	86	88	88
	LCS 220-53359/2	89	88	89	90

	QC LIMITS
DBFM = Dibromofluoromethane	68-132
DCA = 1,2-Dichloroethane-d4 (Surr)	65-136
TOL = Toluene-d8 (Surr)	63-127
BFB = 4-Bromofluorobenzene	51-142

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W3573.D

Lab ID: LCS 220-53359/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	10.0	10.4	104	33-150	
Vinyl chloride	10.0	10.3	103	61-150	
Bromomethane	10.0	12.7	127	47-150	
Chloroethane	10.0	10.4	104	49-150	
1,1-Dichloroethene	10.0	9.46	95	65-142	
Carbon disulfide	10.0	9.30	93	55-150	
Methylene Chloride	10.0	8.25	83	56-138	
Acetone	10.0	6.83 J	68	41-150	
trans-1,2-Dichloroethene	10.0	9.49	95	58-120	
1,1-Dichloroethane	10.0	9.60	96	75-130	
cis-1,2-Dichloroethene	10.0	9.17	92	65-120	
Chloroform	10.0	9.04	90	77-126	
1,1,1-Trichloroethane	10.0	9.86	99	73-135	
Carbon tetrachloride	10.0	10.5	105	69-135	
2-Butanone (MEK)	10.0	8.44 J	84	42-150	
Benzene	10.0	9.41	94	66-131	
1,2-Dichloroethane	10.0	9.86	99	73-127	
Trichloroethene	10.0	8.84	88	60-122	
Dibromomethane	10.0	9.20	92	70-120	
1,2-Dichloropropane	10.0	9.30	93	69-129	
Bromodichloromethane	10.0	9.45	94	78-120	
cis-1,3-Dichloropropene	10.0	8.82	88	63-120	
trans-1,3-Dichloropropene	10.0	9.19	92	73-120	
1,1,2-Trichloroethane	10.0	8.79	88	76-125	
Toluene	10.0	9.42	94	66-120	
methyl isobutyl ketone	10.0	10.0	100	70-122	
Tetrachloroethene	10.0	9.88	99	50-120	
2-Hexanone	10.0	9.56 J	96	46-150	
Chlorobenzene	10.0	9.43	94	68-120	
1,1,1,2-Tetrachloroethane	10.0	9.43	94	76-120	
Ethylbenzene	10.0	9.05	90	62-120	
Styrene	10.0	9.21	92	47-120	
Bromoform	10.0	9.31	93	66-120	
Isopropylbenzene	10.0	9.59	96	48-122	
N-Propylbenzene	10.0	9.85	99	54-120	
1,3,5-Trimethylbenzene	10.0	10.1	101	50-120	
tert-Butylbenzene	10.0	9.87	99	50-121	
1,2,4-Trimethylbenzene	10.0	9.80	98	52-120	
sec-Butylbenzene	10.0	9.83	98	52-124	
p-Isopropyltoluene	10.0	9.64	96	46-120	
n-Butylbenzene	10.0	9.53	95	35-124	
Naphthalene	10.0	7.97	80	38-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W3573.D

Lab ID: LCS 220-53359/2 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	30.0	27.5	92	58-120	
m&p-Xylene	20.0	18.5	93	58-120	
o-Xylene	10.0	9.00	90	53-120	
Methyl tert-butyl ether	10.0	8.78	88	79-122	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: N3998.D

Lab ID: LCS 220-53434/2 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	16.5	82	69-143	
Vinyl chloride	20.0	17.8	89	70-137	
Bromomethane	20.0	27.1	136	83-150	
Chloroethane	20.0	21.2	106	54-150	
1,1-Dichloroethene	20.0	18.9	94	80-144	
Carbon disulfide	20.0	16.6	83	80-142	
Methylene Chloride	20.0	20.4	102	68-147	
Acetone	20.0	23.7	119	80-150	
trans-1,2-Dichloroethene	20.0	19.7	99	50-149	
1,1-Dichloroethane	20.0	18.8	94	78-130	
cis-1,2-Dichloroethene	20.0	19.4	97	80-122	
Chloroform	20.0	19.5	98	74-142	
1,1,1-Trichloroethane	20.0	18.9	95	80-136	
Carbon tetrachloride	20.0	18.0	90	80-137	
2-Butanone (MEK)	20.0	22.3	111	80-150	
Benzene	20.0	18.8	94	80-133	
1,2-Dichloroethane	20.0	20.0	100	76-130	
Trichloroethene	20.0	17.7	89	71-129	
Dibromomethane	20.0	19.9	100	78-132	
1,2-Dichloropropane	20.0	18.8	94	78-127	
Bromodichloromethane	20.0	19.0	95	74-126	
cis-1,3-Dichloropropene	20.0	18.6	93	67-125	
trans-1,3-Dichloropropene	20.0	18.3	91	61-126	
1,1,2-Trichloroethane	20.0	20.2	101	59-146	
Toluene	20.0	17.8	89	65-121	
methyl isobutyl ketone	20.0	21.1	105	74-136	
Tetrachloroethene	20.0	17.1	85	67-120	
2-Hexanone	20.0	20.9	104	76-150	
Chlorobenzene	20.0	18.0	90	73-120	
1,1,1,2-Tetrachloroethane	20.0	17.5	88	72-120	
Ethylbenzene	20.0	17.7	89	72-120	
Styrene	20.0	17.9	89	59-120	
Bromoform	20.0	19.0	95	65-120	
Isopropylbenzene	20.0	17.0	85	65-120	
N-Propylbenzene	20.0	17.1	86	63-120	
1,3,5-Trimethylbenzene	20.0	17.2	86	62-120	
tert-Butylbenzene	20.0	17.2	86	66-120	
1,2,4-Trimethylbenzene	20.0	17.6	88	63-120	
sec-Butylbenzene	20.0	17.1	86	65-120	
p-Isopropyltoluene	20.0	16.9	85	63-120	
n-Butylbenzene	20.0	16.0	80	58-120	
Naphthalene	20.0	16.7	84	67-124	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: N3998.D

Lab ID: LCS 220-53434/2 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Xylenes, Total	60.0	53.7	90	71-120	
m&p-Xylene	40.0	35.9	90	71-120	
o-Xylene	20.0	17.8	89	69-120	
Methyl tert-butyl ether	20.0	19.8	99	88-148	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: W3577.D Lab Sample ID: MB 220-53359/3

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: MSW Date Analyzed: 07/26/2011 13:38

GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53359/2	W3573.D	07/26/2011 11:57
Trip Blank	220-16095-4	W3578.D	07/26/2011 14:03
SB MW-B	220-16095-3	W3581.D	07/26/2011 15:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: N4001.D Lab Sample ID: MB 220-53434/3

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: MSN Date Analyzed: 07/27/2011 12:24

GC Column: RTX-VMS ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53434/2	N3998.D	07/27/2011 10:45
SB SE-11S 2.5'-3.5'	220-16095-1	N4015.D	07/27/2011 19:33
SB SE 11D 22.5'-25'	220-16095-2	N4016.D	07/27/2011 19:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: NB907.D BFB Injection Date: 07/13/2011

Instrument ID: MSN BFB Injection Time: 16:46

Analysis Batch No.: 52848

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	38.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	76.3	
175	5.0 - 9.0 % of mass 174	5.6	(7.3)1
176	95.0 - 101.0 % of mass 174	73.8	(96.8)1
177	5.0 - 9.0 % of mass 176	4.9	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 220-52848/1	N3724.D	07/13/2011	17:15
	IC 220-52848/2	N3725.D	07/13/2011	17:41
	IC 220-52848/3	N3726.D	07/13/2011	18:21
	IC 220-52848/4	N3727.D	07/13/2011	18:46
	IC 220-52848/5	N3728.D	07/13/2011	19:11
	IC 220-52848/6	N3729.D	07/13/2011	19:37

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: NB918.D BFB Injection Date: 07/27/2011

Instrument ID: MSN BFB Injection Time: 09:24

Analysis Batch No.: 53434

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	38.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.0	
175	5.0 - 9.0 % of mass 174	5.5	(7.4)1
176	95.0 - 101.0 % of mass 174	71.2	(96.2)1
177	5.0 - 9.0 % of mass 176	4.7	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53434/1	N3997.D	07/27/2011	09:47
	LCS 220-53434/2	N3998.D	07/27/2011	10:45
	MB 220-53434/3	N4001.D	07/27/2011	12:24
SB SE-11S 2.5'-3.5'	220-16095-1	N4015.D	07/27/2011	19:33
SB SE 11D 22.5'-25'	220-16095-2	N4016.D	07/27/2011	19:59

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: WB951.D BFB Injection Date: 07/19/2011

Instrument ID: MSW BFB Injection Time: 14:53

Analysis Batch No.: 53090

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
75	30.0 - 60.0 % of mass 95	50.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	89.7	
175	5.0 - 9.0 % of mass 174	7.3	(8.1)1
176	95.0 - 101.0 % of mass 174	87.5	(97.5)1
177	5.0 - 9.0 % of mass 176	5.6	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 220-53090/1	W3409.D	07/19/2011	15:40
	IC 220-53090/2	W3410.D	07/19/2011	16:05
	ICIS 220-53090/3	W3411.D	07/19/2011	16:31
	IC 220-53090/4	W3412.D	07/19/2011	16:56
	IC 220-53090/5	W3413.D	07/19/2011	17:22
	IC 220-53090/6	W3414.D	07/19/2011	17:47

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: WB956.D BFB Injection Date: 07/26/2011

Instrument ID: MSW BFB Injection Time: 11:10

Analysis Batch No.: 53359

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.5	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	1.1	(1.3)1
174	50.0 - 120.00 % of mass 95	85.7	
175	5.0 - 9.0 % of mass 174	7.0	(8.2)1
176	95.0 - 101.0 % of mass 174	84.0	(98.0)1
177	5.0 - 9.0 % of mass 176	5.6	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53359/1	W3572.D	07/26/2011	11:19
	LCS 220-53359/2	W3573.D	07/26/2011	11:57
	MB 220-53359/3	W3577.D	07/26/2011	13:38
Trip Blank	220-16095-4	W3578.D	07/26/2011	14:03
SB MW-B	220-16095-3	W3581.D	07/26/2011	15:19

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: CCVIS 220-53434/1 Date Analyzed: 07/27/2011 09:47

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm)

Lab File ID (Standard): N3997.D Heated Purge: (Y/N) Y

Calibration ID: 11460

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		623962	4.79	540501	7.87	221190	9.93
UPPER LIMIT		1247924	5.29	1081002	8.37	442380	10.43
LOWER LIMIT		311981	4.29	270251	7.37	110595	9.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-53434/2		604071	4.78	518898	7.87	213448	9.92
MB 220-53434/3		622785	4.79	525122	7.87	210548	9.92
220-16095-1	SB SE-11S 2.5'-3.5'	597025	4.78	503147	7.87	206145	9.93
220-16095-2	SB SE 11D 22.5'-25'	575191	4.78	484261	7.87	193230	9.92

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: CCVIS 220-53359/1 Date Analyzed: 07/26/2011 11:19

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm)

Lab File ID (Standard): W3572.D Heated Purge: (Y/N) N

Calibration ID: 11541

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		883343	4.36	697036	8.10	377950	10.72
UPPER LIMIT		1766686	4.86	1394072	8.60	755900	11.22
LOWER LIMIT		441672	3.86	348518	7.60	188975	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 220-53359/2		887893	4.36	696774	8.10	373186	10.72
MB 220-53359/3		895249	4.36	681097	8.10	359382	10.72
220-16095-4	Trip Blank	879010	4.37	669562	8.10	338476	10.72
220-16095-3	SB MW-B	861882	4.37	660076	8.10	340609	10.72

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE-11S 2.5'-3.5' | Lab Sample ID: 220-16095-1

Matrix: Solid | Lab File ID: N4015.D

Analysis Method: 8260B | Date Collected: 07/25/2011 10:15

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 19:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.7	U	5.7	0.89
75-01-4	Vinyl chloride	5.7	U	5.7	0.26
74-83-9	Bromomethane	5.7	U	5.7	2.4
75-00-3	Chloroethane	5.7	U	5.7	1.1
75-35-4	1,1-Dichloroethene	5.7	U	5.7	0.66
75-15-0	Carbon disulfide	2.9	J	5.7	0.47
75-09-2	Methylene Chloride	10	J B	23	1.2
67-64-1	Acetone	34		23	2.6
156-60-5	trans-1,2-Dichloroethene	5.7	U	5.7	0.45
75-34-3	1,1-Dichloroethane	5.7	U	5.7	0.34
156-59-2	cis-1,2-Dichloroethene	5.7	U	5.7	0.42
67-66-3	Chloroform	5.7	U	5.7	0.39
71-55-6	1,1,1-Trichloroethane	5.7	U	5.7	0.61
56-23-5	Carbon tetrachloride	5.7	U	5.7	1.1
78-93-3	2-Butanone (MEK)	11	U	11	1.8
71-43-2	Benzene	5.7	U	5.7	0.65
107-06-2	1,2-Dichloroethane	5.7	U	5.7	0.66
79-01-6	Trichloroethene	5.7	U	5.7	0.93
74-95-3	Dibromomethane	5.7	U	5.7	0.73
78-87-5	1,2-Dichloropropane	5.7	U	5.7	0.77
75-27-4	Bromodichloromethane	5.7	U	5.7	0.34
10061-01-5	cis-1,3-Dichloropropene	5.7	U	5.7	0.64
10061-02-6	trans-1,3-Dichloropropene	5.7	U	5.7	0.31
79-00-5	1,1,2-Trichloroethane	5.7	U	5.7	0.42
108-88-3	Toluene	0.74	J	5.7	0.085
108-10-1	methyl isobutyl ketone	5.7	U	5.7	0.63
127-18-4	Tetrachloroethene	5.7	U	5.7	0.93
591-78-6	2-Hexanone	11	U	11	1.4
108-90-7	Chlorobenzene	5.7	U	5.7	0.68
630-20-6	1,1,1,2-Tetrachloroethane	5.7	U	5.7	0.60
100-41-4	Ethylbenzene	5.7	U	5.7	0.80
100-42-5	Styrene	5.7	U	5.7	0.17
75-25-2	Bromoform	5.7	U	5.7	0.70
98-82-8	Isopropylbenzene	5.7	U	5.7	0.22
103-65-1	N-Propylbenzene	5.7	U	5.7	0.70
108-67-8	1,3,5-Trimethylbenzene	5.7	U	5.7	0.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE-11S 2.5'-3.5' | Lab Sample ID: 220-16095-1

Matrix: Solid | Lab File ID: N4015.D

Analysis Method: 8260B | Date Collected: 07/25/2011 10:15

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 19:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.7	U	5.7	0.33
95-63-6	1,2,4-Trimethylbenzene	5.7	U	5.7	0.87
135-98-8	sec-Butylbenzene	5.7	U	5.7	0.61
99-87-6	p-Isopropyltoluene	5.7	U	5.7	0.61
104-51-8	n-Butylbenzene	5.7	U	5.7	1.3
91-20-3	Naphthalene	1.7	J	5.7	0.33
1330-20-7	Xylenes, Total	1.2	J	5.7	0.56
179601-23-1	m&p-Xylene	0.85	J	5.7	0.40
95-47-6	o-Xylene	0.38	J	5.7	0.22
1634-04-4	Methyl tert-butyl ether	5.7	U	5.7	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		59-132
460-00-4	4-Bromofluorobenzene	100		34-124
1868-53-7	Dibromofluoromethane	84		59-123
2037-26-5	Toluene-d8 (Surr)	91		50-118

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\N4015.D
Lab Smp Id: 220-16095-A-1 Client Smp ID: SB SE-11S 2.5'-3.5'
Inj Date : 27-JUL-2011 19:33 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : 220-16095-A-1
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 71
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

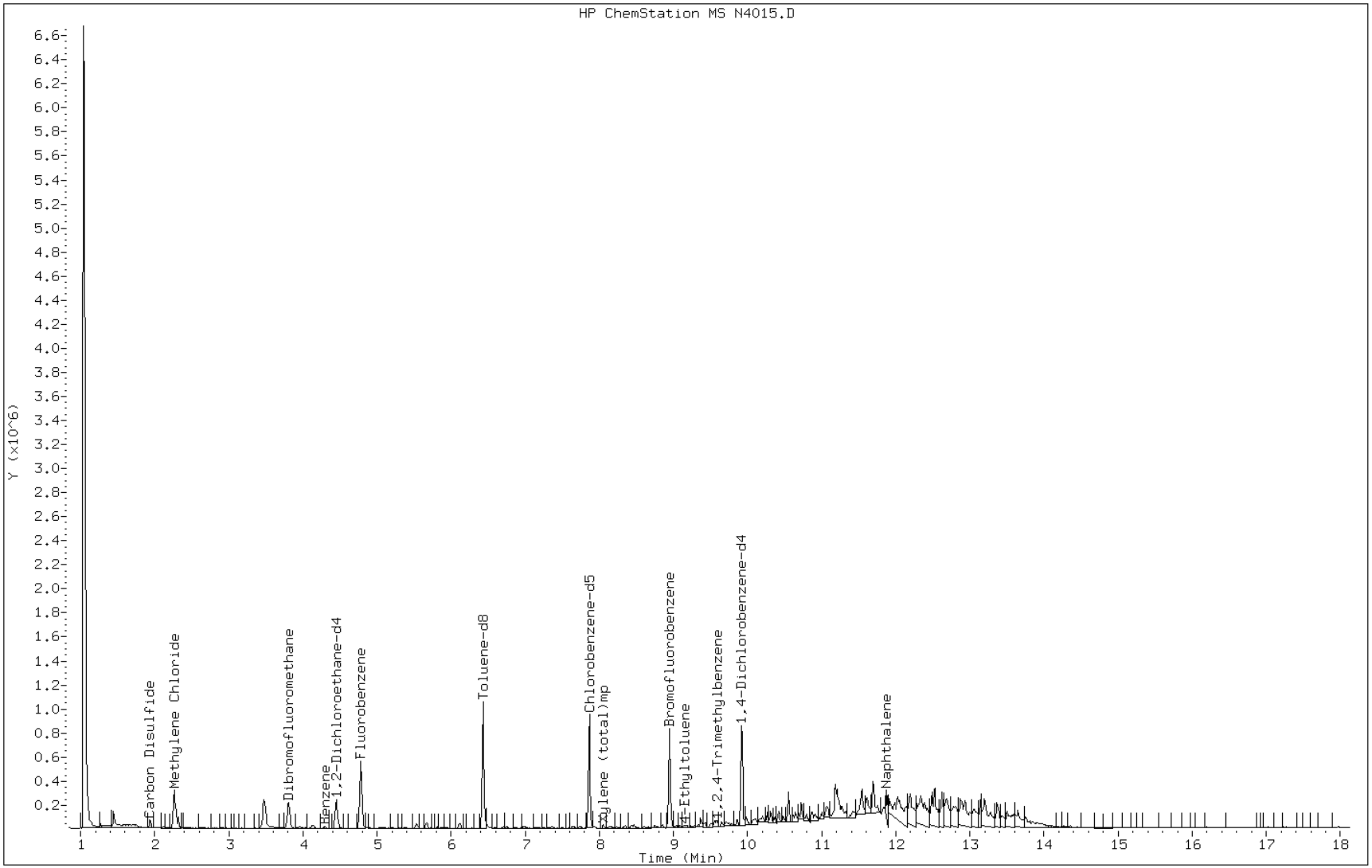
			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/kg)	FINAL (ug/Kg)
*	1	Fluorobenzene	96	4.784	4.785	(1.000)	597025	25.0000	
	15	Carbon Disulfide	76	1.937	1.938	(0.405)	70408	2.53617	2
	20	Methylene Chloride	84	2.262	2.263	(0.473)	103339	9.10539	9
	21	Acetone	43	2.281	2.283	(0.477)	181633	29.6333	30
$	41	Dibromofluoromethane	111	3.799	3.810	(0.794)	186668	21.0849	21
	52	Benzene	78	4.291	4.292	(0.897)	14137	0.44124	0.4
$	55	1,2-Dichloroethane-d4	65	4.449	4.450	(0.930)	179533	23.0190	23
*	75	Chlorobenzene-d5	117	7.867	7.868	(1.000)	503147	25.0000	
	76	Toluene	91	6.478	6.479	(0.823)	21418	0.64360	0.6
$	77	Toluene-d8	98	6.429	6.430	(0.817)	658255	22.7275	23
	90	Ethylbenzene	106	7.926	7.918	(1.008)	1508	0.13127	0.1
	91	Xylene (total)mp	106	8.054	8.056	(1.024)	10632	0.73842	0.7
	92	Xylene (total)o	106	8.429	8.430	(1.071)	4511	0.32862	0.3
*	95	1,4-Dichlorobenzene-d4	152	9.926	9.927	(1.000)	206145	25.0000	
	99	4-Ethyltoluene	105	9.168	9.179	(0.924)	11942	0.34161	0.3
	105	1,3,5-Trimethylbenzene	105	9.246	9.258	(0.932)	6223	0.22553	0.2
	107	1,2,4-Trimethylbenzene	105	9.591	9.583	(0.966)	18857	0.68194	0.7
	118	1,2,4,5-Tetramethylbenzene	119	10.833	10.834	(1.091)	11442	0.48008	0.5
	123	Naphthalene	128	11.877	11.878	(1.197)	34518	1.46304	1
$	125	Bromofluorobenzene	95	8.951	8.952	(0.902)	257768	25.1122	25
M	127	Xylene (total)	100				15143	1.06704	1

Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT



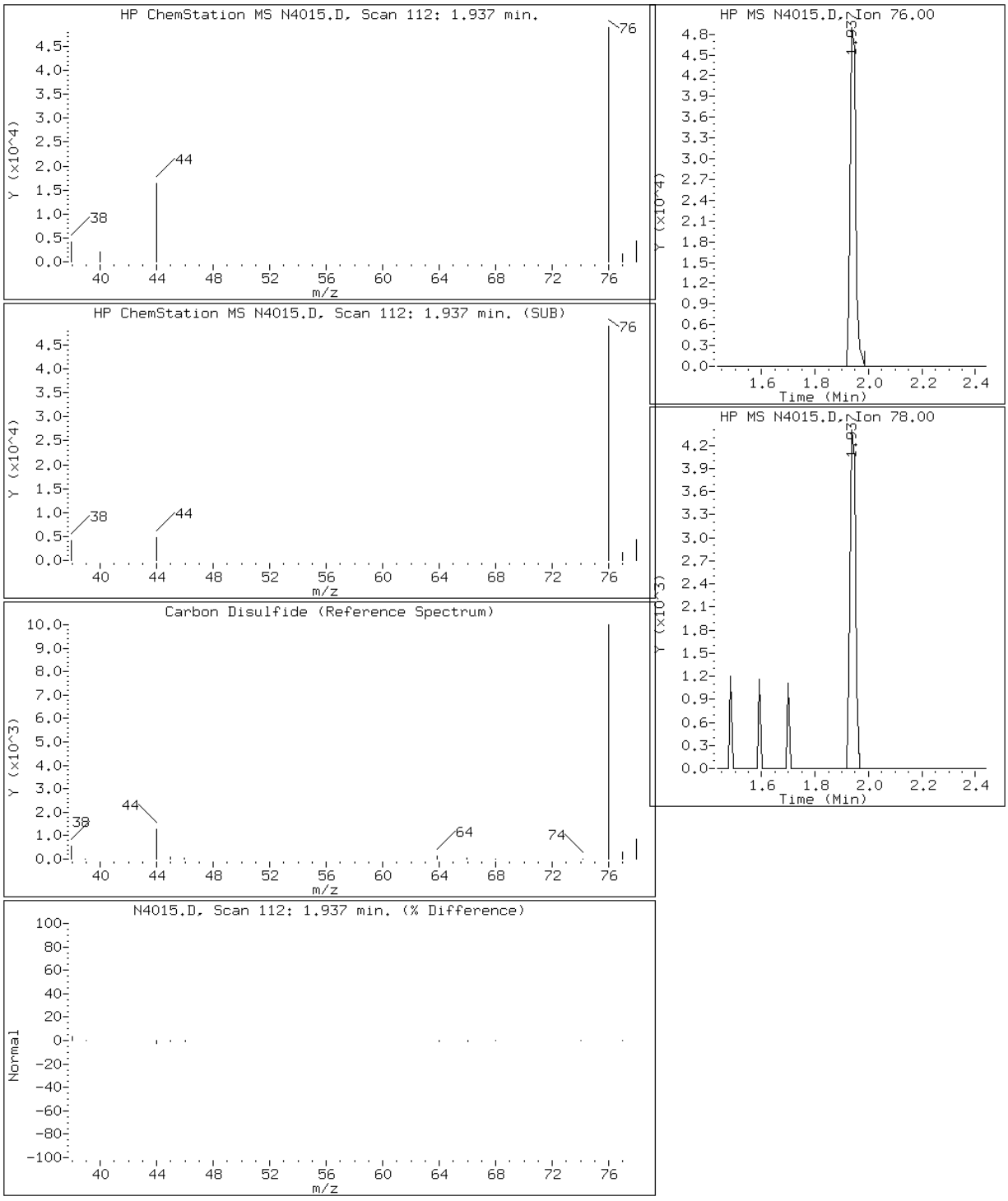
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

15 Carbon Disulfide



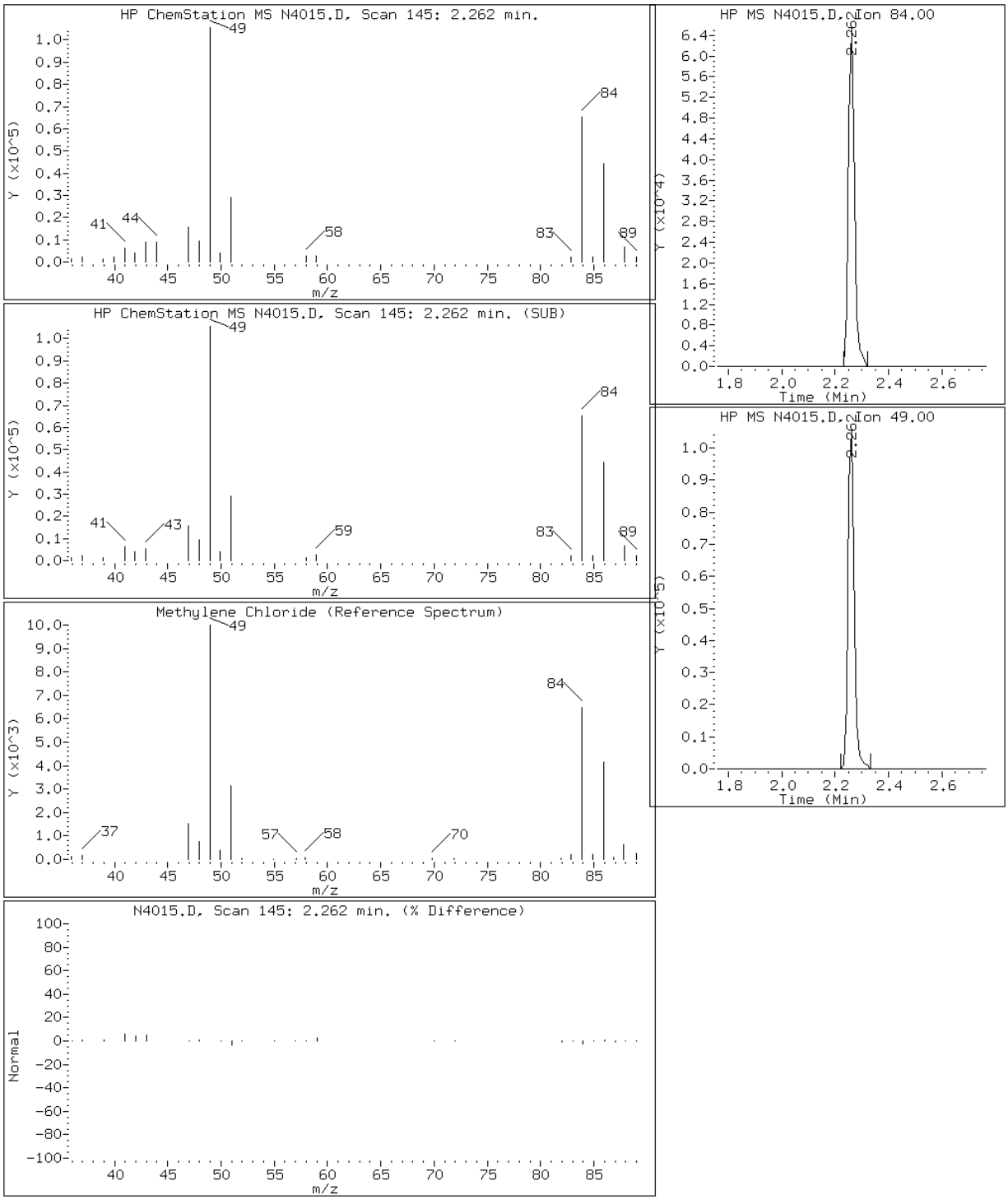
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

20 Methylene Chloride



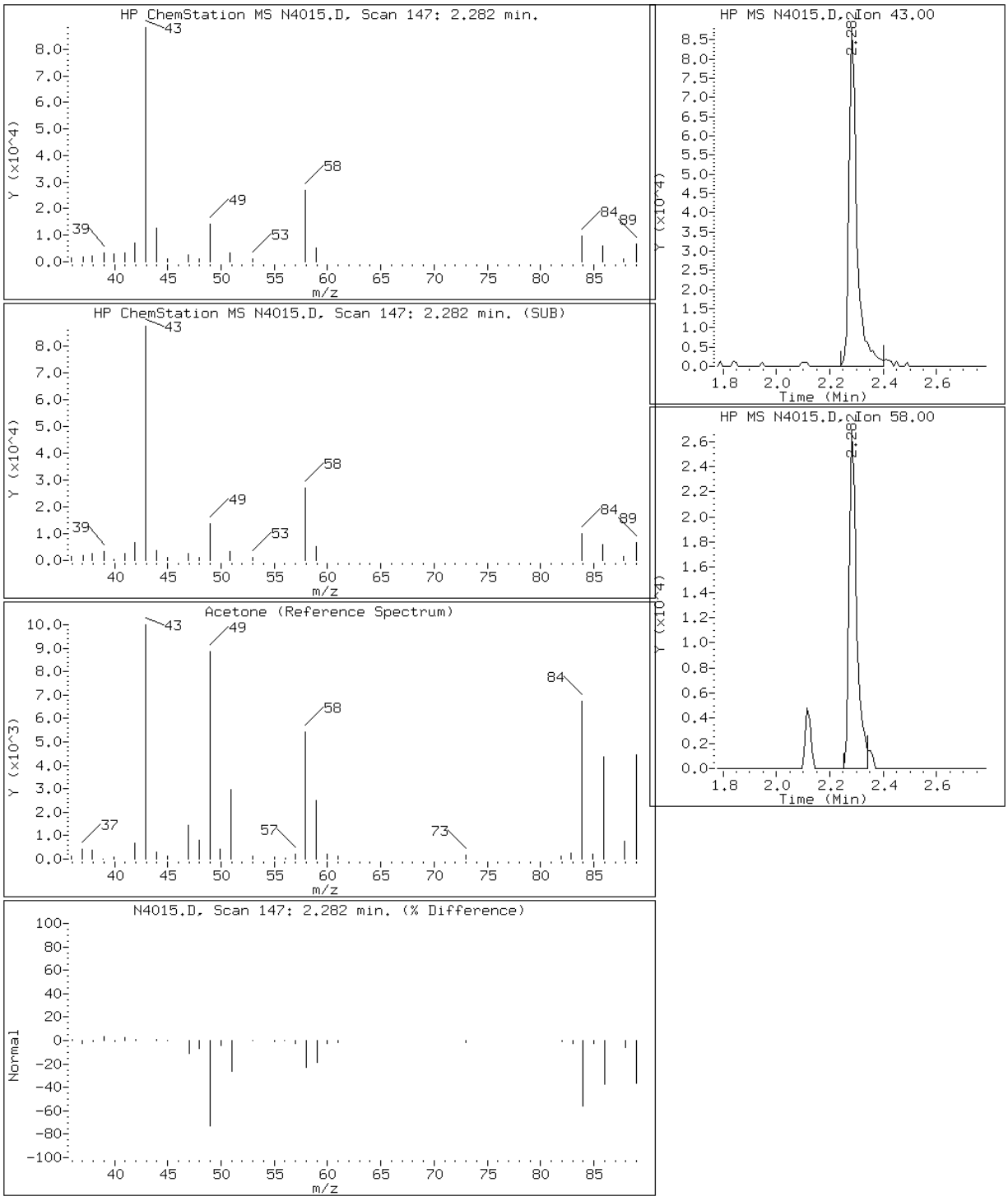
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

21 Acetone



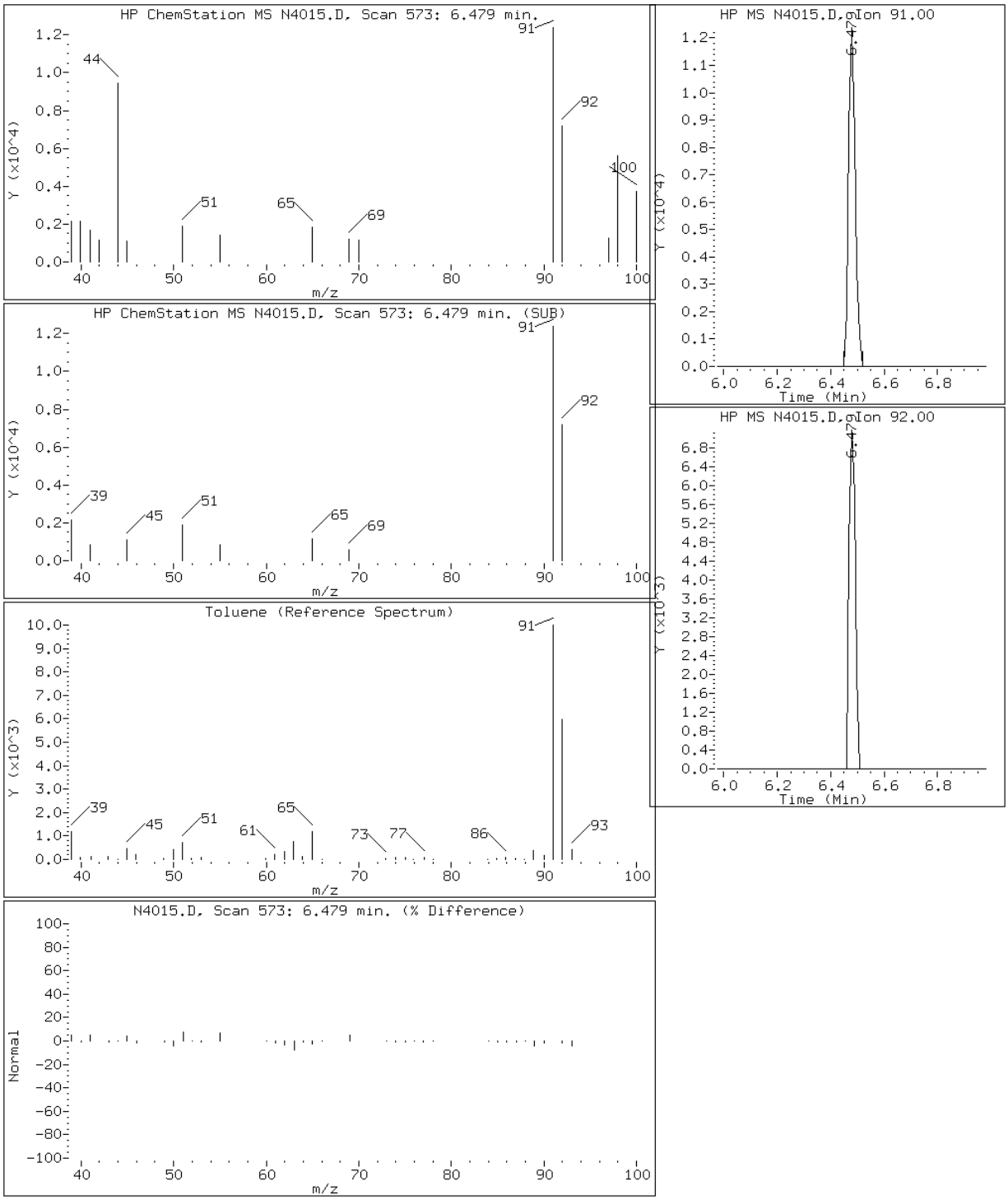
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

76 Toluene



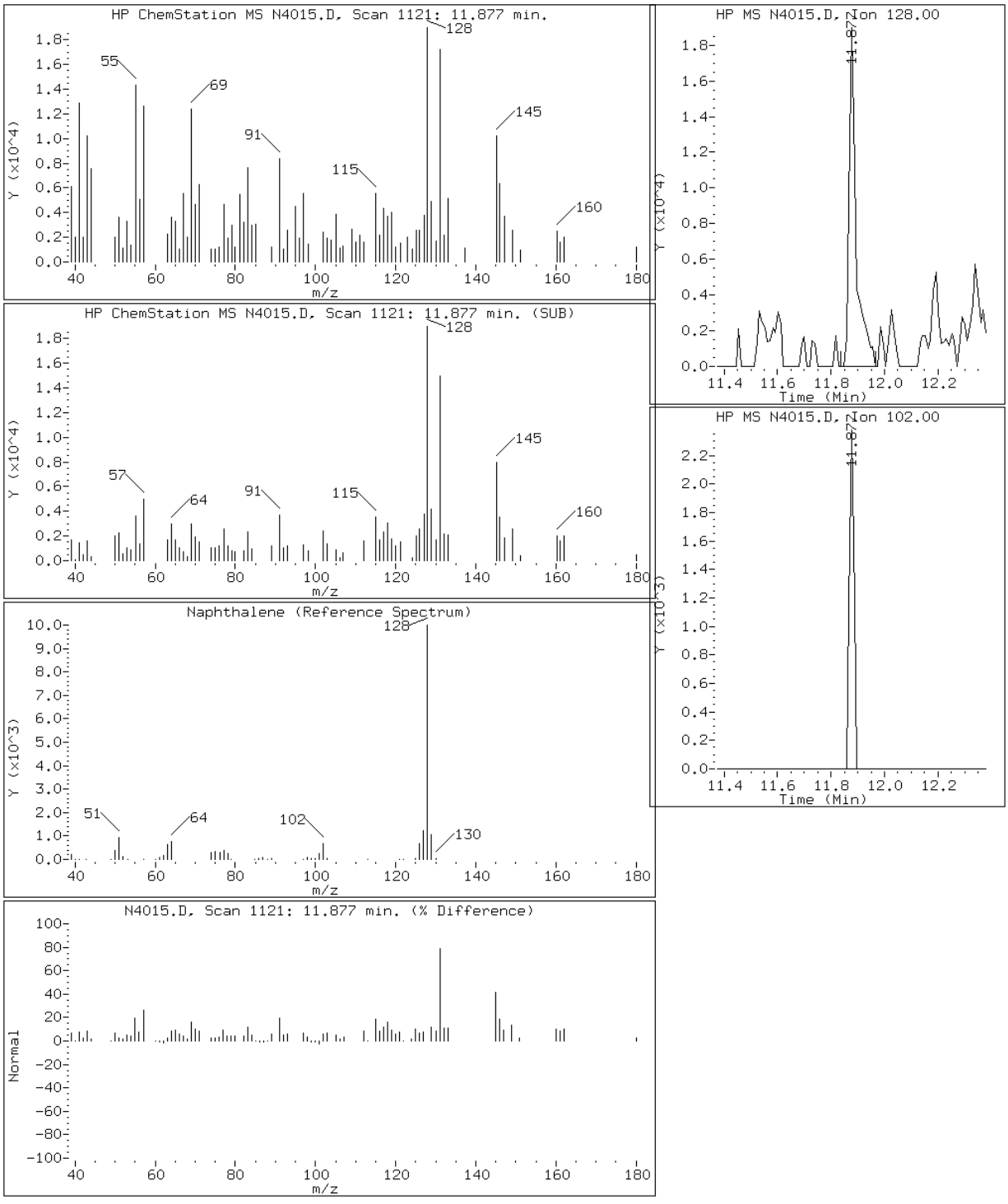
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

123 Naphthalene



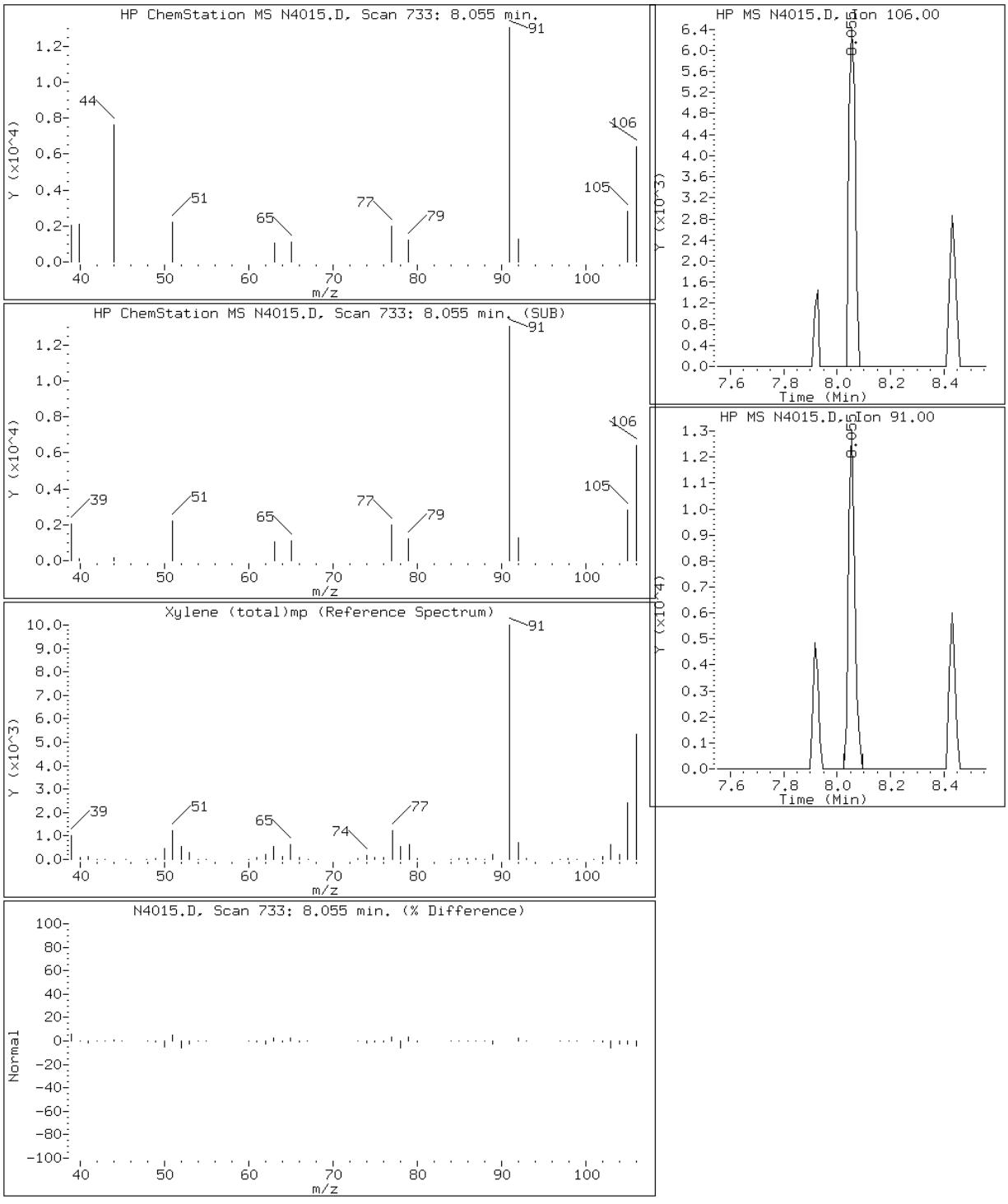
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

91 Xylene (total)mp



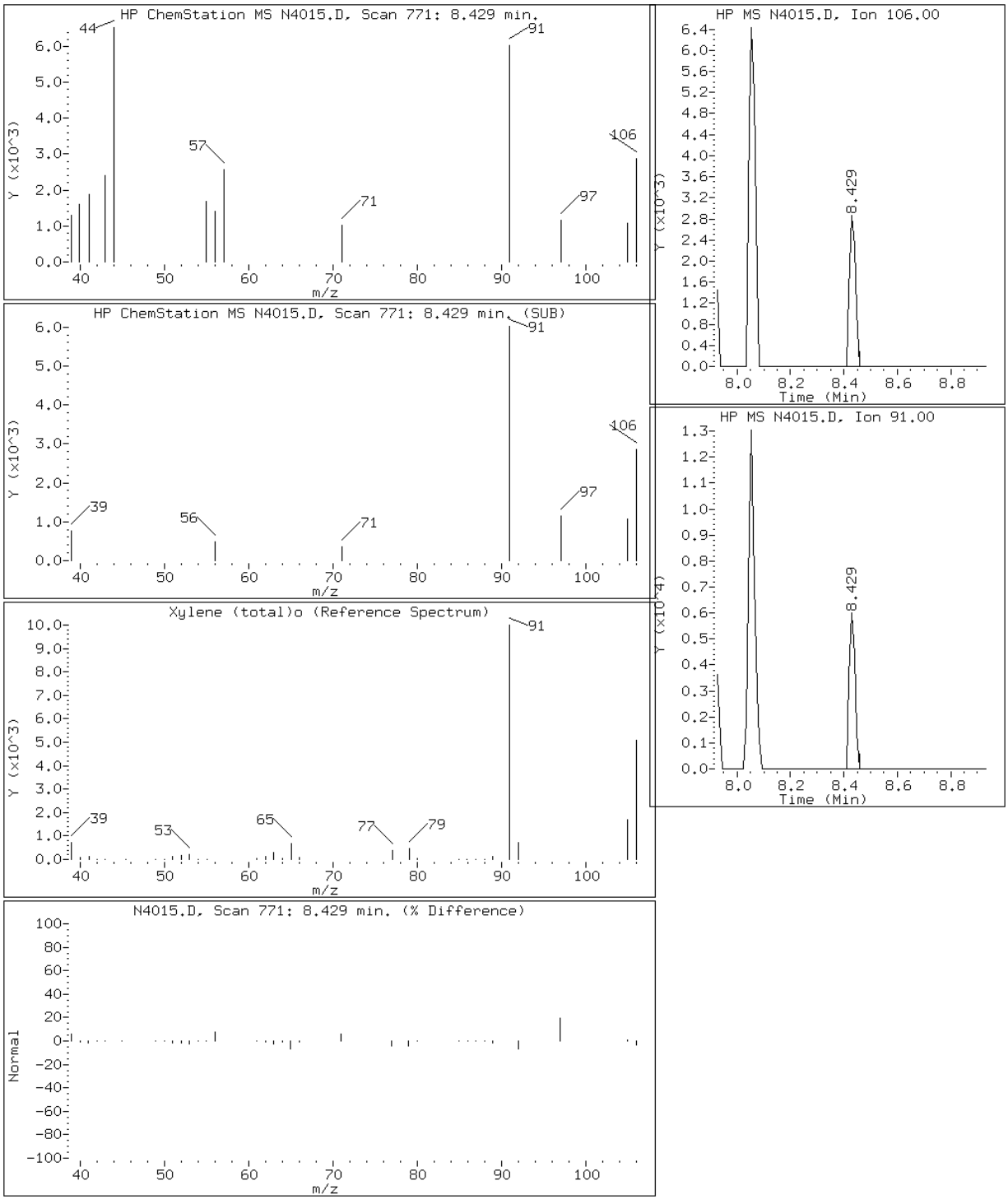
Data File: N4015.D

Date: 27-JUL-2011 19:33

Client ID: SB SE-11S 2.5'-3.5' Instrument: msn.i

Sample Info: 220-16095-A-1 Operator: D. HUMBERT

92 Xylene (total)o



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE 11D 22.5'-25' | Lab Sample ID: 220-16095-2

Matrix: Solid | Lab File ID: N4016.D

Analysis Method: 8260B | Date Collected: 07/25/2011 12:15

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 19:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.6	U	5.6	0.87
75-01-4	Vinyl chloride	5.6	U	5.6	0.26
74-83-9	Bromomethane	5.6	U	5.6	2.3
75-00-3	Chloroethane	5.6	U	5.6	1.1
75-35-4	1,1-Dichloroethene	5.6	U	5.6	0.65
75-15-0	Carbon disulfide	5.6	U	5.6	0.46
75-09-2	Methylene Chloride	12	J B	22	1.2
67-64-1	Acetone	7.1	J	22	2.5
156-60-5	trans-1,2-Dichloroethene	5.6	U	5.6	0.44
75-34-3	1,1-Dichloroethane	5.6	U	5.6	0.33
156-59-2	cis-1,2-Dichloroethene	5.6	U	5.6	0.41
67-66-3	Chloroform	5.6	U	5.6	0.38
71-55-6	1,1,1-Trichloroethane	5.6	U	5.6	0.59
56-23-5	Carbon tetrachloride	5.6	U	5.6	1.1
78-93-3	2-Butanone (MEK)	11	U	11	1.8
71-43-2	Benzene	5.6	U	5.6	0.64
107-06-2	1,2-Dichloroethane	5.6	U	5.6	0.65
79-01-6	Trichloroethene	5.6	U	5.6	0.90
74-95-3	Dibromomethane	5.6	U	5.6	0.71
78-87-5	1,2-Dichloropropane	5.6	U	5.6	0.75
75-27-4	Bromodichloromethane	5.6	U	5.6	0.33
10061-01-5	cis-1,3-Dichloropropene	5.6	U	5.6	0.62
10061-02-6	trans-1,3-Dichloropropene	5.6	U	5.6	0.30
79-00-5	1,1,2-Trichloroethane	5.6	U	5.6	0.41
108-88-3	Toluene	5.6	U	5.6	0.083
108-10-1	methyl isobutyl ketone	5.6	U	5.6	0.61
127-18-4	Tetrachloroethene	5.6	U	5.6	0.90
591-78-6	2-Hexanone	11	U	11	1.3
108-90-7	Chlorobenzene	5.6	U	5.6	0.66
630-20-6	1,1,1,2-Tetrachloroethane	5.6	U	5.6	0.58
100-41-4	Ethylbenzene	5.6	U	5.6	0.78
100-42-5	Styrene	5.6	U	5.6	0.17
75-25-2	Bromoform	5.6	U	5.6	0.68
98-82-8	Isopropylbenzene	5.6	U	5.6	0.21
103-65-1	N-Propylbenzene	5.6	U	5.6	0.68
108-67-8	1,3,5-Trimethylbenzene	5.6	U	5.6	0.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE 11D 22.5'-25' | Lab Sample ID: 220-16095-2

Matrix: Solid | Lab File ID: N4016.D

Analysis Method: 8260B | Date Collected: 07/25/2011 12:15

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 19:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.6	U	5.6	0.32
95-63-6	1,2,4-Trimethylbenzene	5.6	U	5.6	0.85
135-98-8	sec-Butylbenzene	5.6	U	5.6	0.59
99-87-6	p-Isopropyltoluene	5.6	U	5.6	0.59
104-51-8	n-Butylbenzene	5.6	U	5.6	1.3
91-20-3	Naphthalene	5.6	U	5.6	0.32
1330-20-7	Xylenes, Total	5.6	U	5.6	0.54
179601-23-1	m&p-Xylene	5.6	U	5.6	0.39
95-47-6	o-Xylene	5.6	U	5.6	0.21
1634-04-4	Methyl tert-butyl ether	0.34	J	5.6	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		59-132
460-00-4	4-Bromofluorobenzene	105		34-124
1868-53-7	Dibromofluoromethane	91		59-123
2037-26-5	Toluene-d8 (Surr)	96		50-118

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\N4016.D
Lab Smp Id: 220-16095-A-2 Client Smp ID: SB SE 11D 22.5'-25'
Inj Date : 27-JUL-2011 19:59 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : 220-16095-A-2
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 72
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

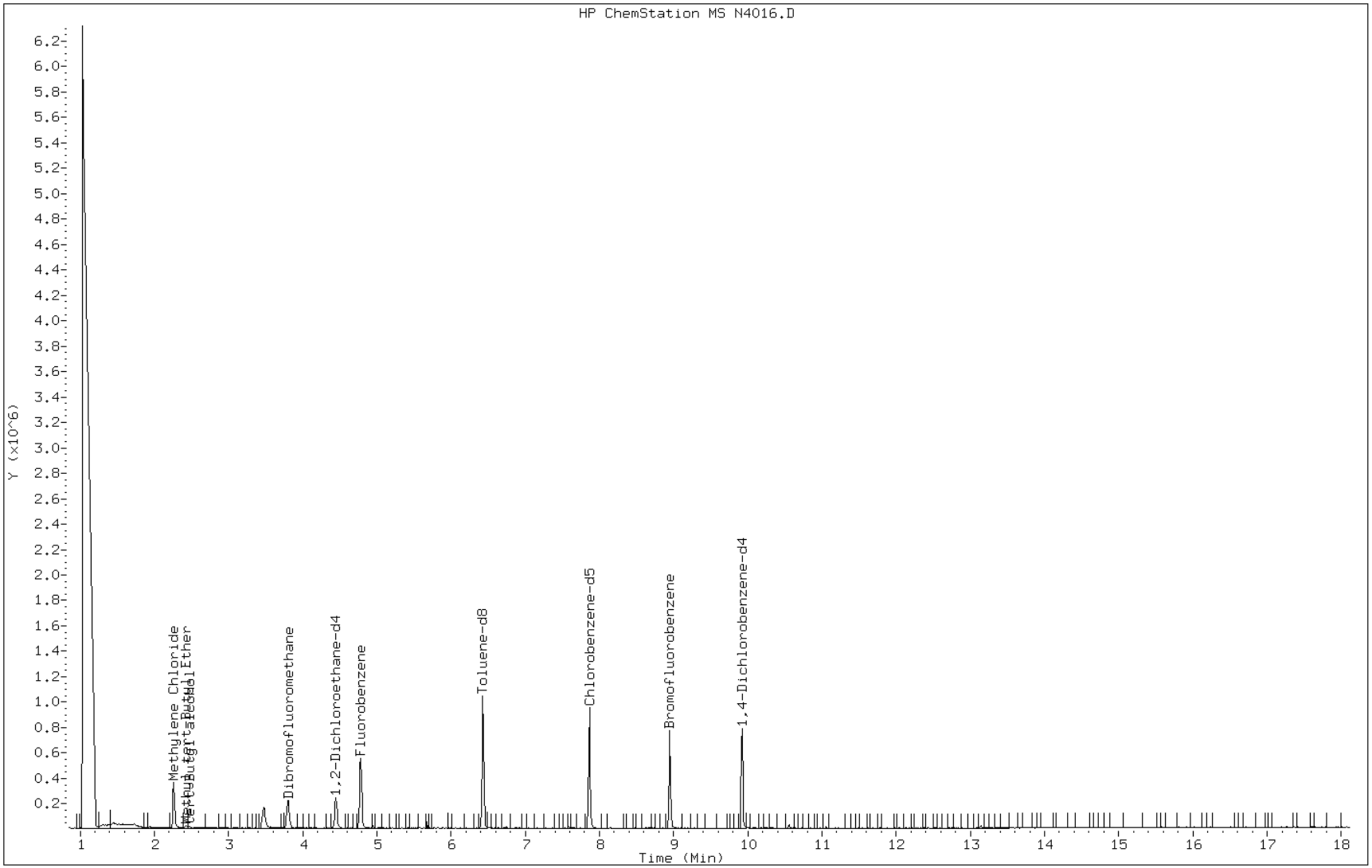
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
* 1 Fluorobenzene	96	4.782	4.785	(1.000)	575191	25.0000	
20 Methylene Chloride	84	2.260	2.263	(0.473)	120033	10.9778	11
21 Acetone	43	2.279	2.283	(0.477)	37470	6.34526	6
24 Methyl tert-Butyl Ether	73	2.437	2.430	(0.510)	6659	0.30326	0.3
25 tert-Butyl alcohol	59	2.476	2.480	(0.518)	11091	7.69941	8
$ 41 Dibromofluoromethane	111	3.806	3.810	(0.796)	194481	22.8013	23
$ 55 1,2-Dichloroethane-d4	65	4.447	4.450	(0.930)	172157	22.9112	23
* 75 Chlorobenzene-d5	117	7.865	7.868	(1.000)	484261	25.0000	
$ 77 Toluene-d8	98	6.427	6.430	(0.817)	668481	23.9807	24
* 95 1,4-Dichlorobenzene-d4	152	9.924	9.927	(1.000)	193230	25.0000	
$ 125 Bromofluorobenzene	95	8.949	8.952	(0.902)	252313	26.2237	26

Data File: N4016.D

Date: 27-JUL-2011 19:59

Client ID: SB SE 11D 22.5'-25' Instrument: msn.i

Sample Info: 220-16095-A-2 Operator: D. HUMBERT



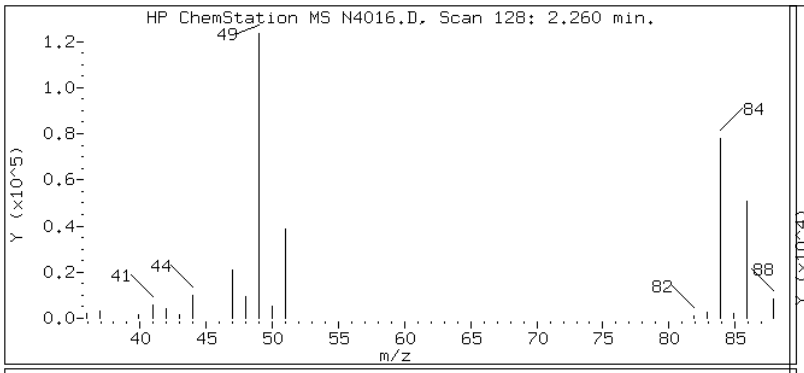
Data File: N4016.D

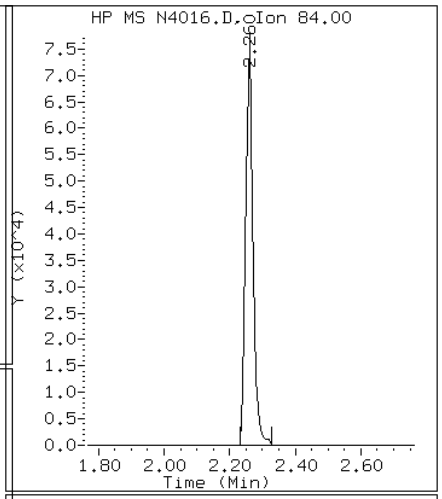
Date: 27-JUL-2011 19:59

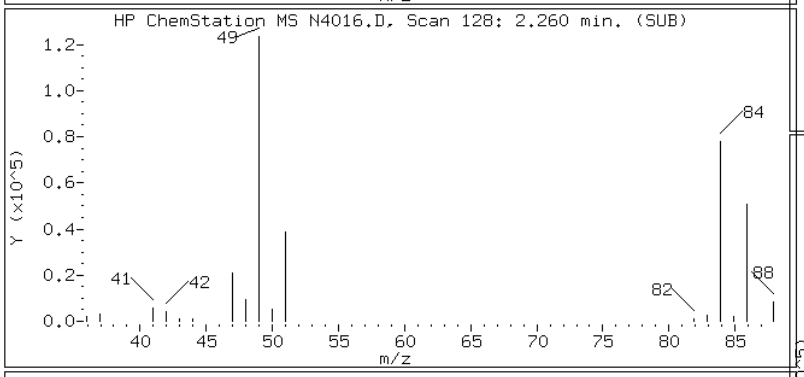
Client ID: SB SE 11D 22.5'-25' Instrument: msn.i

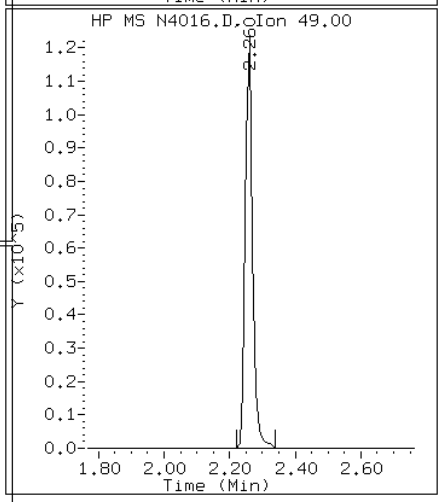
Sample Info: 220-16095-A-2 Operator: D. HUMBERT

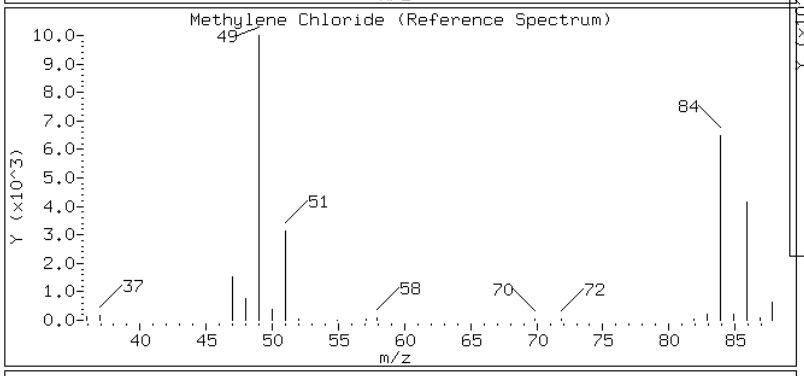
20 Methylene Chloride

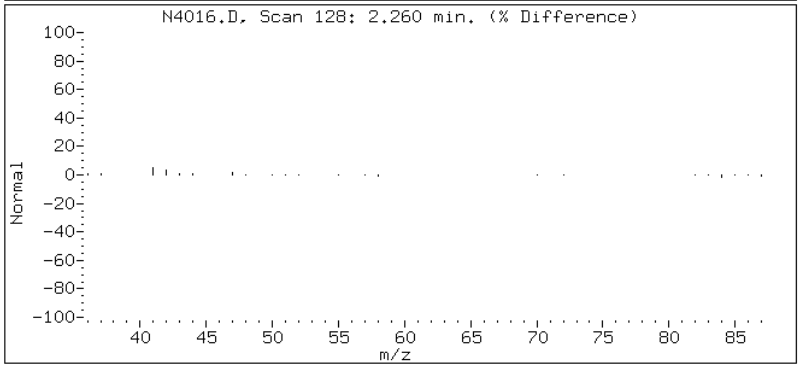












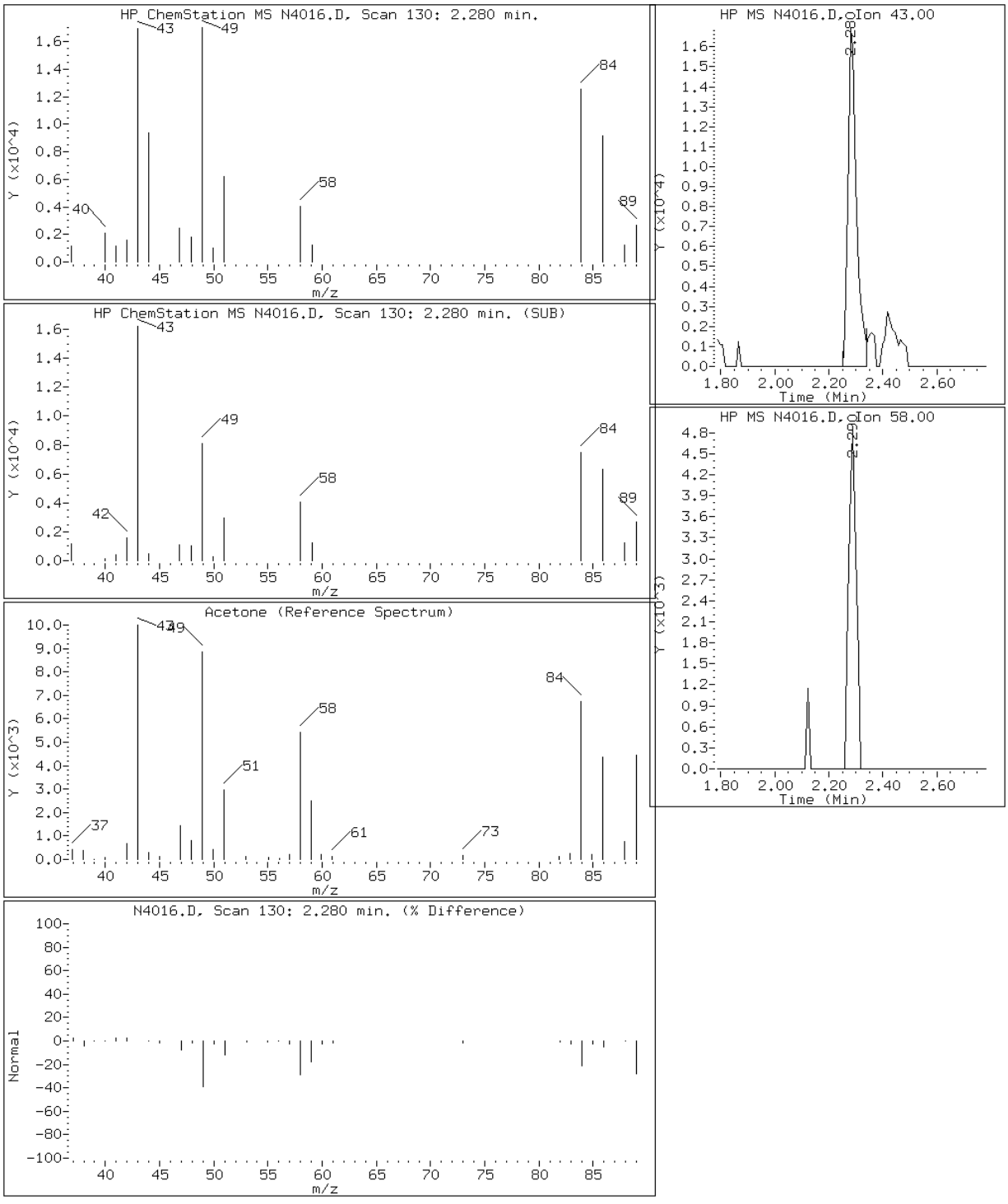
Data File: N4016.D

Date: 27-JUL-2011 19:59

Client ID: SB SE 11D 22.5'-25' Instrument: msn.i

Sample Info: 220-16095-A-2 Operator: D. HUMBERT

21 Acetone



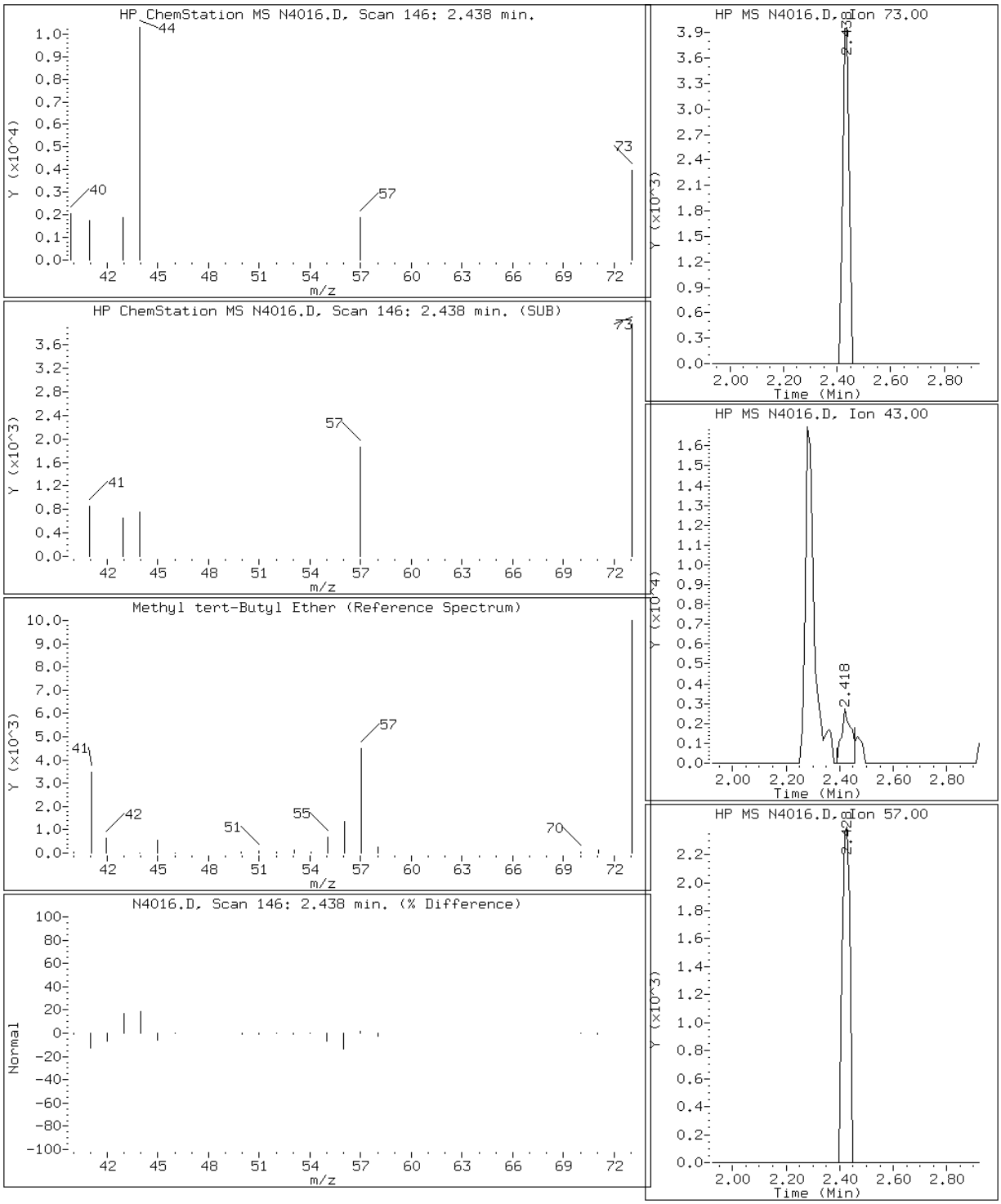
Data File: N4016.D

Date: 27-JUL-2011 19:59

Client ID: SB SE 11D 22.5'-25' Instrument: msn.i

Sample Info: 220-16095-A-2 Operator: D. HUMBERT

24 Methyl tert-Butyl Ether



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB MW-B | Lab Sample ID: 220-16095-3

Matrix: Water | Lab File ID: W3581.D

Analysis Method: 8260B | Date Collected: 07/25/2011 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 15:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	1.1
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	1.1
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
75-09-2	Methylene Chloride	5.0	U	5.0	0.78
67-64-1	Acetone	1.6	J B	10	1.0
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
67-66-3	Chloroform	5.0	U	5.0	0.67
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
78-93-3	2-Butanone (MEK)	10	U	10	1.1
71-43-2	Benzene	5.0	U	5.0	0.74
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
79-01-6	Trichloroethene	5.0	U	5.0	0.62
74-95-3	Dibromomethane	5.0	U	5.0	0.70
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
108-88-3	Toluene	5.0	U	5.0	0.72
108-10-1	methyl isobutyl ketone	10	U	10	0.38
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.93
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
100-42-5	Styrene	5.0	U	5.0	0.64
75-25-2	Bromoform	5.0	U	5.0	0.46
98-82-8	Isopropylbenzene	5.0	U	5.0	0.85
103-65-1	N-Propylbenzene	5.0	U	5.0	0.62
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	0.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB MW-B | Lab Sample ID: 220-16095-3

Matrix: Water | Lab File ID: W3581.D

Analysis Method: 8260B | Date Collected: 07/25/2011 11:45

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 15:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.0	U	5.0	0.75
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	0.64
135-98-8	sec-Butylbenzene	5.0	U	5.0	0.79
99-87-6	p-Isopropyltoluene	5.0	U	5.0	0.81
104-51-8	n-Butylbenzene	5.0	U	5.0	0.67
91-20-3	Naphthalene	5.0	U	5.0	0.34
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
179601-23-1	m&p-Xylene	5.0	U	5.0	1.7
95-47-6	o-Xylene	5.0	U	5.0	0.66
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	87		68-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		65-136
2037-26-5	Toluene-d8 (Surr)	86		63-127
460-00-4	4-Bromofluorobenzene	91		51-142

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W3581.D
Lab Smp Id: 220-16095-A-3 Client Smp ID: SB MW-B
Inj Date : 26-JUL-2011 15:19 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : 220-16095-a-3
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msw.i\W113572.b\W8260LOW.m
Meth Date : 26-Jul-2011 11:41 barbara Quant Type: ISTD
Cal Date : 19-JUL-2011 17:47 Cal File: W3414.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.368	4.358	(1.000)	861882	25.0000	
	20 Methylene Chloride	84	1.923	1.918	(0.440)	3248	0.30029	0.3
	21 Acetone	43	1.966	1.956	(0.450)	6282	1.62795	2
$	41 Dibromofluoromethane	111	3.496	3.486	(0.800)	200202	21.8110	22
$	55 1,2-Dichloroethane-d4	65	4.047	4.037	(0.927)	248278	21.7030	22
*	75 Chlorobenzene-d5	117	8.102	8.097	(1.000)	660076	25.0000	
$	77 Toluene-d8	98	6.209	6.203	(0.766)	628839	21.5564	22
*	95 1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	340609	25.0000	
$	125 Bromofluorobenzene	95	9.648	9.649	(0.900)	215856	22.6817	23

Data File: W3581.D

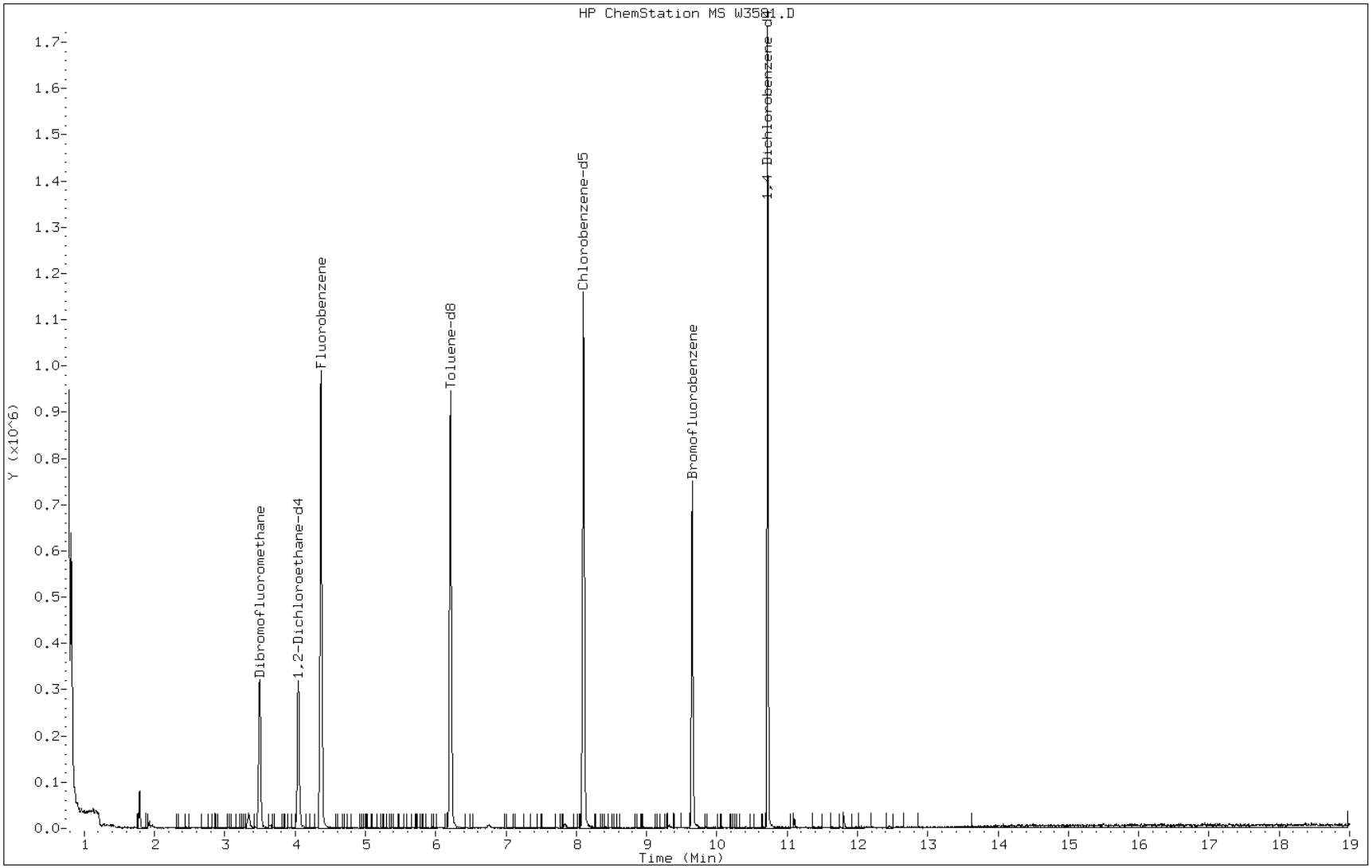
Date: 26-JUL-2011 15:19

Client ID: SB MW-B

Instrument: msw.i

Sample Info: 220-16095-a-3

Operator: B.KOSTRZEWSKA



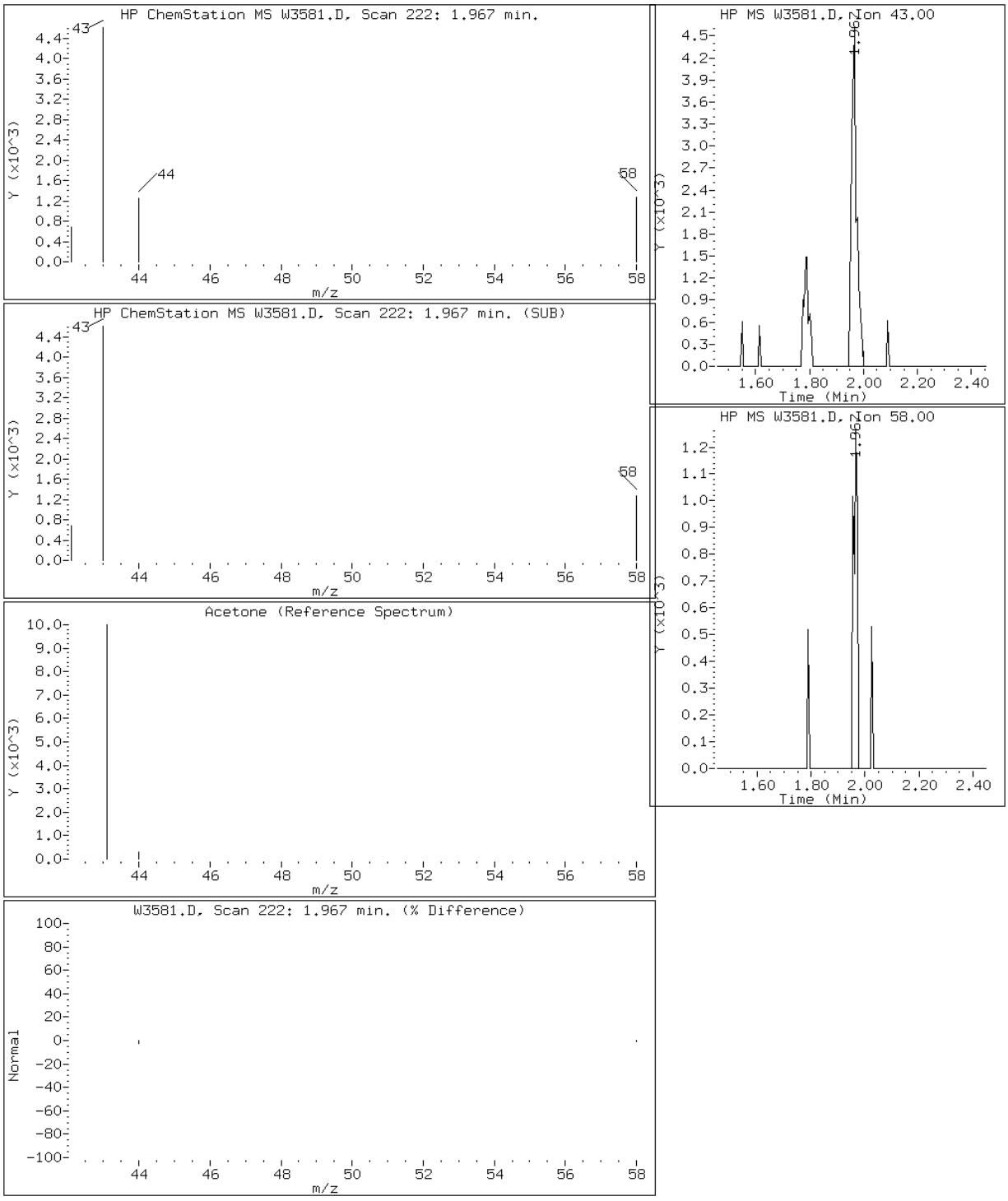
Data File: W3581.D

Date: 26-JUL-2011 15:19

Client ID: SB MW-B Instrument: msw.i

Sample Info: 220-16095-a-3 Operator: B.KOSTRZEWSKA

21 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 220-16095-4

Matrix: Water | Lab File ID: W3578.D

Analysis Method: 8260B | Date Collected: 07/25/2011 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 14:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	1.1
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	1.1
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
75-09-2	Methylene Chloride	2.7	J B	5.0	0.78
67-64-1	Acetone	10	U	10	1.0
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
67-66-3	Chloroform	5.0	U	5.0	0.67
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
78-93-3	2-Butanone (MEK)	10	U	10	1.1
71-43-2	Benzene	5.0	U	5.0	0.74
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
79-01-6	Trichloroethene	5.0	U	5.0	0.62
74-95-3	Dibromomethane	5.0	U	5.0	0.70
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
108-88-3	Toluene	5.0	U	5.0	0.72
108-10-1	methyl isobutyl ketone	10	U	10	0.38
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.93
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
100-42-5	Styrene	5.0	U	5.0	0.64
75-25-2	Bromoform	5.0	U	5.0	0.46
98-82-8	Isopropylbenzene	5.0	U	5.0	0.85
103-65-1	N-Propylbenzene	5.0	U	5.0	0.62
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	0.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 220-16095-4

Matrix: Water | Lab File ID: W3578.D

Analysis Method: 8260B | Date Collected: 07/25/2011 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 14:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.0	U	5.0	0.75
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	0.64
135-98-8	sec-Butylbenzene	5.0	U	5.0	0.79
99-87-6	p-Isopropyltoluene	5.0	U	5.0	0.81
104-51-8	n-Butylbenzene	5.0	U	5.0	0.67
91-20-3	Naphthalene	5.0	U	5.0	0.34
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
179601-23-1	m&p-Xylene	5.0	U	5.0	1.7
95-47-6	o-Xylene	5.0	U	5.0	0.66
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	89		68-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		65-136
2037-26-5	Toluene-d8 (Surr)	88		63-127
460-00-4	4-Bromofluorobenzene	93		51-142

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W3578.D
Lab Smp Id: 220-16095-A-4 Client Smp ID: Trip Blank
Inj Date : 26-JUL-2011 14:03 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : 220-16095-a-4
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msw.i\W113572.b\W8260LOW.m
Meth Date : 26-Jul-2011 11:41 barbara Quant Type: ISTD
Cal Date : 19-JUL-2011 17:47 Cal File: W3414.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	1 Fluorobenzene	96	4.368	4.358	(1.000)	879010	25.0000	
	20 Methylene Chloride	84	1.924	1.918	(0.440)	29903	2.71073	3
$	41 Dibromofluoromethane	111	3.496	3.486	(0.800)	207988	22.2178	22
$	55 1,2-Dichloroethane-d4	65	4.042	4.037	(0.925)	261816	22.4404	22
*	75 Chlorobenzene-d5	117	8.103	8.097	(1.000)	669562	25.0000	
$	77 Toluene-d8	98	6.209	6.203	(0.766)	650936	21.9978	22
*	95 1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	338476	25.0000	
$	125 Bromofluorobenzene	95	9.649	9.649	(0.900)	219415	23.2010	23

Data File: W3578.D

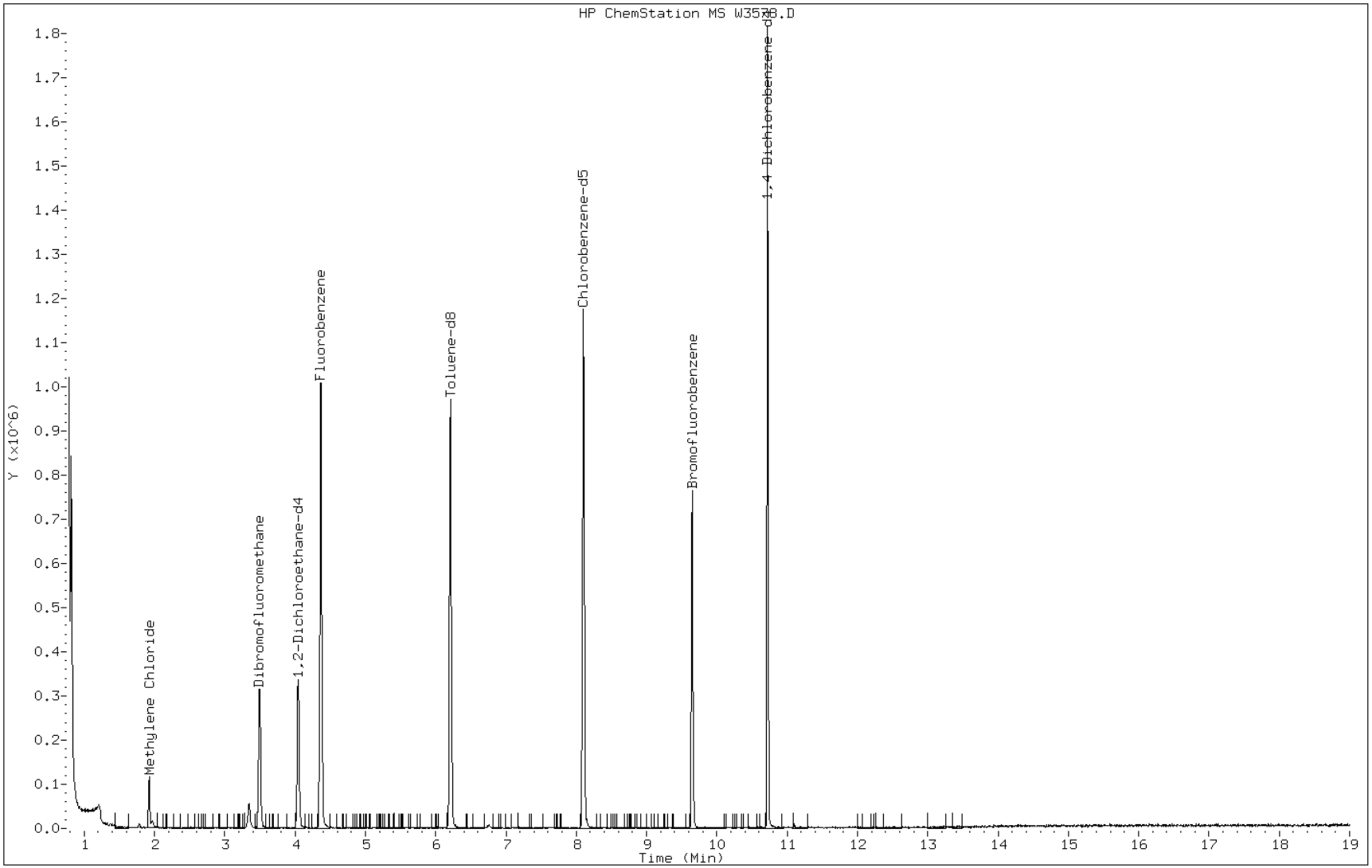
Date: 26-JUL-2011 14:03

Client ID: Trip Blank

Instrument: msw.i

Sample Info: 220-16095-a-4

Operator: B.KOSTRZEWSKA



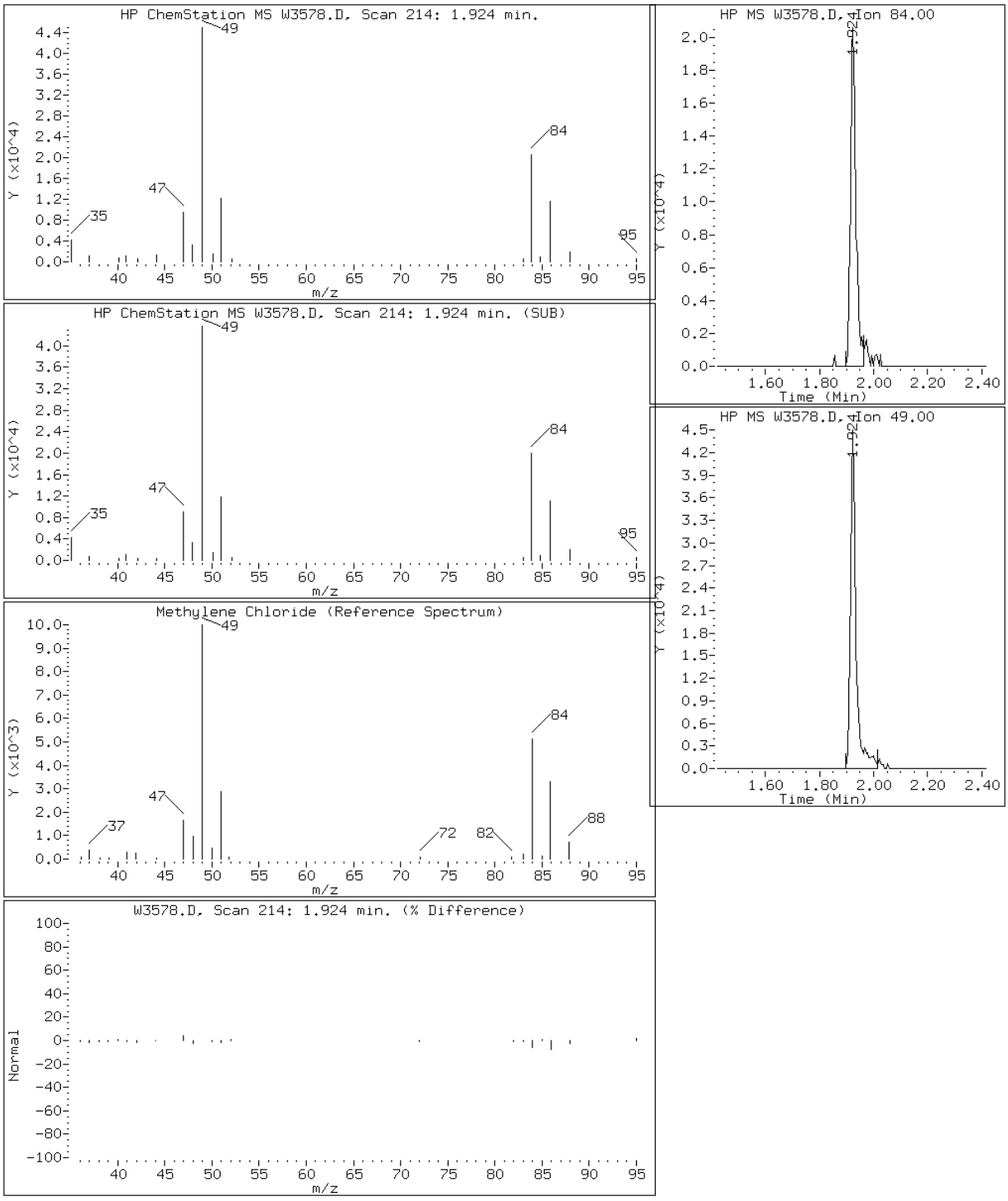
Data File: W3578.D

Date: 26-JUL-2011 14:03

Client ID: Trip Blank Instrument: msw.i

Sample Info: 220-16095-a-4 Operator: B.KOSTRZEWSKA

20 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52848/6	N3729.D
Level 2	IC 220-52848/5	N3728.D
Level 3	IC 220-52848/4	N3727.D
Level 4	IC 220-52848/3	N3726.D
Level 5	IC 220-52848/2	N3725.D
Level 6	IC 220-52848/1	N3724.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Heptane	+++++ 0	0	0	0	0	Ave								15.0			
Dichlorodifluoromethane	0.0334 0.0381	0.0726	0.0787	0.0841	0.1073	Ave		0.0690				41.1	*	15.0			
Chloromethane	0.5037 0.5666	0.4848	0.5511	0.5360	0.5596	Ave		0.5336			0.1000	6.1		15.0			
Vinyl chloride	0.3555 0.3754	0.3499	0.3892	0.3681	0.3849	Ave		0.3705				4.2		30.0			
Bromomethane	0.1994 0.1353	0.1797	0.1910	0.1504	0.1263	Ave		0.1637				18.6	*	15.0			
Chloroethane	0.2787 0.1458	0.2236	0.2368	0.2008	0.1766	Ave		0.2104				22.2	*	15.0			
Trichlorofluoromethane	0.3386 0.3139	0.3311	0.3597	0.3389	0.3396	Ave		0.3370				4.4		15.0			
Dichlorofluoromethane	0.5673 0.4709	0.5624	0.5649	0.5201	0.5205	Ave		0.5344				7.1		15.0			
Ethyl ether	0.3039 0.2614	0.2957	0.2898	0.2779	0.2746	Ave		0.2839				5.5		15.0			
Ethanol	0.0175 0.0153	0.0187	0.0198	0.0174	0.0181	Ave		0.0178				8.4		15.0			
1,1-Dichloroethene	0.2700 0.2784	0.2696	0.2798	0.2783	0.2866	Ave		0.2771				2.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3059 0.3413	0.3305	0.3368	0.3381	0.3487	Ave		0.3335				4.4		15.0			
Carbon disulfide	1.0968 1.2248	1.0813	1.1593	1.1745	1.2382	Ave		1.1625				5.5		15.0			
Iodomethane	0.3326 0.3736	0.3347	0.3807	0.3767	0.3889	Ave		0.3645				6.7		15.0			
Isopropyl alcohol	0.0377 0.0350	0.0412	0.0372	0.0306	0.0325	Ave		0.0357				10.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acrolein	0.0672 0.0765	0.0753	0.0738	0.0726	0.0768	Ave		0.0737				4.8		15.0			
3-Chloro-1-propene	0.6726 0.7076	0.6824	0.6973	0.6932	0.7156	Ave		0.6948				2.3		15.0			
Methylene Chloride	+++++ 0.7579	0.4525	0.4016	0.3782	0.3860	Ave		0.4752				33.8	*	15.0			
Acetone	+++++ 0.2568	0.2763	0.2467	0.2634	0.2402	Ave		0.2567				5.5		15.0			
Methyl acetate	2.2493 3.3064	2.3876	2.2941	2.3016	2.4015	Qua	-0.176	0.5452	-0.009						0.9984		
trans-1,2-Dichloroethene	0.3440 0.2549	0.3283	0.3405	0.3373	0.3508	Ave		0.3260				10.9		15.0			
Methyl tert-butyl ether	0.9337	0.9597	0.9374	0.9593	0.9818	Ave		0.9544				2.0		15.0			
tert-Butyl alcohol	0.0587	0.0669	0.0607	0.0602	0.0665	Ave		0.0626				6.1		15.0			
Acetonitrile	0.0615 0.0566	0.0598	0.0575	0.0538	0.0593	Ave		0.0581				4.6		15.0			
Isopropyl ether	1.6024 1.6609	1.5909	1.6057	1.6137	1.6503	Ave		1.6207				1.7		15.0			
2-Chloro-1,3-butadiene	0.2888 0.3348	0.3029	0.3106	0.3132	0.3310	Ave		0.3135				5.5		15.0			
1,1-Dichloroethane	0.6360 0.6672	0.6556	0.6618	0.6598	0.6801	Ave		0.6601			0.1000	2.2		15.0			
Acrylonitrile	0.1959 0.2089	0.2179	0.2146	0.2097	0.2095	Ave		0.2094				3.6		15.0			
Tert-butyl ethyl ether	1.2001 1.2332	1.2042	1.2120	1.2124	1.2404	Ave		1.2171				1.3		15.0			
Vinyl acetate	0.9990 1.1087	1.1029	1.0748	1.0733	1.0885	Ave		1.0745				3.7		15.0			
cis-1,2-Dichloroethene	0.3735 0.3853	0.3709	0.3802	0.3758	0.3929	Ave		0.3798				2.2		15.0			
2,2-Dichloropropane	0.4549 0.4276	0.3973	0.4130	0.4076	0.4364	Ave		0.4228				5.0		15.0			
Bromochloromethane	0.1923 0.1953	0.2010	0.1960	0.1915	0.2007	Ave		0.1961				2.1		15.0			
Cyclohexane	0.5019 0.5430	0.4993	0.5287	0.5256	0.5474	Ave		0.5243				3.8		15.0			
Chloroform	0.5422 0.5487	0.5352	0.5367	0.5291	0.5537	Ave		0.5409				1.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	0.0916 0.0360	0.0447	0.0350	0.0321	0.0330	Lin	-0.225	0.0341							0.9916		
Methyl acrylate	0.3928 0.4693	0.4271	0.4487	0.4466	0.4724	Ave		0.4428				6.7		15.0			
Carbon tetrachloride	0.3040 0.3529	0.3141	0.3360	0.3328	0.3560	Ave		0.3326				6.2		15.0			
Tetrahydrofuran	0.1764 0.1961	0.1967	0.1872	0.1829	0.1989	Ave		0.1897				4.7		15.0			
1,1,1-Trichloroethane	0.3733 0.4261	0.3976	0.4060	0.4050	0.4280	Ave		0.4060				5.0		15.0			
2-Butanone (MEK)	0.3201 0.3569	0.3333	0.3214	0.3418	0.3403	Ave		0.3356				4.1		15.0			
1,1-Dichloropropene	0.4632 0.4787	0.4555	0.4598	0.4603	0.4773	Ave		0.4658				2.1		15.0			
1-Chlorobutane	0.7521 0.7887	0.7574	0.7613	0.7612	0.7978	Ave		0.7698				2.4		15.0			
Benzene	1.3416 1.3649	1.3227	1.3222	1.3179	1.3805	Ave		1.3416				1.9		15.0			
Propionitrile	0.0641 0.0724	0.0711	0.0706	0.0690	0.0755	Ave		0.0705				5.4		15.0			
Methacrylonitrile	0.3421 0.3333	0.3279	0.3167	0.3151	0.3343	Ave		0.3282				3.2		15.0			
Tert-amyl methyl ether	0.9366 0.9949	1.0064	0.9717	0.9888	1.0093	Ave		0.9846				2.8		15.0			
1,2-Dichloroethane	0.3989 0.3960	0.3955	0.3890	0.3840	0.3985	Ave		0.3936				1.5		15.0			
Isobutyl alcohol	0.0147 0.0181	0.0185	0.0179	0.0178	0.0189	Ave		0.0177				8.5		15.0			
Methylcyclohexane	0.5890 0.6091	0.5880	0.5978	0.5979	0.6152	Ave		0.5995				1.8		15.0			
Trichloroethene	0.3272 0.3590	0.3432	0.3483	0.3399	0.3629	Ave		0.3467				3.8		15.0			
Dibromomethane	0.2258 0.2321	0.2281	0.2260	0.2291	0.2387	Ave		0.2299				2.1		15.0			
1,2-Dichloropropane	0.4009 0.4161	0.4100	0.4185	0.4081	0.4266	Ave		0.4134				2.2		30.0			
Ethyl acrylate	0.5732 0.6336	0.6705	0.6341	0.5964	0.7048	Ave		0.6354				7.5		15.0			
Bromodichloromethane	0.3497 0.3988	0.3733	0.3737	0.3850	0.4062	Ave		0.3811				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2767 0.3233	0.3099	0.3145	0.3166	0.3295	Ave		0.3117				5.9		15.0			
1,4-Dioxane	0.0019 0.0038	0.0043	0.0035	0.0031	0.0034	Ave		0.0033				24.7	*	15.0			
2-Chloroethyl vinyl ether	0.1715 0.2165	0.2089	0.2094	0.2141	0.2156	Ave		0.2060				8.4		15.0			
cis-1,3-Dichloropropene	0.5019 0.5688	0.5284	0.5449	0.5470	0.5718	Ave		0.5438				4.8		15.0			
Toluene	1.6325 1.7168	1.5923	1.6080	1.6563	1.7153	Ave		1.6535				3.2		30.0			
Chloroacetonitrile	0.0159 0.0200	0.0183	0.0188	0.0192	0.0209	Ave		0.0189				9.0		15.0			
2-Nitropropane	0.0833 0.1039	0.0936	0.0935	0.0937	0.1049	Ave		0.0955				8.4		15.0			
1,1-Dichloro-2-propanone	0.2692 0.3990	0.3460	0.3499	0.3643	0.3923	Ave		0.3535				13.2		15.0			
Tetrachloroethene	0.2753 0.3011	0.2825	0.2877	0.2942	0.2992	Ave		0.2900				3.5		15.0			
methyl isobutyl ketone	0.6196 0.7003	0.6763	0.6477	0.6742	0.7018	Ave		0.6700				4.7		15.0			
trans-1,3-Dichloropropene	0.4235 0.4898	0.4627	0.4619	0.4799	0.4978	Ave		0.4693				5.7		15.0			
1,1,2-Trichloroethane	0.2878 0.3006	0.3085	0.3026	0.3006	0.3091	Ave		0.3015				2.6		15.0			
Ethyl methacrylate	0.4773 0.5845	0.5363	0.5498	0.5792	0.5871	Ave		0.5523				7.6		15.0			
Dibromochloromethane	0.3263 0.4282	0.3789	0.3983	0.4200	0.4333	Ave		0.3975				10.2		15.0			
1,3-Dichloropropane	0.6502 0.6781	0.6680	0.6556	0.6743	0.6812	Ave		0.6679				1.9		15.0			
1,2-Dibromoethane	0.4113 0.4489	0.4237	0.4264	0.4452	0.4539	Ave		0.4349				3.9		15.0			
2-Hexanone	0.4745 0.5536	0.5008	0.4976	0.5504	0.5387	Ave		0.5193				6.3		15.0			
Chlorobenzene	1.1200 1.1225	1.0920	1.1023	1.1170	1.1516	Ave		1.1176			0.3000	1.8		15.0			
1-Chlorohexane	0.6013 0.6758	0.6106	0.6069	0.6192	0.6183	Ave		0.6220				4.4		15.0			
Ethylbenzene	0.5787 0.5768	0.5574	0.5612	0.5673	0.5834	Ave		0.5708				1.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.3230 0.3656	0.3371	0.3438	0.3588	0.3718	Ave		0.3500				5.3		15.0			
m&p-Xylene	0.6909	0.7085	0.7117	0.7260	0.7400	Ave		0.7154				2.6		15.0			
o-Xylene	0.6844 0.6886	0.6791	0.6772	0.6787	0.6843	Ave		0.6821				0.6		15.0			
Styrene	1.0601 1.1511	1.1291	1.1433	1.1608	1.1782	Ave		1.1371				3.6		15.0			
Bromoform	0.1690 0.2458	0.2069	0.2193	0.2364	0.2436	Ave		0.2202			0.1000	13.3		15.0			
Isopropylbenzene	3.9755 4.1945	3.9187	4.0678	4.0544	4.2717	Ave		4.0805				3.2		15.0			
Bromobenzene	0.9403 0.9990	0.9594	0.9839	0.9793	1.0289	Ave		0.9818				3.1		15.0			
N-Propylbenzene	5.0771 4.8326	4.9916	5.1543	5.1453	5.3682	Ave		5.0948				3.5		15.0			
1,1,2,2-Tetrachloroethane	1.2217 1.3244	1.2987	1.2747	1.2751	1.3424	Ave		1.2895			0.3000	3.3		15.0			
4-Ethyltoluene	4.1582 4.2976	4.1667	4.2198	4.2220	4.3727	Ave		4.2395				1.9		15.0			
2-Chlorotoluene	3.3565 3.2610	3.2395	3.3024	3.2385	3.3502	Ave		3.2914				1.6		15.0			
1,2,3-Trichloropropane	0.3502 0.3612	0.3623	0.3538	0.3512	0.3809	Ave		0.3599				3.2		15.0			
1,3,5-Trimethylbenzene	3.3969 3.3470	3.2599	3.3336	3.2535	3.4870	Ave		3.3463				2.6		15.0			
trans-1,4-Dichloro-2-butene	0.2955 0.3750	0.3140	0.3442	0.3551	0.3751	Ave		0.3431				9.5		15.0			
4-Chlorotoluene	2.9405 2.9688	2.8840	2.9275	2.9014	2.9853	Ave		2.9346				1.3		15.0			
tert-Butylbenzene	3.0151 2.9433	2.8816	2.9054	2.8500	3.0054	Ave		2.9335				2.3		15.0			
1,2,4-Trimethylbenzene	3.3911 3.3845	3.2643	3.3504	3.2846	3.4457	Ave		3.3534				2.0		15.0			
sec-Butylbenzene	4.7127 4.6989	4.6439	4.6318	4.5330	4.7962	Ave		4.6694				1.9		15.0			
p-Isopropyltoluene	3.6759 3.7046	3.6111	3.5901	3.5998	3.7505	Ave		3.6553				1.8		15.0			
1,3-Dichlorobenzene	1.7887 1.7584	1.7063	1.7360	1.7400	1.7888	Ave		1.7530				1.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.8563 1.7330	1.7945	1.7755	1.7420	1.8140	Ave		1.7859				2.6		15.0			
p-Diethylbenzene	1.7426 1.8257	1.7665	1.7929	1.7879	1.8409	Ave		1.7927				2.0		15.0			
Benzyl chloride	0.2837 0.4373	0.3565	0.3927	0.4041	0.4320	Ave		0.3844				14.9		15.0			
n-Butylbenzene	4.8007 5.3703	5.4060	5.6319	5.6776	5.8714	Ave		5.4597				6.8		15.0			
1,2-Dichlorobenzene	1.6447 1.6119	1.6017	1.6187	1.6159	1.6468	Ave		1.6233				1.1		15.0			
1,2,4,5-Tetramethylbenzene	2.7914 2.9745	2.7614	2.8885	2.9234	3.0031	Ave		2.8904				3.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1255 0.1790	0.1443	0.1598	0.1642	0.1810	Ave		0.1590				13.3		15.0			
Nitrobenzene	0.0254 0.0787	0.0338	0.0489	0.0620	0.0766	Ave		0.0542				40.7	*	15.0			
Hexachlorobutadiene	0.5507 0.5173	0.5184	0.4907	0.5048	0.5240	Ave		0.5177				3.9		15.0			
1,2,4-Trichlorobenzene	0.9923 1.0115	1.0006	0.9914	1.0252	0.9950	Ave		1.0027				1.3		15.0			
Naphthalene	2.9193 2.8677	2.8427	2.7786	2.8287	2.9305	Ave		2.8612				2.0		15.0			
1,2,3-Trichlorobenzene	0.9524 0.8750	0.8961	0.9029	0.9024	0.8914	Ave		0.9034				2.9		15.0			
Dibromofluoromethane	0.3503 0.3714	0.3652	0.3771	0.3748	0.3855	Ave		0.3707				3.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3300 0.3241	0.3219	0.3303	0.3252	0.3281	Ave		0.3266				1.0		15.0			
Toluene-d8 (Surr)	1.4060 1.4627	1.3694	1.4351	1.4640	1.4974	Ave		1.4391				3.2		15.0			
4-Bromofluorobenzene	1.2313 1.2173	1.2061	1.2882	1.2489	1.2773	Ave		1.2448				2.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52848/6	N3729.D
Level 2	IC 220-52848/5	N3728.D
Level 3	IC 220-52848/4	N3727.D
Level 4	IC 220-52848/3	N3726.D
Level 5	IC 220-52848/2	N3725.D
Level 6	IC 220-52848/1	N3724.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Heptane	FB	Ave	+++++ 0	0	0	0	0	+++++ 200	20.0	50.0	100	150
Dichlorodifluoromethane	FB	Ave	4918 225686	42205	119524	258784	470699	5.00 200	20.0	50.0	100	150
Chloromethane	FB	Ave	74186 3355086	281887	836506	1649034	2453800	5.00 200	20.0	50.0	100	150
Vinyl chloride	FB	Ave	52361 2222954	203448	590823	1132467	1687997	5.00 200	20.0	50.0	100	150
Bromomethane	FB	Ave	29366 801209	104471	289883	462808	553948	5.00 200	20.0	50.0	100	150
Chloroethane	FB	Ave	41045 863481	130017	359399	617745	774383	5.00 200	20.0	50.0	100	150
Trichlorofluoromethane	FB	Ave	49876 1858713	192489	546040	1042639	1489147	5.00 200	20.0	50.0	100	150
Dichlorofluoromethane	FB	Ave	83552 2788259	326985	857570	1600351	2282341	5.00 200	20.0	50.0	100	150
Ethyl ether	FB	Ave	44763 1548025	171934	439848	855163	1203989	5.00 200	20.0	50.0	100	150
Ethanol	FB	Ave	25762 908006	108768	300726	535373	794344	50.0 2000	200	500	1000	1500
1,1-Dichloroethene	FB	Ave	39770 1648575	156721	424684	856259	1256870	5.00 200	20.0	50.0	100	150
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	45050 2020772	192138	511302	1040234	1528919	5.00 200	20.0	50.0	100	150
Carbon disulfide	FB	Ave	161535 7252202	628682	1759798	3613695	5429780	5.00 200	20.0	50.0	100	150
Iodomethane	FB	Ave	48980 2212317	194596	577920	1158858	1705173	5.00 200	20.0	50.0	100	150
Isopropyl alcohol	FB	Ave	5555 206984	23962	56407	94223	142311	5.00 200	20.0	50.0	100	150
Acrolein	FB	Ave	49493 2265340	219018	560311	1116918	1683278	25.0 1000	100	250	500	750

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Chloro-1-propene	FB	Ave	99063 4189676	396770	1058437	2132891	3137991	5.00 200	20.0	50.0	100	150
Methylene Chloride	FB	Ave	+++++ 4487742	263072	609619	1163552	1692718	+++++ 200	20.0	50.0	100	150
Acetone	FB	Ave	+++++ 1520234	160653	374450	810295	1053312	+++++ 200	20.0	50.0	100	150
Methyl acetate	FB	Qua	331288 19577327	1388128	3482493	7081331	10530741	5.00 200	20.0	50.0	100	150
trans-1,2-Dichloroethene	FB	Ave	50665 1509513	190856	516947	1037704	1538259	5.00 200	20.0	50.0	100	150
Methyl tert-butyl ether	FB	Ave	137521	557967	1423011	2951487	4305397	5.00	20.0	50.0	100	150
tert-Butyl alcohol	FB	Ave	43241	194579	460839	926472	1457024	25.0	100	250	500	750
Acetonitrile	FB	Ave	90544 3353323	347554	872711	1656565	2599928	50.0 2000	200	500	1000	1500
Isopropyl ether	FB	Ave	236012 9834117	924942	2437433	4964996	7236639	5.00 200	20.0	50.0	100	150
2-Chloro-1,3-butadiene	FB	Ave	42536 1982322	176078	471547	963718	1451364	5.00 200	20.0	50.0	100	150
1,1-Dichloroethane	FB	Ave	93666 3950728	381175	1004622	2029902	2982232	5.00 200	20.0	50.0	100	150
Acrylonitrile	FB	Ave	57717 2474348	253347	651638	1290327	1837148	10.0 400	40.0	100	200	300
Tert-butyl ethyl ether	FB	Ave	176760 7301838	700101	1839842	3730091	5439348	5.00 200	20.0	50.0	100	150
Vinyl acetate	FB	Ave	147128 6564511	641232	1631575	3302164	4773306	5.00 200	20.0	50.0	100	150
cis-1,2-Dichloroethene	FB	Ave	55005 2281529	215670	577199	1156231	1722796	5.00 200	20.0	50.0	100	150
2,2-Dichloropropane	FB	Ave	66996 2531745	230964	626982	1254223	1913463	5.00 200	20.0	50.0	100	150
Bromochloromethane	FB	Ave	28317 1156297	116855	297486	589229	880280	5.00 200	20.0	50.0	100	150
Cyclohexane	FB	Ave	73917 3215296	290305	802547	1617079	2400461	5.00 200	20.0	50.0	100	150
Chloroform	FB	Ave	79863 3249038	311138	814679	1627838	2428227	5.00 200	20.0	50.0	100	150
Ethyl acetate	FB	Lin	26979 426870	51922	106313	197805	289709	10.0 400	40.0	100	200	300
Methyl acrylate	FB	Ave	57859 2778843	248306	681087	1374213	2071612	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon tetrachloride	FB	Ave	44773 2089822	182600	510068	1023789	1560914	5.00 200	20.0	50.0	100	150
Tetrahydrofuran	FB	Ave	51960 2321865	228747	568227	1125242	1744788	10.0 400	40.0	100	200	300
1,1,1-Trichloroethane	FB	Ave	54985 2522692	231179	616285	1246072	1876824	5.00 200	20.0	50.0	100	150
2-Butanone (MEK)	FB	Ave	47143 2112959	193779	487874	1051659	1492052	5.00 200	20.0	50.0	100	150
1,1-Dichloropropene	FB	Ave	68219 2834498	264836	698041	1416195	2092794	5.00 200	20.0	50.0	100	150
1-Chlorobutane	FB	Ave	110772 4669931	440361	1155684	2341934	3498587	5.00 200	20.0	50.0	100	150
Benzene	FB	Ave	197593 8081871	768992	2007111	4054672	6053560	5.00 200	20.0	50.0	100	150
Propionitrile	FB	Ave	94463 4289617	413644	1072172	2122871	3309701	50.0 2000	200	500	1000	1500
Methacrylonitrile	FB	Ave	50379 1973216	190621	480735	969546	1465873	5.00 200	20.0	50.0	100	150
Tert-amyl methyl ether	FB	Ave	137949 5890573	585105	1475093	3042366	4425955	5.00 200	20.0	50.0	100	150
1,2-Dichloroethane	FB	Ave	58744 2344494	229918	590539	1181570	1747509	5.00 200	20.0	50.0	100	150
Isobutyl alcohol	FB	Ave	21653 1071459	107581	272204	549170	829787	50.0 2000	200	500	1000	1500
Methylcyclohexane	FB	Ave	86751 3606712	341838	907392	1839603	2697778	5.00 200	20.0	50.0	100	150
Trichloroethene	FB	Ave	48192 2125740	199525	528678	1045680	1591517	5.00 200	20.0	50.0	100	150
Dibromomethane	FB	Ave	33250 1374213	132633	343000	704730	1046612	5.00 200	20.0	50.0	100	150
1,2-Dichloropropane	FB	Ave	59044 2463770	238357	635341	1255585	1870858	5.00 200	20.0	50.0	100	150
Ethyl acrylate	FB	Ave	84419 3751482	389823	962530	1835090	3090455	5.00 200	20.0	50.0	100	150
Bromodichloromethane	FB	Ave	51505 2361021	217011	567279	1184445	1781016	5.00 200	20.0	50.0	100	150
Methyl methacrylate	FB	Ave	40750 1914092	180177	477353	974099	1445060	5.00 200	20.0	50.0	100	150
1,4-Dioxane	FB	Ave	2770 225605	25046	52767	95552	147902	50.0 2000	200	500	1000	1500
2-Chloroethyl vinyl ether	FB	Ave	25255 1281788	121440	317879	658676	945491	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	FB	Ave	73922 3368183	307193	827197	1683025	2507437	5.00 200	20.0	50.0	100	150
Toluene	CBZ	Ave	197377 8201904	779174	2027680	4116664	6185072	5.00 200	20.0	50.0	100	150
Chloroacetonitrile	FB	Ave	23470 1184046	106503	285760	592031	917426	50.0 2000	200	500	1000	1500
2-Nitropropane	FB	Ave	24538 1230723	108827	283765	576411	920119	10.0 400	40.0	100	200	300
1,1-Dichloro-2-propanone	CBZ	Ave	162762 9531721	846496	2206343	4527963	7072698	25.0 1000	100	250	500	750
Tetrachloroethene	CBZ	Ave	33283 1438317	138258	362726	731319	1078844	5.00 200	20.0	50.0	100	150
methyl isobutyl ketone	CBZ	Ave	74913 3345577	330919	816757	1675634	2530681	5.00 200	20.0	50.0	100	150
trans-1,3-Dichloropropene	FB	Ave	62371 2899852	269040	701147	1476409	2182924	5.00 200	20.0	50.0	100	150
1,1,2-Trichloroethane	FB	Ave	42385 1779658	179372	459390	924873	1355427	5.00 200	20.0	50.0	100	150
Ethyl methacrylate	CBZ	Ave	57705 2792183	262439	693219	1439565	2116921	5.00 200	20.0	50.0	100	150
Dibromochloromethane	CBZ	Ave	39450 2045478	185435	502192	1043822	1562253	5.00 200	20.0	50.0	100	150
1,3-Dichloropropane	CBZ	Ave	78615 3239487	326867	826639	1675941	2456393	5.00 200	20.0	50.0	100	150
1,2-Dibromoethane	CBZ	Ave	49727 2144392	207315	537616	1106473	1636694	5.00 200	20.0	50.0	100	150
2-Hexanone	CBZ	Ave	57368 2644839	245087	627413	1367954	1942273	5.00 200	20.0	50.0	100	150
Chlorobenzene	CBZ	Ave	135417 5362451	534346	1389979	2776451	4152598	5.00 200	20.0	50.0	100	150
1-Chlorohexane	CBZ	Ave	72705 3228445	298791	765236	1539120	2229276	5.00 200	20.0	50.0	100	150
Ethylbenzene	CBZ	Ave	69971 2755870	272774	707607	1409970	2103710	5.00 200	20.0	50.0	100	150
1,1,1,2-Tetrachloroethane	CBZ	Ave	39059 1746678	164953	433561	891702	1340691	5.00 200	20.0	50.0	100	150
m&p-Xylene	CBZ	Ave	167081	693368	1794855	3608835	5336244	10.0	40.0	100	200	300
o-Xylene	CBZ	Ave	82747 3289840	332329	853927	1687014	2467570	5.00 200	20.0	50.0	100	150
Styrene	CBZ	Ave	128177 5499219	552514	1441705	2885107	4248277	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	CBZ	Ave	20436 1174390	101230	276590	587538	878430	5.00 200	20.0	50.0	100	150
Isopropylbenzene	DCB	Ave	191164 7618579	773318	2004896	3952636	5836592	5.00 200	20.0	50.0	100	150
Bromobenzene	DCB	Ave	45216 1814452	189321	484944	954707	1405787	5.00 200	20.0	50.0	100	150
N-Propylbenzene	DCB	Ave	244131 8777487	985030	2540379	5016158	7334655	5.00 200	20.0	50.0	100	150
1,1,2,2-Tetrachloroethane	DCB	Ave	58745 2405591	256277	628247	1243114	1834198	5.00 200	20.0	50.0	100	150
4-Ethyltoluene	DCB	Ave	199945 7805769	822255	2079791	4116027	5974471	5.00 200	20.0	50.0	100	150
2-Chlorotoluene	DCB	Ave	161399 5923103	639273	1627661	3157171	4577494	5.00 200	20.0	50.0	100	150
1,2,3-Trichloropropane	DCB	Ave	16840 656123	71486	174398	342368	520384	5.00 200	20.0	50.0	100	150
1,3,5-Trimethylbenzene	DCB	Ave	163340 6079189	643311	1643045	3171794	4764373	5.00 200	20.0	50.0	100	150
trans-1,4-Dichloro-2-butene	DCB	Ave	28421 1362298	123923	339289	692339	1024952	10.0 400	40.0	100	200	300
4-Chlorotoluene	DCB	Ave	141396 5392310	569115	1442886	2828510	4078925	5.00 200	20.0	50.0	100	150
tert-Butylbenzene	DCB	Ave	144981 5345969	568647	1431980	2778459	4106416	5.00 200	20.0	50.0	100	150
1,2,4-Trimethylbenzene	DCB	Ave	163062 6147249	644181	1651313	3202151	4707951	5.00 200	20.0	50.0	100	150
sec-Butylbenzene	DCB	Ave	226608 8534724	916428	2282881	4419202	6553211	5.00 200	20.0	50.0	100	150
p-Isopropyltoluene	DCB	Ave	176757 6728790	712613	1769459	3509377	5124379	5.00 200	20.0	50.0	100	150
1,3-Dichlorobenzene	DCB	Ave	86008 3193773	336727	855601	1696305	2444030	5.00 200	20.0	50.0	100	150
1,4-Dichlorobenzene	DCB	Ave	89261 3147670	354131	875107	1698237	2478558	5.00 200	20.0	50.0	100	150
p-Diethylbenzene	DCB	Ave	83793 3316108	348589	883677	1743003	2515230	5.00 200	20.0	50.0	100	150
Benzyl chloride	DCB	Ave	13641 794222	70360	193531	393944	590189	5.00 200	20.0	50.0	100	150
n-Butylbenzene	DCB	Ave	230843 9754178	1066807	2775788	5535081	8022241	5.00 200	20.0	50.0	100	150
1,2-Dichlorobenzene	DCB	Ave	79084 2927710	316072	797798	1575325	2250053	5.00 200	20.0	50.0	100	150

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 52848

SDG No.:

Instrument ID: MSN GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/13/2011 17:15 Calibration End Date: 07/13/2011 19:37 Calibration ID: 11460

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,4,5-Tetramethylbenzene	DCB	Ave	134224 5402631	544926	1423658	2850006	4103235	5.00 200	20.0	50.0	100	150
1,2-Dibromo-3-Chloropropane	DCB	Ave	6037 325173	28481	78779	160106	247361	5.00 200	20.0	50.0	100	150
Nitrobenzene	DCB	Ave	12237 1429791	66794	241017	603979	1046466	50.0 2000	200	500	1000	1500
Hexachlorobutadiene	DCB	Ave	26481 939617	102304	241870	492080	715924	5.00 200	20.0	50.0	100	150
1,2,4-Trichlorobenzene	DCB	Ave	47714 1837178	197455	488645	999477	1359449	5.00 200	20.0	50.0	100	150
Naphthalene	DCB	Ave	140376 5208630	560982	1369463	2757696	4003952	5.00 200	20.0	50.0	100	150
1,2,3-Trichlorobenzene	DCB	Ave	45794 1589269	176834	445034	879725	1217968	5.00 200	20.0	50.0	100	150
Dibromofluoromethane	FB	Ave	51593 2199133	212341	286209	1153007	1690633	5.00 200	20.0	25.0	100	150
1,2-Dichloroethane-d4 (Surr)	FB	Ave	48606 1919012	187148	250676	1000415	1438798	5.00 200	20.0	25.0	100	150
Toluene-d8 (Surr)	CBZ	Ave	169994 6988135	670095	904776	3638862	5399164	5.00 200	20.0	25.0	100	150
4-Bromofluorobenzene	DCB	Ave	59209 2210926	238009	317449	1217509	1745176	5.00 200	20.0	25.0	100	150

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3724.D
Lab Smp Id: IC;200 Client Smp ID: IC;200
Inj Date : 13-JUL-2011 17:15 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;200
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:50 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 19:37 Cal File: N3729.D
Als bottle: 100 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.796	4.796	(1.000)	740130	25.0000	
2	Dichlorodifluoromethane	85	1.232	1.232	(0.257)	225686	200.000	110
3	Chloromethane	50	1.271	1.271	(0.265)	3355086	200.000	210(A)
4	Vinyl Chloride	62	1.311	1.311	(0.273)	2222954	200.000	200(A)
5	Bromomethane	94	1.488	1.488	(0.310)	801209	200.000	160
6	Chloroethane	64	1.547	1.547	(0.323)	863481	200.000	140
7	Trichlorofluoromethane	101	1.616	1.616	(0.337)	1858713	200.000	190
8	Dichlorofluoromethane	67	1.646	1.646	(0.343)	2788259	200.000	180
9	Ethyl Ether	45	1.783	1.783	(0.372)	1548025	200.000	180
10	Ethanol	45	1.843	1.843	(0.384)	908006	2000.00	1700
12	Freon 123	67	1.912	1.912	(0.399)	540219	200.000	210(A)
13	Trichlorotrifluoroethane	101	1.921	1.921	(0.401)	2020772	200.000	200(A)
14	1,1-Dichloroethene	96	1.912	1.912	(0.399)	1648575	200.000	200(A)
15	Carbon Disulfide	76	1.941	1.941	(0.405)	7252202	200.000	210(A)
16	Iodomethane	142	2.010	2.010	(0.419)	2212317	200.000	200(A)
17	Acrolein	56	2.109	2.109	(0.440)	2265340	1000.00	1000(A)
18	2-Propanol	45	2.030	2.030	(0.423)	206984	200.000	200
19	3-Chloro-1-Propene	41	2.197	2.197	(0.458)	4189676	200.000	200(A)
20	Methylene Chloride	84	2.266	2.266	(0.473)	4487742	200.000	320(A)
21	Acetone	43	2.296	2.296	(0.479)	1520234	200.000	200(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.365	2.365	(0.493)	1509513	200.000	160
	23 Methyl Acetate	43	2.365	2.365	(0.493)	19577327	200.000	200(A)
	24 Methyl tert-Butyl Ether	73	2.530	2.530	(0.528)	82786	200.000	3(M)
	25 tert-Butyl alcohol	59	2.365	2.365	(0.493)	1684813	1000.00	910(M)
	26 Acetonitrile	41	2.628	2.628	(0.548)	3353323	2000.00	2000
	27 Isopropyl ether	45	2.717	2.717	(0.567)	9834117	200.000	200(A)
	28 tert-Butyl ethyl ether	59	3.032	3.032	(0.632)	7301838	200.000	200(A)
	29 2-Chloro-1,3-Butadiene	88	2.825	2.825	(0.589)	1982322	200.000	210(A)
	30 Acrylonitrile	53	2.875	2.875	(0.599)	2474348	400.000	400
	31 1,1-Dichloroethane	63	2.845	2.845	(0.593)	3950728	200.000	200(A)
	32 Vinyl Acetate	43	3.042	3.042	(0.634)	6564511	200.000	210(A)
	33 cis-1,2-Dichloroethene	96	3.328	3.328	(0.694)	2281529	200.000	200(A)
	34 2,2-Dichloropropane	77	3.446	3.446	(0.719)	2531745	200.000	200(A)
	35 Bromochloromethane	128	3.535	3.535	(0.737)	1156297	200.000	200
	37 Cyclohexane	84	3.554	3.554	(0.741)	3215296	200.000	210(A)
	38 Chloroform	83	3.614	3.614	(0.754)	3249038	200.000	200(A)
	39 Ethyl Acetate	43	3.742	3.742	(0.780)	426870	400.000	420(A)
	40 Methyl Acrylate	55	3.751	3.751	(0.782)	2778843	200.000	210(A)
$	41 Dibromofluoromethane	111	3.820	3.820	(0.797)	2199133	200.000	200(A)
	42 Tetrahydrofuran	42	3.791	3.791	(0.790)	2321865	400.000	410(A)
	43 Carbon Tetrachloride	117	3.781	3.781	(0.788)	2089822	200.000	210(A)
	44 1,1,1-Trichloroethane	97	3.850	3.850	(0.803)	2522692	200.000	210(A)
	45 2-Butanone	43	3.958	3.958	(0.825)	2112959	200.000	210(A)
	46 1,1-Dichloropropene	75	3.998	3.998	(0.834)	2834498	200.000	200(A)
	47 tert-Amyl methyl ether	73	4.451	4.451	(0.928)	5890573	200.000	200(A)
	49 1-Chlorobutane	56	4.067	4.067	(0.848)	4669931	200.000	200(A)
	51 Propionitrile	54	4.323	4.323	(0.901)	4289617	2000.00	2000(A)
	52 Benzene	78	4.303	4.303	(0.897)	8081871	200.000	200(A)
	53 2-Methyl-2-Propenenitrile	41	4.352	4.352	(0.908)	1973216	200.000	200(A)
	54 Isobutyl alcohol	42	4.599	4.599	(0.959)	1071459	2000.00	2000(A)
$	55 1,2-Dichloroethane-d4	65	4.461	4.461	(0.930)	1919012	200.000	200
	56 1,2-Dichloroethane	62	4.540	4.540	(0.947)	2344494	200.000	200(A)
	59 Methyl Cyclohexane	83	4.983	4.983	(1.039)	3606712	200.000	200(A)
	60 Trichloroethene	130	4.993	4.993	(1.041)	2125740	200.000	210(A)
	63 Dibromomethane	93	5.436	5.436	(1.134)	1374213	200.000	200(A)
	64 1,2-Dichloropropane	63	5.535	5.535	(1.154)	2463770	200.000	200(A)
	65 Bromodichloromethane	83	5.613	5.613	(1.170)	2361021	200.000	210(A)
	66 Methyl Methacrylate	69	5.801	5.801	(1.210)	1914092	200.000	210(A)
	67 1,4-Dioxane	58	5.850	5.850	(1.220)	225605	2000.00	2300(M)
	69 2-Chloroethylvinylether	63	6.214	6.214	(1.296)	1281788	200.000	210(A)
	174 Ethyl acrylate	55	5.594	5.594	(1.166)	3751482	200.000	200(A)
	70 cis-1,3-Dichloropropene	75	6.254	6.254	(1.304)	3368183	200.000	210(A)
	71 Chloroacetonitrile	48	6.628	6.628	(1.382)	1184046	2000.00	2100(A)
	72 2-Nitropropane	41	6.707	6.707	(1.398)	1230723	400.000	440(A)
	73 trans-1,3-Dichloropropene	75	6.894	6.894	(1.438)	2899852	200.000	210(A)
	74 1,1,2-Trichloroethane	97	7.042	7.042	(1.468)	1779658	200.000	200
*	75 Chlorobenzene-d5	117	7.879	7.879	(1.000)	597181	25.0000	
	76 Toluene	91	6.490	6.490	(0.824)	8201904	200.000	210(A)
$	77 Toluene-d8	98	6.441	6.441	(0.817)	6988135	200.000	200(A)
	78 1,1-Dichloro-2-propanone	43	6.717	6.717	(0.852)	9531721	1000.00	1100(A)
	79 4-Methyl-2-Pentanone	43	6.865	6.865	(0.871)	3345577	200.000	210(A)
	80 Tetrachloroethene	164	6.855	6.855	(0.870)	1438317	200.000	210(A)
	81 Ethyl Methacrylate	69	7.071	7.071	(0.897)	2792183	200.000	210(A)
	82 Dibromochloromethane	129	7.200	7.200	(0.914)	2045478	200.000	220(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.288	7.288	(0.925)	3239487	200.000	200(A)
84	1,2-Dibromoethane	107	7.397	7.397	(0.939)	2144392	200.000	210(A)
86	2-Hexanone	43	7.643	7.643	(0.970)	2644839	200.000	210(A)
87	1-Chlorohexane	91	7.899	7.899	(1.002)	3228445	200.000	220(A)
88	Chlorobenzene	112	7.889	7.889	(1.001)	5362451	200.000	200(A)
89	1,1,1,2-Tetrachloroethane	131	7.958	7.958	(1.010)	1746678	200.000	210(A)
90	Ethylbenzene	106	7.929	7.929	(1.006)	2755870	200.000	200(A)
91	Xylene (total)mp	106	8.057	8.057	(1.023)	16024652	400.000	940(A)
92	Xylene (total)o	106	8.443	8.443	(1.072)	3289840	200.000	200(A)
93	Styrene	104	8.482	8.482	(1.077)	5499219	200.000	200(A)
94	Bromoform	173	8.502	8.502	(1.079)	1174390	200.000	220(A)
* 95	1,4-Dichlorobenzene-d4	152	9.930	9.930	(1.000)	227040	25.0000	
96	Isopropylbenzene	105	8.719	8.719	(0.878)	7618579	200.000	200(A)
97	Bromobenzene	156	9.044	9.044	(0.911)	1814452	200.000	200(A)
98	1,1,2,2-Tetrachloroethane	83	9.152	9.152	(0.922)	2405591	200.000	200(AH)
99	4-Ethyltoluene	105	9.182	9.182	(0.925)	7805769	200.000	200(AH)
100	1,2,3-Trichloropropane	110	9.251	9.251	(0.932)	656123	200.000	200(A)
101	trans-1,4-Dichloro-2-Butene	53	9.300	9.300	(0.937)	1362298	400.000	440(A)
102	n-Propylbenzene	91	9.083	9.083	(0.915)	8777487	200.000	190(H)
103	2-Chlorotoluene	91	9.211	9.211	(0.928)	5923103	200.000	200(H)
104	4-Chlorotoluene	91	9.359	9.359	(0.942)	5392310	200.000	200(A)
105	1,3,5-Trimethylbenzene	105	9.260	9.260	(0.933)	6079189	200.000	200(A)
106	tert-Butylbenzene	119	9.536	9.536	(0.960)	5345969	200.000	200(A)
107	1,2,4-Trimethylbenzene	105	9.595	9.595	(0.966)	6147249	200.000	200(A)
108	sec-Butylbenzene	105	9.684	9.684	(0.975)	8534724	200.000	200(A)
109	4-Isopropyltoluene	119	9.822	9.822	(0.989)	6728790	200.000	200(A)
110	1,3-Dichlorobenzene	146	9.871	9.871	(0.994)	3193773	200.000	200(A)
111	1,4-Dichlorobenzene	146	9.950	9.950	(1.002)	3147670	200.000	190
112	1,2-Dichlorobenzene	146	10.305	10.305	(1.038)	2927710	200.000	200
113	Benzyl Chloride	126	10.167	10.167	(1.024)	794222	200.000	230(A)
114	1,4-Diethylbenzene	119	10.137	10.137	(1.021)	3316108	200.000	200(A)
115	n-Butylbenzene	91	10.186	10.186	(1.026)	9754178	200.000	200
118	1,2,4,5-Tetramethylbenzene	119	10.837	10.837	(1.091)	5402631	200.000	200(A)
119	1,2-Dibromo-3-chloropropane	75	11.004	11.004	(1.108)	325173	200.000	220(A)
120	Nitrobenzene	77	11.497	11.497	(1.158)	1429791	2000.00	2900(A)
121	1,2,4-Trichlorobenzene	180	11.605	11.605	(1.169)	1837178	200.000	200(A)
122	Hexachlorobutadiene	225	11.595	11.595	(1.168)	939617	200.000	200
123	Naphthalene	128	11.881	11.881	(1.196)	5208630	200.000	200(A)
124	1,2,3-Trichlorobenzene	180	12.048	12.048	(1.213)	1589269	200.000	190
$ 125	Bromofluorobenzene	95	8.955	8.955	(0.902)	2210926	200.000	200
M 126	1,2-Dichloroethene (total)	100				3791042	400.000	360
M 127	Xylene (total)	100				19314492	600.000	1100

QC Flag Legend

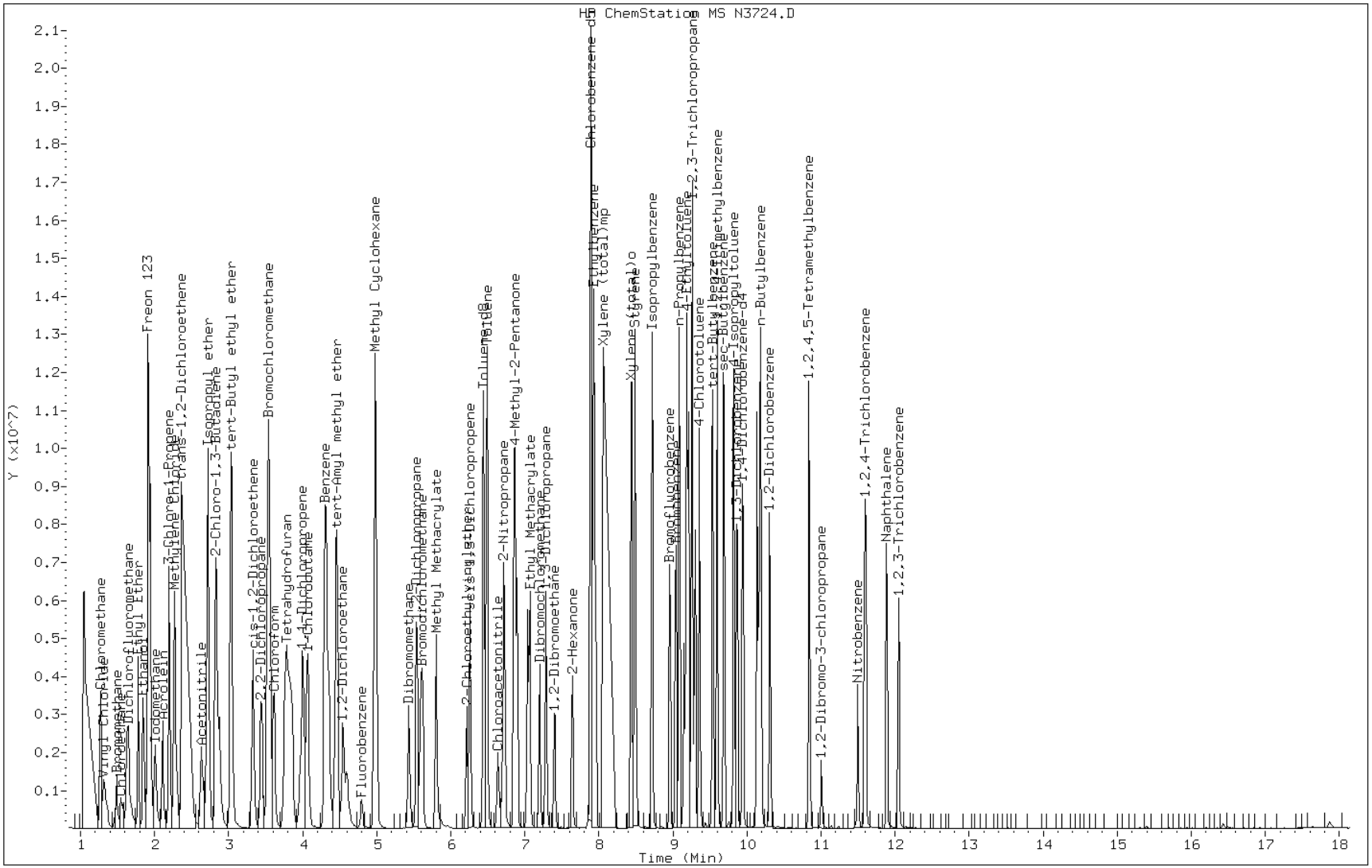
A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3724.D

Date: 13-JUL-2011 17:15

Client ID: IC;200 Instrument: msn.i

Sample Info: IC;200 Operator: D. HUMBERT



Manual Integration Report

Data File: N3724.D
Inj. Date and Time: 13-JUL-2011 17:15
Instrument ID: msn.i
Client ID: IC;200
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

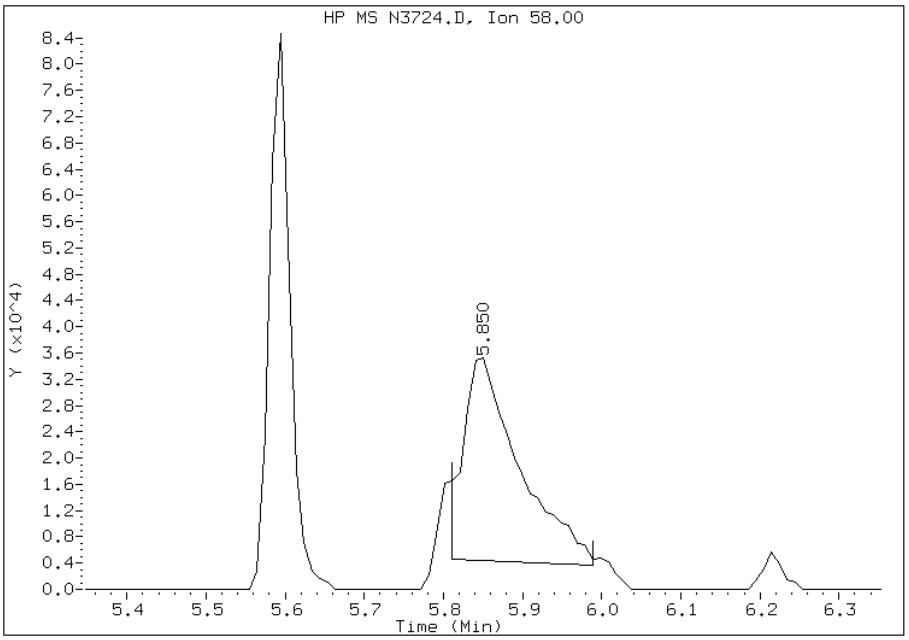
Processing Integration Results

RT: 5.85

Response: 156930

Amount: 1847

Conc: 1847



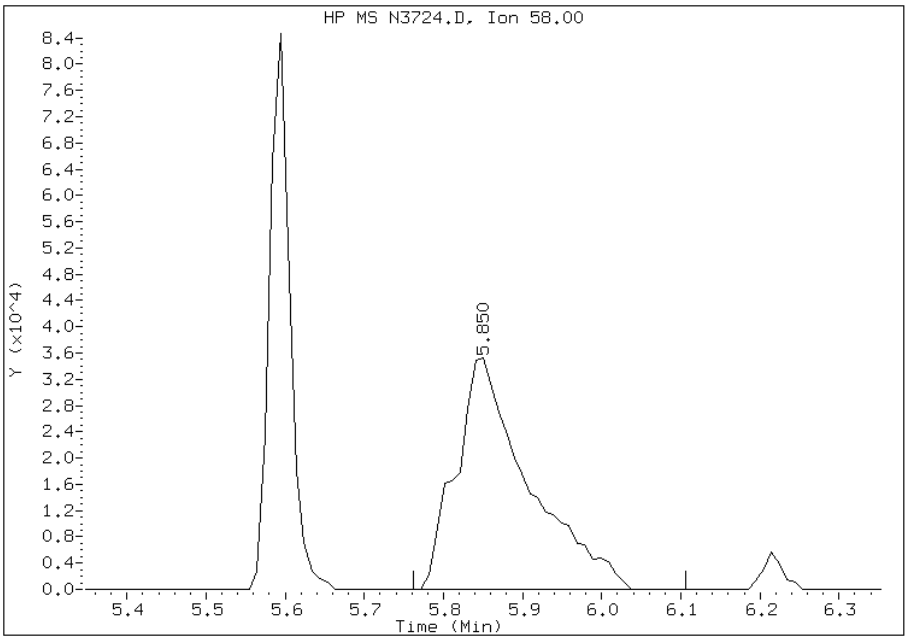
Manual Integration Results

RT: 5.85

Response: 225605

Amount: 2291

Conc: 2291



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3725.D
Lab Smp Id: IC;150 Client Smp ID: IC;150
Inj Date : 13-JUL-2011 17:41 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;150
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 100 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.800	4.800	(1.000)	730844	25.0000	
2	Dichlorodifluoromethane	85	1.214	1.214	(0.253)	470699	150.000	420(A)
3	Chloromethane	50	1.273	1.273	(0.265)	2453800	150.000	150
4	Vinyl Chloride	62	1.313	1.313	(0.274)	1687997	150.000	150
5	Bromomethane	94	1.480	1.480	(0.308)	553948	150.000	140
6	Chloroethane	64	1.549	1.549	(0.323)	774383	150.000	180
7	Trichlorofluoromethane	101	1.618	1.618	(0.337)	1489147	150.000	160
8	Dichlorofluoromethane	67	1.648	1.648	(0.343)	2282341	150.000	160
9	Ethyl Ether	45	1.786	1.786	(0.372)	1203989	150.000	160
10	Ethanol	45	1.845	1.845	(0.384)	794344	1500.00	1800
12	Freon 123	67	1.914	1.914	(0.399)	409636	150.000	150
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.401)	1528919	150.000	150
14	1,1-Dichloroethene	96	1.914	1.914	(0.399)	1256870	150.000	150
15	Carbon Disulfide	76	1.943	1.943	(0.405)	5429780	150.000	150
16	Iodomethane	142	2.012	2.012	(0.419)	1705173	150.000	160
17	Acrolein	56	2.111	2.111	(0.440)	1683278	750.000	750
18	2-Propanol	45	2.032	2.032	(0.423)	142311	150.000	140
19	3-Chloro-1-Propene	41	2.199	2.199	(0.458)	3137991	150.000	150
20	Methylene Chloride	84	2.268	2.268	(0.473)	1692718	150.000	76
21	Acetone	43	2.298	2.298	(0.479)	1053312	150.000	140

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.495)	1538259	150.000	210(A)
	23 Methyl Acetate	43	2.367	2.367	(0.493)	10530741	150.000	110
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.510)	4305397	150.000	0.0
	25 tert-Butyl alcohol	59	2.485	2.485	(0.518)	1457024	750.000	0.0(H)
	26 Acetonitrile	41	2.633	2.633	(0.549)	2599928	1500.00	1600
	27 Isopropyl ether	45	2.722	2.722	(0.567)	7236639	150.000	150
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.633)	5439348	150.000	150
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.590)	1451364	150.000	150
	30 Acrylonitrile	53	2.879	2.879	(0.600)	1837148	300.000	300
	31 1,1-Dichloroethane	63	2.850	2.850	(0.594)	2982232	150.000	150
	32 Vinyl Acetate	43	3.047	3.047	(0.635)	4773306	150.000	150
	33 cis-1,2-Dichloroethene	96	3.332	3.332	(0.694)	1722796	150.000	150
	34 2,2-Dichloropropane	77	3.441	3.441	(0.717)	1913463	150.000	150
	35 Bromochloromethane	128	3.539	3.539	(0.737)	880280	150.000	150
	37 Cyclohexane	84	3.549	3.549	(0.739)	2400461	150.000	150
	38 Chloroform	83	3.608	3.608	(0.752)	2428227	150.000	150
	39 Ethyl Acetate	43	3.746	3.746	(0.780)	289709	300.000	270
	40 Methyl Acrylate	55	3.756	3.756	(0.782)	2071612	150.000	150
$	41 Dibromofluoromethane	111	3.815	3.815	(0.795)	1690633	150.000	160
	42 Tetrahydrofuran	42	3.795	3.795	(0.791)	1744788	300.000	300
	43 Carbon Tetrachloride	117	3.776	3.776	(0.787)	1560914	150.000	150
	44 1,1,1-Trichloroethane	97	3.854	3.854	(0.803)	1876824	150.000	150
	45 2-Butanone	43	3.963	3.963	(0.826)	1492052	150.000	140
	46 1,1-Dichloropropene	75	4.002	4.002	(0.834)	2092794	150.000	150
	47 tert-Amyl methyl ether	73	4.455	4.455	(0.928)	4425955	150.000	150
	49 1-Chlorobutane	56	4.071	4.071	(0.848)	3498587	150.000	150
	51 Propionitrile	54	4.327	4.327	(0.902)	3309701	1500.00	1600
	52 Benzene	78	4.308	4.308	(0.897)	6053560	150.000	150
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.908)	1465873	150.000	150
	54 Isobutyl alcohol	42	4.583	4.583	(0.955)	829787	1500.00	1600
$	55 1,2-Dichloroethane-d4	65	4.465	4.465	(0.930)	1438798	150.000	150
	56 1,2-Dichloroethane	62	4.544	4.544	(0.947)	1747509	150.000	150
	59 Methyl Cyclohexane	83	4.978	4.978	(1.037)	2697778	150.000	150
	60 Trichloroethene	130	4.987	4.987	(1.039)	1591517	150.000	150
	63 Dibromomethane	93	5.431	5.431	(1.131)	1046612	150.000	150
	64 1,2-Dichloropropane	63	5.539	5.539	(1.154)	1870858	150.000	150
	65 Bromodichloromethane	83	5.618	5.618	(1.170)	1781016	150.000	150
	66 Methyl Methacrylate	69	5.805	5.805	(1.209)	1445060	150.000	150
	67 1,4-Dioxane	58	5.835	5.835	(1.215)	147902	1500.00	1300
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.296)	945491	150.000	150
	174 Ethyl acrylate	55	5.588	5.588	(1.164)	3090455	150.000	170(A)
	70 cis-1,3-Dichloropropene	75	6.258	6.258	(1.304)	2507437	150.000	150
	71 Chloroacetonitrile	48	6.633	6.633	(1.382)	917426	1500.00	1600
	72 2-Nitropropane	41	6.702	6.702	(1.396)	920119	300.000	300
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.437)	2182924	150.000	150
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.466)	1355427	150.000	150
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	600964	25.0000	
	76 Toluene	91	6.495	6.495	(0.825)	6185072	150.000	150
$	77 Toluene-d8	98	6.445	6.445	(0.819)	5399164	150.000	150
	78 1,1-Dichloro-2-propanone	43	6.721	6.721	(0.854)	7072698	750.000	740
	79 4-Methyl-2-Pentanone	43	6.859	6.859	(0.871)	2530681	150.000	150
	80 Tetrachloroethene	164	6.859	6.859	(0.871)	1078844	150.000	150
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	2116921	150.000	150
	82 Dibromochloromethane	129	7.204	7.204	(0.915)	1562253	150.000	150

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	2456393	150.000	150
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	1636694	150.000	150
86	2-Hexanone	43	7.637	7.637	(0.970)	1942273	150.000	140
87	1-Chlorohexane	91	7.894	7.894	(1.002)	2229276	150.000	140
88	Chlorobenzene	112	7.894	7.894	(1.002)	4152598	150.000	150
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	1340691	150.000	150
90	Ethylbenzene	106	7.923	7.923	(1.006)	2103710	150.000	150
91	Xylene (total)mp	106	8.061	8.061	(1.024)	5336244	300.000	0.0
92	Xylene (total)o	106	8.435	8.435	(1.071)	2467570	150.000	150
93	Styrene	104	8.485	8.485	(1.078)	4248277	150.000	150
94	Bromoform	173	8.495	8.495	(1.079)	878430	150.000	150
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	227721	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	5836592	150.000	150
97	Bromobenzene	156	9.036	9.036	(0.910)	1405787	150.000	150
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	1834198	150.000	150
99	4-Ethyltoluene	105	9.184	9.184	(0.925)	5974471	150.000	150(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	520384	150.000	160
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	1024952	300.000	300
102	n-Propylbenzene	91	9.086	9.086	(0.915)	7334655	150.000	170
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	4577494	150.000	150
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	4078925	150.000	150
105	1,3,5-Trimethylbenzene	105	9.263	9.263	(0.933)	4764373	150.000	160
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	4106416	150.000	150
107	1,2,4-Trimethylbenzene	105	9.598	9.598	(0.966)	4707951	150.000	150
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	6553211	150.000	150
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	5124379	150.000	150
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	2444030	150.000	150
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	2478558	150.000	160
112	1,2-Dichlorobenzene	146	10.307	10.307	(1.038)	2250053	150.000	150
113	Benzyl Chloride	126	10.160	10.160	(1.023)	590189	150.000	150
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	2515230	150.000	150
115	n-Butylbenzene	91	10.179	10.179	(1.025)	8022241	150.000	160
118	1,2,4,5-Tetramethylbenzene	119	10.839	10.839	(1.091)	4103235	150.000	150
119	1,2-Dibromo-3-chloropropane	75	10.997	10.997	(1.107)	247361	150.000	150
120	Nitrobenzene	77	11.489	11.489	(1.157)	1046466	1500.00	1400
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	1359449	150.000	150
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	715924	150.000	150
123	Naphthalene	128	11.884	11.884	(1.196)	4003952	150.000	150
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	1217968	150.000	150
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	1745176	150.000	160
M 126	1,2-Dichloroethene (total)	100				3261055	300.000	360
M 127	Xylene (total)	100				7803814	450.000	150

QC Flag Legend

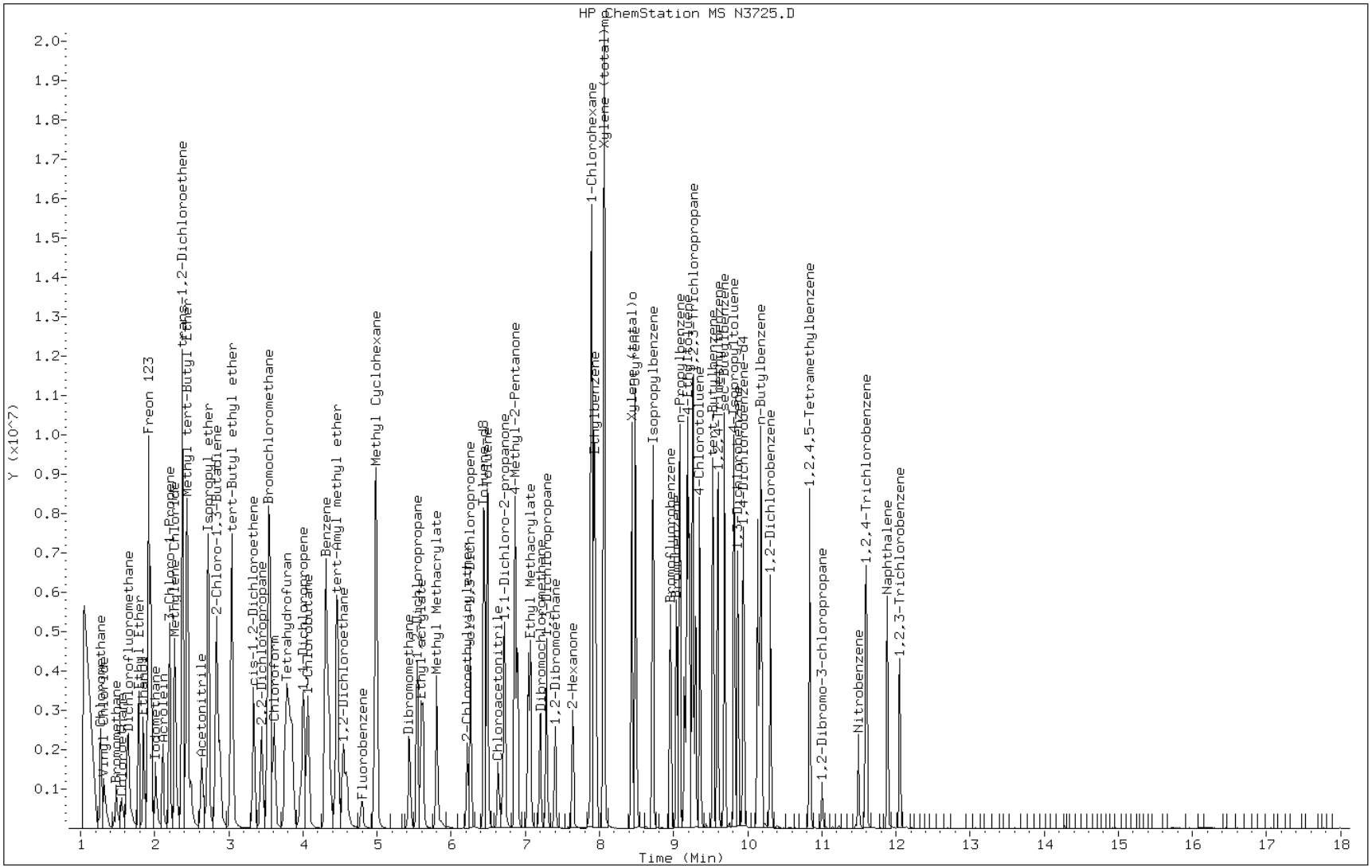
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3725.D

Date: 13-JUL-2011 17:41

Client ID: IC;150 Instrument: msn.i

Sample Info: IC;150 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3726.D
Lab Smp Id: IC;100 Client Smp ID: IC;100
Inj Date : 13-JUL-2011 18:21 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;100
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 17:41 Cal File: N3725.D
Als bottle: 100 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.801	4.801	(1.000)	769182	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.253)	258784	100.000	120
3	Chloromethane	50	1.274	1.274	(0.265)	1649034	100.000	95
4	Vinyl Chloride	62	1.313	1.313	(0.274)	1132467	100.000	97
5	Bromomethane	94	1.481	1.481	(0.308)	462808	100.000	110
6	Chloroethane	64	1.550	1.550	(0.323)	617745	100.000	120
7	Trichlorofluoromethane	101	1.628	1.628	(0.339)	1042639	100.000	100
8	Dichlorofluoromethane	67	1.648	1.648	(0.343)	1600351	100.000	100
9	Ethyl Ether	45	1.786	1.786	(0.372)	855163	100.000	100
10	Ethanol	45	1.845	1.845	(0.384)	535373	1000.00	1000
12	Freon 123	67	1.914	1.914	(0.399)	277791	100.000	98
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.401)	1040234	100.000	98
14	1,1-Dichloroethene	96	1.914	1.914	(0.399)	856259	100.000	98
15	Carbon Disulfide	76	1.944	1.944	(0.405)	3613695	100.000	95
16	Iodomethane	142	2.013	2.013	(0.419)	1158858	100.000	99
17	Acrolein	56	2.111	2.111	(0.440)	1116918	500.000	470
18	2-Propanol	45	2.032	2.032	(0.423)	94223	100.000	91
19	3-Chloro-1-Propene	41	2.200	2.200	(0.458)	2132891	100.000	97
20	Methylene Chloride	84	2.269	2.269	(0.473)	1163552	100.000	66
21	Acetone	43	2.288	2.288	(0.477)	810295	100.000	100

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.495)	1037704	100.000	110
	23 Methyl Acetate	43	2.367	2.367	(0.493)	7081331	100.000	130
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.510)	2951487	100.000	98
	25 tert-Butyl alcohol	59	2.485	2.485	(0.518)	926472	500.000	450(H)
	26 Acetonitrile	41	2.633	2.633	(0.549)	1656565	1000.00	930
	27 Isopropyl ether	45	2.722	2.722	(0.567)	4964996	100.000	97
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.633)	3730091	100.000	98
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.590)	963718	100.000	94
	30 Acrylonitrile	53	2.879	2.879	(0.600)	1290327	200.000	200
	31 1,1-Dichloroethane	63	2.840	2.840	(0.592)	2029902	100.000	98
	32 Vinyl Acetate	43	3.037	3.037	(0.633)	3302164	100.000	98
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.694)	1156231	100.000	96
	34 2,2-Dichloropropane	77	3.441	3.441	(0.717)	1254223	100.000	94
	35 Bromochloromethane	128	3.540	3.540	(0.737)	589229	100.000	97
	37 Cyclohexane	84	3.549	3.549	(0.739)	1617079	100.000	96
	38 Chloroform	83	3.608	3.608	(0.752)	1627838	100.000	96
	39 Ethyl Acetate	43	3.746	3.746	(0.780)	197805	200.000	220
	40 Methyl Acrylate	55	3.756	3.756	(0.782)	1374213	100.000	95
$	41 Dibromofluoromethane	111	3.815	3.815	(0.795)	1153007	100.000	99
	42 Tetrahydrofuran	42	3.786	3.786	(0.789)	1125242	200.000	180
	43 Carbon Tetrachloride	117	3.776	3.776	(0.787)	1023789	100.000	94
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.803)	1246072	100.000	95
	45 2-Butanone	43	3.963	3.963	(0.826)	1051659	100.000	98
	46 1,1-Dichloropropene	75	4.003	4.003	(0.834)	1416195	100.000	96
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.928)	3042366	100.000	99
	49 1-Chlorobutane	56	4.062	4.062	(0.846)	2341934	100.000	96
	51 Propionitrile	54	4.328	4.328	(0.902)	2122871	1000.00	930
	52 Benzene	78	4.308	4.308	(0.897)	4054672	100.000	96
	53 2-Methyl-2-Propenenitrile	41	4.347	4.347	(0.906)	969546	100.000	94
	54 Isobutyl alcohol	42	4.584	4.584	(0.955)	549170	1000.00	960
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.930)	1000415	100.000	100
	56 1,2-Dichloroethane	62	4.544	4.544	(0.947)	1181570	100.000	97
	59 Methyl Cyclohexane	83	4.978	4.978	(1.037)	1839603	100.000	98
	60 Trichloroethene	130	4.988	4.988	(1.039)	1045680	100.000	94
	63 Dibromomethane	93	5.431	5.431	(1.131)	704730	100.000	97
	64 1,2-Dichloropropane	63	5.539	5.539	(1.154)	1255585	100.000	97
	65 Bromodichloromethane	83	5.618	5.618	(1.170)	1184445	100.000	96
	66 Methyl Methacrylate	69	5.805	5.805	(1.209)	974099	100.000	97
	67 1,4-Dioxane	58	5.835	5.835	(1.215)	95552	1000.00	860
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.295)	658676	100.000	99
	174 Ethyl acrylate	55	5.589	5.589	(1.164)	1835090	100.000	89(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.304)	1683025	100.000	96
	71 Chloroacetonitrile	48	6.633	6.633	(1.382)	592031	1000.00	940
	72 2-Nitropropane	41	6.702	6.702	(1.396)	576411	200.000	180
	73 trans-1,3-Dichloropropene	75	6.889	6.889	(1.435)	1476409	100.000	97
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.466)	924873	100.000	99
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	621382	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	4116664	100.000	96
$	77 Toluene-d8	98	6.436	6.436	(0.817)	3638862	100.000	99
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	4527963	500.000	460
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	1675634	100.000	96
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	731319	100.000	98
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	1439565	100.000	99
	82 Dibromochloromethane	129	7.204	7.204	(0.915)	1043822	100.000	98

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	1675941	100.000	99
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	1106473	100.000	99
86	2-Hexanone	43	7.638	7.638	(0.970)	1367954	100.000	100
87	1-Chlorohexane	91	7.894	7.894	(1.002)	1539120	100.000	96
88	Chlorobenzene	112	7.894	7.894	(1.002)	2776451	100.000	98
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	891702	100.000	97
90	Ethylbenzene	106	7.924	7.924	(1.006)	1409970	100.000	98
91	Xylene (total)mp	106	8.061	8.061	(1.024)	3608835	200.000	200
92	Xylene (total)o	106	8.436	8.436	(1.071)	1687014	100.000	99
93	Styrene	104	8.485	8.485	(1.078)	2885107	100.000	100
94	Bromoform	173	8.495	8.495	(1.079)	587538	100.000	96
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	243723	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	3952636	100.000	96
97	Bromobenzene	156	9.037	9.037	(0.910)	954707	100.000	96
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	1243114	100.000	96
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	4116027	100.000	97(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	342368	100.000	95
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	692339	200.000	190
102	n-Propylbenzene	91	9.086	9.086	(0.915)	5016158	100.000	100
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	3157171	100.000	98
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	2828510	100.000	97
105	1,3,5-Trimethylbenzene	105	9.263	9.263	(0.933)	3171794	100.000	95
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	2778459	100.000	96
107	1,2,4-Trimethylbenzene	105	9.598	9.598	(0.966)	3202151	100.000	96
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	4419202	100.000	95
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	3509377	100.000	96
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	1696305	100.000	98
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	1698237	100.000	98
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	1575325	100.000	99
113	Benzyl Chloride	126	10.160	10.160	(1.023)	393944	100.000	93
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	1743003	100.000	98
115	n-Butylbenzene	91	10.180	10.180	(1.025)	5535081	100.000	100
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	2850006	100.000	98
119	1,2-Dibromo-3-chloropropane	75	11.007	11.007	(1.108)	160106	100.000	91
120	Nitrobenzene	77	11.500	11.500	(1.158)	603979	1000.00	800
121	1,2,4-Trichlorobenzene	180	11.608	11.608	(1.169)	999477	100.000	100
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	492080	100.000	97
123	Naphthalene	128	11.884	11.884	(1.196)	2757696	100.000	98
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	879725	100.000	100
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	1217509	100.000	100
M 126	1,2-Dichloroethene (total)	100				2193935	200.000	210
M 127	Xylene (total)	100				5295849	300.000	300

QC Flag Legend

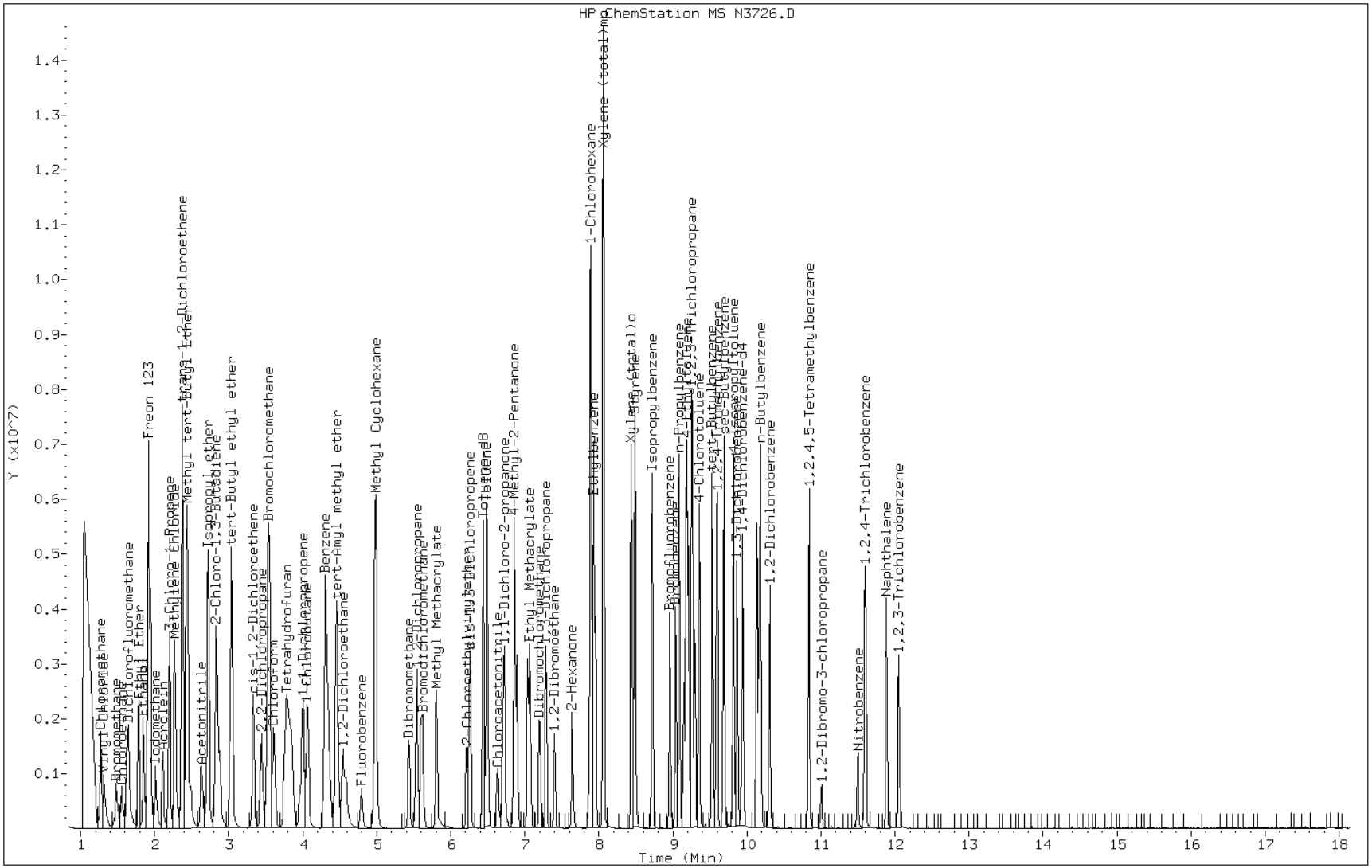
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3726.D

Date: 13-JUL-2011 18:21

Client ID: IC;100 Instrument: msn.i

Sample Info: IC;100 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3727.D
Lab Smp Id: IC;50 Client Smp ID: IC;50
Inj Date : 13-JUL-2011 18:46 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;50
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 18:21 Cal File: N3726.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.791	4.791	(1.000)	758998	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.254)	119524	50.0000	51
3	Chloromethane	50	1.274	1.274	(0.266)	836506	50.0000	50
4	Vinyl Chloride	62	1.313	1.313	(0.274)	590823	50.0000	52
5	Bromomethane	94	1.481	1.481	(0.309)	289883	50.0000	70
6	Chloroethane	64	1.550	1.550	(0.324)	359399	50.0000	68
7	Trichlorofluoromethane	101	1.629	1.629	(0.340)	546040	50.0000	54
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	857570	50.0000	56
9	Ethyl Ether	45	1.786	1.786	(0.373)	439848	50.0000	53
10	Ethanol	45	1.845	1.845	(0.385)	300726	500.000	580
12	Freon 123	67	1.914	1.914	(0.400)	118741	50.0000	43
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	511302	50.0000	49
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	424684	50.0000	50
15	Carbon Disulfide	76	1.944	1.944	(0.406)	1759798	50.0000	48
16	Iodomethane	142	2.013	2.013	(0.420)	577920	50.0000	50
17	Acrolein	56	2.111	2.111	(0.441)	560311	250.000	240
18	2-Propanol	45	2.033	2.033	(0.424)	56407	50.0000	57
19	3-Chloro-1-Propene	41	2.200	2.200	(0.459)	1058437	50.0000	49
20	Methylene Chloride	84	2.269	2.269	(0.474)	609619	50.0000	40
21	Acetone	43	2.289	2.289	(0.478)	374450	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	516947	50.0000	54
	23 Methyl Acetate	43	2.368	2.368	(0.494)	3482493	50.0000	41
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	1423011	50.0000	48
	25 tert-Butyl alcohol	59	2.486	2.486	(0.519)	460839	250.000	240(H)
	26 Acetonitrile	41	2.624	2.624	(0.548)	872711	500.000	510
	27 Isopropyl ether	45	2.722	2.722	(0.568)	2437433	50.0000	49
	28 tert-Butyl ethyl ether	59	3.028	3.028	(0.632)	1839842	50.0000	49
	29 2-Chloro-1,3-Butadiene	88	2.831	2.831	(0.591)	471547	50.0000	48
	30 Acrylonitrile	53	2.880	2.880	(0.601)	651638	100.000	100
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	1004622	50.0000	49
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	1631575	50.0000	49
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.696)	577199	50.0000	49
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	626982	50.0000	49
	35 Bromochloromethane	128	3.540	3.540	(0.739)	297486	50.0000	50
	37 Cyclohexane	84	3.550	3.550	(0.741)	802547	50.0000	49
	38 Chloroform	83	3.609	3.609	(0.753)	814679	50.0000	49
	39 Ethyl Acetate	43	3.747	3.747	(0.782)	106313	100.000	130
	40 Methyl Acrylate	55	3.757	3.757	(0.784)	681087	50.0000	48
$	41 Dibromofluoromethane	111	3.816	3.816	(0.796)	286209	25.0000	25
	42 Tetrahydrofuran	42	3.786	3.786	(0.790)	568227	100.000	97
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	510068	50.0000	48
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.805)	616285	50.0000	48
	45 2-Butanone	43	3.964	3.964	(0.827)	487874	50.0000	46
	46 1,1-Dichloropropene	75	4.003	4.003	(0.836)	698041	50.0000	49
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.930)	1475093	50.0000	49
	49 1-Chlorobutane	56	4.062	4.062	(0.848)	1155684	50.0000	49
	51 Propionitrile	54	4.318	4.318	(0.901)	1072172	500.000	490
	52 Benzene	78	4.308	4.308	(0.899)	2007111	50.0000	49
	53 2-Methyl-2-Propenenitrile	41	4.348	4.348	(0.907)	480735	50.0000	48
	54 Isobutyl alcohol	42	4.584	4.584	(0.957)	272204	500.000	490
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.932)	250676	25.0000	25
	56 1,2-Dichloroethane	62	4.545	4.545	(0.949)	590539	50.0000	50
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	907392	50.0000	49
	60 Trichloroethene	130	4.988	4.988	(1.041)	528678	50.0000	49
	63 Dibromomethane	93	5.431	5.431	(1.134)	343000	50.0000	48
	64 1,2-Dichloropropane	63	5.540	5.540	(1.156)	635341	50.0000	50
	65 Bromodichloromethane	83	5.619	5.619	(1.173)	567279	50.0000	47
	66 Methyl Methacrylate	69	5.806	5.806	(1.212)	477353	50.0000	49
	67 1,4-Dioxane	58	5.826	5.826	(1.216)	52767	500.000	510
	69 2-Chloroethylvinylether	63	6.220	6.220	(1.298)	317879	50.0000	49
	174 Ethyl acrylate	55	5.589	5.589	(1.167)	962530	50.0000	49(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.306)	827197	50.0000	48
	71 Chloroacetonitrile	48	6.633	6.633	(1.384)	285760	500.000	470
	72 2-Nitropropane	41	6.702	6.702	(1.399)	283765	100.000	93
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.440)	701147	50.0000	47
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	459390	50.0000	50
*	75 Chlorobenzene-d5	117	7.875	7.875	(1.000)	630483	25.0000	
	76 Toluene	91	6.486	6.486	(0.824)	2027680	50.0000	47
$	77 Toluene-d8	98	6.446	6.446	(0.819)	904776	25.0000	24
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	2206343	250.000	230
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	816757	50.0000	47
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	362726	50.0000	48
	81 Ethyl Methacrylate	69	7.067	7.067	(0.897)	693219	50.0000	47
	82 Dibromochloromethane	129	7.205	7.205	(0.915)	502192	50.0000	47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.284	7.284	(0.925)	826639	50.0000	48
84	1,2-Dibromoethane	107	7.402	7.402	(0.940)	537616	50.0000	47
86	2-Hexanone	43	7.638	7.638	(0.970)	627413	50.0000	45
87	1-Chlorohexane	91	7.894	7.894	(1.002)	765236	50.0000	48
88	Chlorobenzene	112	7.894	7.894	(1.002)	1389979	50.0000	49
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	433561	50.0000	47
90	Ethylbenzene	106	7.924	7.924	(1.006)	707607	50.0000	49
91	Xylene (total)mp	106	8.062	8.062	(1.024)	1794855	100.000	97
92	Xylene (total)o	106	8.436	8.436	(1.071)	853927	50.0000	50
93	Styrene	104	8.485	8.485	(1.078)	1441705	50.0000	49
94	Bromoform	173	8.495	8.495	(1.079)	276590	50.0000	45
* 95	1,4-Dichlorobenzene-d4	152	9.934	9.934	(1.000)	246434	25.0000	
96	Isopropylbenzene	105	8.722	8.722	(0.878)	2004896	50.0000	49
97	Bromobenzene	156	9.037	9.037	(0.910)	484944	50.0000	49
98	1,1,2,2-Tetrachloroethane	83	9.146	9.146	(0.921)	628247	50.0000	48
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	2079791	50.0000	49(H)
100	1,2,3-Trichloropropane	110	9.254	9.254	(0.932)	174398	50.0000	48
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	339289	100.000	93
102	n-Propylbenzene	91	9.086	9.086	(0.915)	2540379	50.0000	50
103	2-Chlorotoluene	91	9.205	9.205	(0.927)	1627661	50.0000	50
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	1442886	50.0000	50
105	1,3,5-Trimethylbenzene	105	9.264	9.264	(0.933)	1643045	50.0000	50
106	tert-Butylbenzene	119	9.530	9.530	(0.959)	1431980	50.0000	50
107	1,2,4-Trimethylbenzene	105	9.599	9.599	(0.966)	1651313	50.0000	50
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	2282881	50.0000	50
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	1769459	50.0000	49
110	1,3-Dichlorobenzene	146	9.865	9.865	(0.993)	855601	50.0000	49
111	1,4-Dichlorobenzene	146	9.944	9.944	(1.001)	875107	50.0000	50
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	797798	50.0000	50
113	Benzyl Chloride	126	10.160	10.160	(1.023)	193531	50.0000	46
114	1,4-Diethylbenzene	119	10.131	10.131	(1.020)	883677	50.0000	49
115	n-Butylbenzene	91	10.180	10.180	(1.025)	2775788	50.0000	50
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	1423658	50.0000	49
119	1,2-Dibromo-3-chloropropane	75	10.998	10.998	(1.107)	78779	50.0000	46
120	Nitrobenzene	77	11.500	11.500	(1.158)	241017	500.000	340
121	1,2,4-Trichlorobenzene	180	11.599	11.599	(1.168)	488645	50.0000	49
122	Hexachlorobutadiene	225	11.589	11.589	(1.167)	241870	50.0000	48
123	Naphthalene	128	11.884	11.884	(1.196)	1369463	50.0000	48
124	1,2,3-Trichlorobenzene	180	12.052	12.052	(1.213)	445034	50.0000	51
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	317449	25.0000	26
M 126	1,2-Dichloroethene (total)	100				1094146	100.000	100
M 127	Xylene (total)	100				2648782	150.000	150

QC Flag Legend

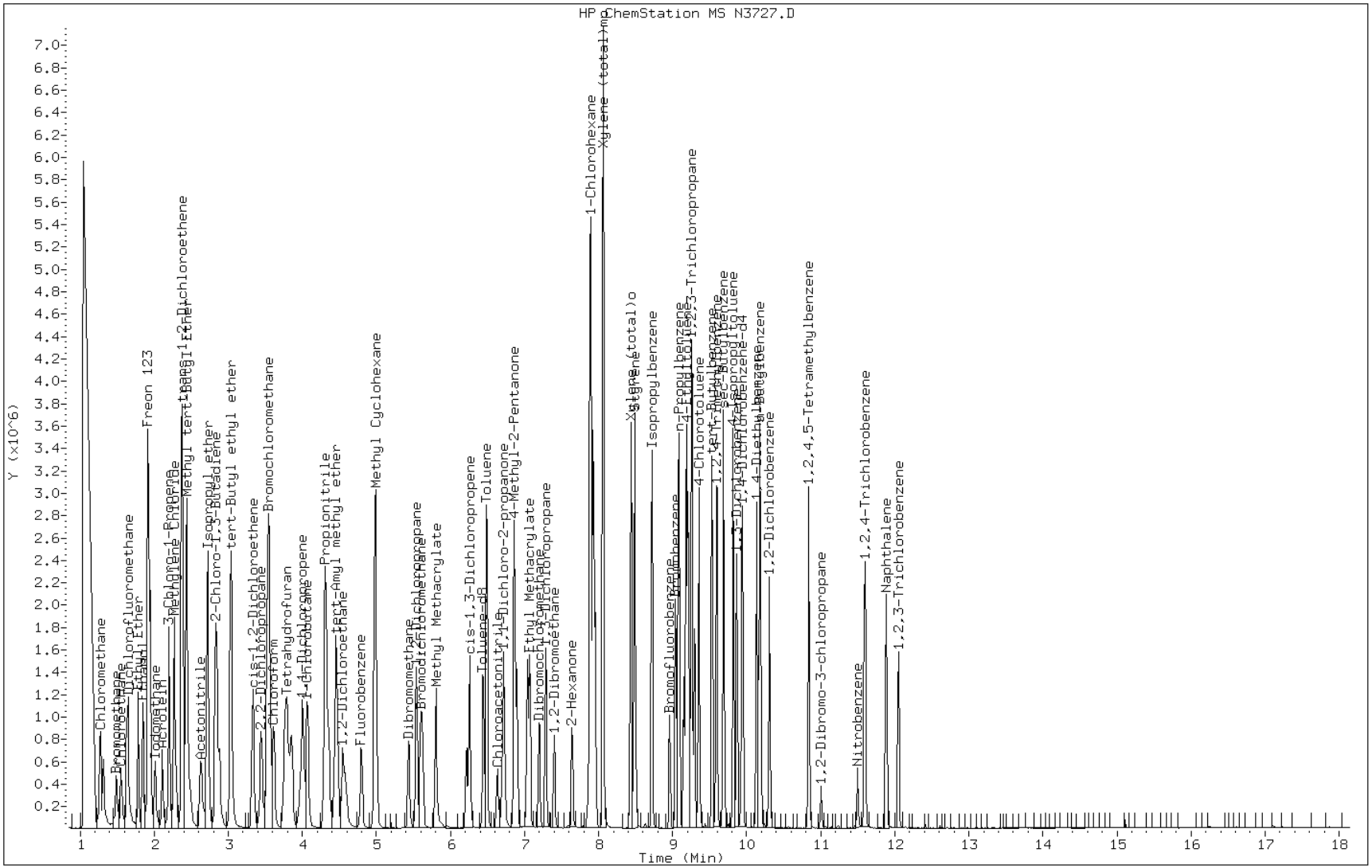
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: N3727.D

Date: 13-JUL-2011 18:46

Client ID: IC;50 Instrument: msn.i

Sample Info: IC;50 Operator: D. HUMBERT



Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3728.D
Lab Smp Id: IC;20 Client Smp ID: IC;20
Inj Date : 13-JUL-2011 19:11 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;20
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
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Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 18:46 Cal File: N3727.D
Als bottle: 100 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.791	4.791	(1.000)	726752	25.0000	
2	Dichlorodifluoromethane	85	1.215	1.215	(0.254)	42205	20.0000	19
3	Chloromethane	50	1.274	1.274	(0.266)	281887	20.0000	18
4	Vinyl Chloride	62	1.313	1.313	(0.274)	203448	20.0000	18
5	Bromomethane	94	1.481	1.481	(0.309)	104471	20.0000	24
6	Chloroethane	64	1.550	1.550	(0.324)	130017	20.0000	24
7	Trichlorofluoromethane	101	1.628	1.628	(0.340)	192489	20.0000	20
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	326985	20.0000	22
9	Ethyl Ether	45	1.786	1.786	(0.373)	171934	20.0000	21
10	Ethanol	45	1.845	1.845	(0.385)	108768	200.000	210
12	Freon 123	67	1.914	1.914	(0.400)	54292	20.0000	21
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	192138	20.0000	19
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	156721	20.0000	19
15	Carbon Disulfide	76	1.944	1.944	(0.406)	628682	20.0000	18
16	Iodomethane	142	2.013	2.013	(0.420)	194596	20.0000	18
17	Acrolein	56	2.111	2.111	(0.441)	219018	100.000	100
18	2-Propanol	45	2.032	2.032	(0.424)	23962	20.0000	24
19	3-Chloro-1-Propene	41	2.200	2.200	(0.459)	396770	20.0000	19
20	Methylene Chloride	84	2.269	2.269	(0.474)	263072	20.0000	19
21	Acetone	43	2.288	2.288	(0.478)	160653	20.0000	22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	190856	20.0000	20
	23 Methyl Acetate	43	2.367	2.367	(0.494)	1388128	20.0000	13
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	557967	20.0000	20
	25 tert-Butyl alcohol	59	2.485	2.485	(0.519)	194579	100.000	110(H)
	26 Acetonitrile	41	2.633	2.633	(0.550)	347554	200.000	210
	27 Isopropyl ether	45	2.722	2.722	(0.568)	924942	20.0000	19
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.634)	700101	20.0000	20
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.591)	176078	20.0000	19
	30 Acrylonitrile	53	2.879	2.879	(0.601)	253347	40.0000	41
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	381175	20.0000	20
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	641232	20.0000	20
	33 cis-1,2-Dichloroethene	96	3.333	3.333	(0.696)	215670	20.0000	19
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	230964	20.0000	19
	35 Bromochloromethane	128	3.540	3.540	(0.739)	116855	20.0000	20
	37 Cyclohexane	84	3.549	3.549	(0.741)	290305	20.0000	19
	38 Chloroform	83	3.609	3.609	(0.753)	311138	20.0000	20
	39 Ethyl Acetate	43	3.746	3.746	(0.782)	51922	40.0000	65
	40 Methyl Acrylate	55	3.756	3.756	(0.784)	248306	20.0000	18
$	41 Dibromofluoromethane	111	3.815	3.815	(0.796)	212341	20.0000	19
	42 Tetrahydrofuran	42	3.796	3.796	(0.792)	228747	40.0000	41
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	182600	20.0000	18
	44 1,1,1-Trichloroethane	97	3.855	3.855	(0.805)	231179	20.0000	19
	45 2-Butanone	43	3.963	3.963	(0.827)	193779	20.0000	20
	46 1,1-Dichloropropene	75	4.003	4.003	(0.836)	264836	20.0000	19
	47 tert-Amyl methyl ether	73	4.456	4.456	(0.930)	585105	20.0000	20
	49 1-Chlorobutane	56	4.062	4.062	(0.848)	440361	20.0000	19
	51 Propionitrile	54	4.328	4.328	(0.903)	413644	200.000	200
	52 Benzene	78	4.308	4.308	(0.899)	768992	20.0000	20
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.910)	190621	20.0000	20
	54 Isobutyl alcohol	42	4.584	4.584	(0.957)	107581	200.000	200
$	55 1,2-Dichloroethane-d4	65	4.466	4.466	(0.932)	187148	20.0000	20
	56 1,2-Dichloroethane	62	4.544	4.544	(0.949)	229918	20.0000	20
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	341838	20.0000	19
	60 Trichloroethene	130	4.988	4.988	(1.041)	199525	20.0000	19
	63 Dibromomethane	93	5.431	5.431	(1.134)	132633	20.0000	20
	64 1,2-Dichloropropane	63	5.539	5.539	(1.156)	238357	20.0000	20
	65 Bromodichloromethane	83	5.618	5.618	(1.173)	217011	20.0000	19
	66 Methyl Methacrylate	69	5.805	5.805	(1.212)	180177	20.0000	19
	67 1,4-Dioxane	58	5.835	5.835	(1.218)	25046	200.000	250(M)
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.298)	121440	20.0000	20
	174 Ethyl acrylate	55	5.589	5.589	(1.167)	389823	20.0000	21(A)
	70 cis-1,3-Dichloropropene	75	6.259	6.259	(1.306)	307193	20.0000	19
	71 Chloroacetonitrile	48	6.633	6.633	(1.385)	106503	200.000	180
	72 2-Nitropropane	41	6.702	6.702	(1.399)	108827	40.0000	38
	73 trans-1,3-Dichloropropene	75	6.889	6.889	(1.438)	269040	20.0000	19
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	179372	20.0000	20
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	611678	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	779174	20.0000	19
$	77 Toluene-d8	98	6.436	6.436	(0.817)	670095	20.0000	19
	78 1,1-Dichloro-2-propanone	43	6.722	6.722	(0.854)	846496	100.000	92
	79 4-Methyl-2-Pentanone	43	6.860	6.860	(0.871)	330919	20.0000	20
	80 Tetrachloroethene	164	6.860	6.860	(0.871)	138258	20.0000	19
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	262439	20.0000	19
	82 Dibromochloromethane	129	7.195	7.195	(0.914)	185435	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	326867	20.0000	20
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	207315	20.0000	19
86	2-Hexanone	43	7.638	7.638	(0.970)	245087	20.0000	19
87	1-Chlorohexane	91	7.894	7.894	(1.002)	298791	20.0000	19
88	Chlorobenzene	112	7.884	7.884	(1.001)	534346	20.0000	19
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	164953	20.0000	19
90	Ethylbenzene	106	7.924	7.924	(1.006)	272774	20.0000	19
91	Xylene (total)mp	106	8.061	8.061	(1.024)	693368	40.0000	39
92	Xylene (total)o	106	8.436	8.436	(1.071)	332329	20.0000	20
93	Styrene	104	8.485	8.485	(1.078)	552514	20.0000	19
94	Bromoform	173	8.495	8.495	(1.079)	101230	20.0000	18
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	246673	25.0000	
96	Isopropylbenzene	105	8.722	8.722	(0.878)	773318	20.0000	19
97	Bromobenzene	156	9.037	9.037	(0.910)	189321	20.0000	19
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	256277	20.0000	20
99	4-Ethyltoluene	105	9.185	9.185	(0.925)	822255	20.0000	19(H)
100	1,2,3-Trichloropropane	110	9.254	9.254	(0.932)	71486	20.0000	20
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	123923	40.0000	35
102	n-Propylbenzene	91	9.076	9.076	(0.914)	985030	20.0000	19
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	639273	20.0000	20
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	569115	20.0000	20
105	1,3,5-Trimethylbenzene	105	9.254	9.254	(0.932)	643311	20.0000	19
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	568647	20.0000	20
107	1,2,4-Trimethylbenzene	105	9.588	9.588	(0.965)	644181	20.0000	19
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	916428	20.0000	20
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	712613	20.0000	20
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	336727	20.0000	19
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	354131	20.0000	20
112	1,2-Dichlorobenzene	146	10.308	10.308	(1.038)	316072	20.0000	20
113	Benzyl Chloride	126	10.160	10.160	(1.023)	70360	20.0000	17
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	348589	20.0000	19
115	n-Butylbenzene	91	10.180	10.180	(1.025)	1066807	20.0000	19
118	1,2,4,5-Tetramethylbenzene	119	10.840	10.840	(1.091)	544926	20.0000	19
119	1,2-Dibromo-3-chloropropane	75	10.997	10.997	(1.107)	28481	20.0000	17
120	Nitrobenzene	77	11.490	11.490	(1.157)	66794	200.000	100
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	197455	20.0000	20
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	102304	20.0000	20
123	Naphthalene	128	11.884	11.884	(1.196)	560982	20.0000	20
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	176834	20.0000	20
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	238009	20.0000	19
M 126	1,2-Dichloroethene (total)	100				406526	40.0000	40
M 127	Xylene (total)	100				1025697	60.0000	59

QC Flag Legend

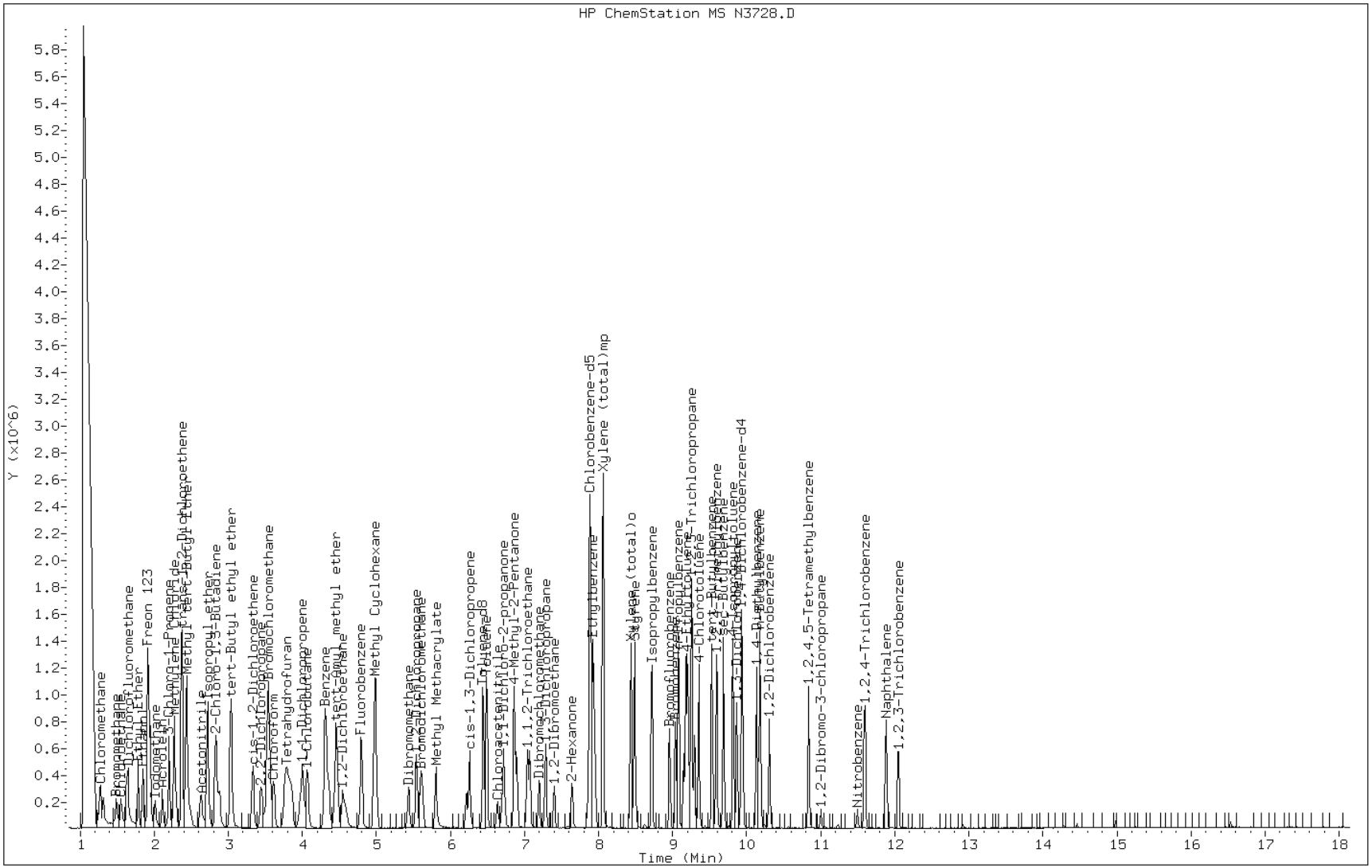
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3728.D

Date: 13-JUL-2011 19:11

Client ID: IC;20 Instrument: msn.i

Sample Info: IC;20 Operator: D. HUMBERT



Manual Integration Report

Data File: N3728.D
Inj. Date and Time: 13-JUL-2011 19:11
Instrument ID: msn.i
Client ID: IC;20
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/14/2011

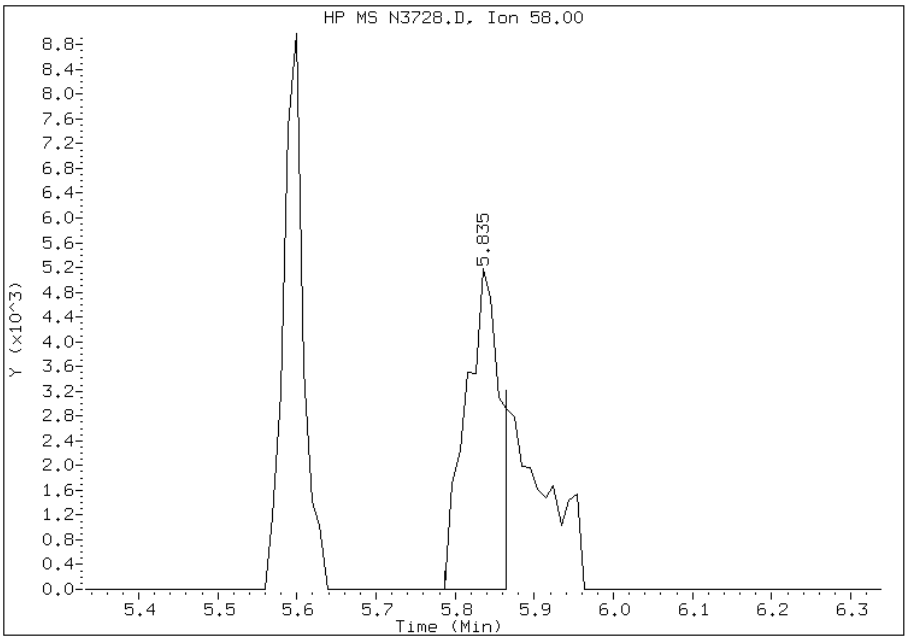
Processing Integration Results

RT: 5.84

Response: 15887

Amount: 166

Conc: 166



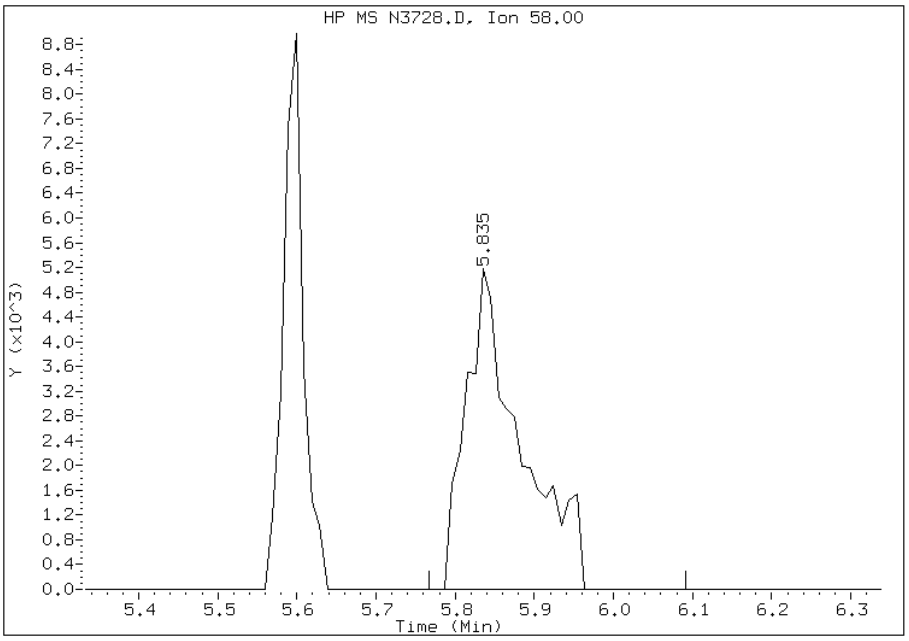
Manual Integration Results

RT: 5.84

Response: 25046

Amount: 250

Conc: 250



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Test America Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N3729.D
Lab Smp Id: IC;5 Client Smp ID: IC;5
Inj Date : 13-JUL-2011 19:37 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : IC;5
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\N8260BNS.m
Meth Date : 14-Jul-2011 09:49 msn.i Quant Type: ISTD
Cal Date : 13-JUL-2011 19:11 Cal File: N3728.D
Als bottle: 100 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.790	4.790	(1.000)	736410	25.0000	
2	Dichlorodifluoromethane	85	1.214	1.214	(0.254)	4918	5.00000	2(M)
3	Chloromethane	50	1.273	1.273	(0.266)	74186	5.00000	5
4	Vinyl Chloride	62	1.313	1.313	(0.274)	52361	5.00000	5
5	Bromomethane	94	1.490	1.490	(0.311)	29366	5.00000	6(M)
6	Chloroethane	64	1.549	1.549	(0.323)	41045	5.00000	7
7	Trichlorofluoromethane	101	1.628	1.628	(0.340)	49876	5.00000	5
8	Dichlorofluoromethane	67	1.648	1.648	(0.344)	83552	5.00000	5
9	Ethyl Ether	45	1.786	1.786	(0.373)	44763	5.00000	5
10	Ethanol	45	1.845	1.845	(0.385)	25762	50.0000	49(M)
12	Freon 123	67	1.914	1.914	(0.400)	10571	5.00000	4
13	Trichlorotrifluoroethane	101	1.924	1.924	(0.402)	45050	5.00000	4
14	1,1-Dichloroethene	96	1.914	1.914	(0.400)	39770	5.00000	5
15	Carbon Disulfide	76	1.953	1.953	(0.408)	161535	5.00000	5
16	Iodomethane	142	2.012	2.012	(0.420)	48980	5.00000	4
17	Acrolein	56	2.111	2.111	(0.441)	49493	25.0000	22
18	2-Propanol	45	2.032	2.032	(0.424)	5555	5.00000	5(M)
19	3-Chloro-1-Propene	41	2.199	2.199	(0.459)	99063	5.00000	5
20	Methylene Chloride	84	2.268	2.268	(0.474)	110745	5.00000	8
21	Acetone	43	2.288	2.288	(0.478)	48100	5.00000	6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.377	2.377	(0.496)	50665	5.00000	5
	23 Methyl Acetate	43	2.367	2.367	(0.494)	331288	5.00000	-2
	24 Methyl tert-Butyl Ether	73	2.446	2.446	(0.511)	137521	5.00000	5
	25 tert-Butyl alcohol	59	2.485	2.485	(0.519)	43241	25.0000	23
	26 Acetonitrile	41	2.633	2.633	(0.550)	90544	50.0000	54
	27 Isopropyl ether	45	2.722	2.722	(0.568)	236012	5.00000	5
	28 tert-Butyl ethyl ether	59	3.037	3.037	(0.634)	176760	5.00000	5
	29 2-Chloro-1,3-Butadiene	88	2.830	2.830	(0.591)	42536	5.00000	4
	30 Acrylonitrile	53	2.879	2.879	(0.601)	57717	10.0000	9
	31 1,1-Dichloroethane	63	2.840	2.840	(0.593)	93666	5.00000	5
	32 Vinyl Acetate	43	3.047	3.047	(0.636)	147128	5.00000	4
	33 cis-1,2-Dichloroethene	96	3.332	3.332	(0.696)	55005	5.00000	5
	34 2,2-Dichloropropane	77	3.441	3.441	(0.718)	66996	5.00000	5
	35 Bromochloromethane	128	3.529	3.529	(0.737)	28317	5.00000	5
	37 Cyclohexane	84	3.559	3.559	(0.743)	73917	5.00000	5
	38 Chloroform	83	3.608	3.608	(0.753)	79863	5.00000	5
	39 Ethyl Acetate	43	3.746	3.746	(0.782)	26979	10.0000	28
	40 Methyl Acrylate	55	3.756	3.756	(0.784)	57859	5.00000	4
$	41 Dibromofluoromethane	111	3.815	3.815	(0.796)	51593	5.00000	5
	42 Tetrahydrofuran	42	3.795	3.795	(0.792)	51960	10.0000	9
	43 Carbon Tetrachloride	117	3.776	3.776	(0.788)	44773	5.00000	4
	44 1,1,1-Trichloroethane	97	3.854	3.854	(0.805)	54985	5.00000	4
	45 2-Butanone	43	3.963	3.963	(0.827)	47143	5.00000	5
	46 1,1-Dichloropropene	75	4.002	4.002	(0.835)	68219	5.00000	5
	47 tert-Amyl methyl ether	73	4.455	4.455	(0.930)	137949	5.00000	5
	49 1-Chlorobutane	56	4.071	4.071	(0.850)	110772	5.00000	5
	51 Propionitrile	54	4.327	4.327	(0.903)	94463	50.0000	45
	52 Benzene	78	4.308	4.308	(0.899)	197593	5.00000	5
	53 2-Methyl-2-Propenenitrile	41	4.357	4.357	(0.910)	50379	5.00000	5
	54 Isobutyl alcohol	42	4.583	4.583	(0.957)	21653	50.0000	40
$	55 1,2-Dichloroethane-d4	65	4.465	4.465	(0.932)	48606	5.00000	5
	56 1,2-Dichloroethane	62	4.544	4.544	(0.949)	58744	5.00000	5
	59 Methyl Cyclohexane	83	4.978	4.978	(1.039)	86751	5.00000	5
	60 Trichloroethene	130	4.987	4.987	(1.041)	48192	5.00000	5
	63 Dibromomethane	93	5.431	5.431	(1.134)	33250	5.00000	5
	64 1,2-Dichloropropane	63	5.539	5.539	(1.156)	59044	5.00000	5(T)
	65 Bromodichloromethane	83	5.618	5.618	(1.173)	51505	5.00000	4
	66 Methyl Methacrylate	69	5.805	5.805	(1.212)	40750	5.00000	4
	67 1,4-Dioxane	58	5.825	5.825	(1.216)	2770	50.0000	26
	69 2-Chloroethylvinylether	63	6.219	6.219	(1.298)	25255	5.00000	4
	174 Ethyl acrylate	55	5.598	5.598	(1.169)	84419	5.00000	4(A)
	70 cis-1,3-Dichloropropene	75	6.258	6.258	(1.306)	73922	5.00000	4
	71 Chloroacetonitrile	48	6.633	6.633	(1.385)	23470	50.0000	41
	72 2-Nitropropane	41	6.702	6.702	(1.399)	24538	10.0000	8(M)
	73 trans-1,3-Dichloropropene	75	6.899	6.899	(1.440)	62371	5.00000	4
	74 1,1,2-Trichloroethane	97	7.037	7.037	(1.469)	42385	5.00000	5
*	75 Chlorobenzene-d5	117	7.874	7.874	(1.000)	604537	25.0000	
	76 Toluene	91	6.485	6.485	(0.824)	197377	5.00000	5
$	77 Toluene-d8	98	6.436	6.436	(0.817)	169994	5.00000	5
	78 1,1-Dichloro-2-propanone	43	6.721	6.721	(0.854)	162762	25.0000	18(M)
	79 4-Methyl-2-Pentanone	43	6.859	6.859	(0.871)	74913	5.00000	4
	80 Tetrachloroethene	164	6.859	6.859	(0.871)	33283	5.00000	5
	81 Ethyl Methacrylate	69	7.066	7.066	(0.897)	57705	5.00000	4
	82 Dibromochloromethane	129	7.194	7.194	(0.914)	39450	5.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.283	7.283	(0.925)	78615	5.00000	5
84	1,2-Dibromoethane	107	7.401	7.401	(0.940)	49727	5.00000	5
86	2-Hexanone	43	7.647	7.647	(0.971)	57368	5.00000	4
87	1-Chlorohexane	91	7.894	7.894	(1.002)	72705	5.00000	5
88	Chlorobenzene	112	7.894	7.894	(1.002)	135417	5.00000	5
89	1,1,1,2-Tetrachloroethane	131	7.953	7.953	(1.010)	39059	5.00000	4(M)
90	Ethylbenzene	106	7.923	7.923	(1.006)	69971	5.00000	5
91	Xylene (total)mp	106	8.061	8.061	(1.024)	167081	10.0000	10
92	Xylene (total)o	106	8.435	8.435	(1.071)	82747	5.00000	5
93	Styrene	104	8.485	8.485	(1.078)	128177	5.00000	4
94	Bromoform	173	8.495	8.495	(1.079)	20436	5.00000	4
* 95	1,4-Dichlorobenzene-d4	152	9.933	9.933	(1.000)	240425	25.0000	
96	Isopropylbenzene	105	8.721	8.721	(0.878)	191164	5.00000	5
97	Bromobenzene	156	9.036	9.036	(0.910)	45216	5.00000	5
98	1,1,2,2-Tetrachloroethane	83	9.145	9.145	(0.921)	58745	5.00000	5
99	4-Ethyltoluene	105	9.184	9.184	(0.925)	199945	5.00000	5(H)
100	1,2,3-Trichloropropane	110	9.253	9.253	(0.932)	16840	5.00000	5
101	trans-1,4-Dichloro-2-Butene	53	9.293	9.293	(0.936)	28421	10.0000	8
102	n-Propylbenzene	91	9.086	9.086	(0.915)	244131	5.00000	5
103	2-Chlorotoluene	91	9.204	9.204	(0.927)	161399	5.00000	5
104	4-Chlorotoluene	91	9.352	9.352	(0.941)	141396	5.00000	5
105	1,3,5-Trimethylbenzene	105	9.253	9.253	(0.932)	163340	5.00000	5
106	tert-Butylbenzene	119	9.529	9.529	(0.959)	144981	5.00000	5
107	1,2,4-Trimethylbenzene	105	9.588	9.588	(0.965)	163062	5.00000	5
108	sec-Butylbenzene	105	9.687	9.687	(0.975)	226608	5.00000	5
109	4-Isopropyltoluene	119	9.815	9.815	(0.988)	176757	5.00000	5
110	1,3-Dichlorobenzene	146	9.864	9.864	(0.993)	86008	5.00000	5
111	1,4-Dichlorobenzene	146	9.943	9.943	(1.001)	89261	5.00000	5
112	1,2-Dichlorobenzene	146	10.307	10.307	(1.038)	79084	5.00000	5
113	Benzyl Chloride	126	10.160	10.160	(1.023)	13641	5.00000	4
114	1,4-Diethylbenzene	119	10.130	10.130	(1.020)	83793	5.00000	5
115	n-Butylbenzene	91	10.179	10.179	(1.025)	230843	5.00000	4
118	1,2,4,5-Tetramethylbenzene	119	10.839	10.839	(1.091)	134224	5.00000	5
119	1,2-Dibromo-3-chloropropane	75	11.007	11.007	(1.108)	6037	5.00000	4
120	Nitrobenzene	77	11.499	11.499	(1.158)	12237	50.0000	21
121	1,2,4-Trichlorobenzene	180	11.598	11.598	(1.168)	47714	5.00000	5
122	Hexachlorobutadiene	225	11.588	11.588	(1.167)	26481	5.00000	5
123	Naphthalene	128	11.884	11.884	(1.196)	140376	5.00000	5
124	1,2,3-Trichlorobenzene	180	12.051	12.051	(1.213)	45794	5.00000	5
$ 125	Bromofluorobenzene	95	8.958	8.958	(0.902)	59209	5.00000	5
M 126	1,2-Dichloroethene (total)	100				105670	10.0000	10
M 127	Xylene (total)	100				249828	15.0000	14

QC Flag Legend

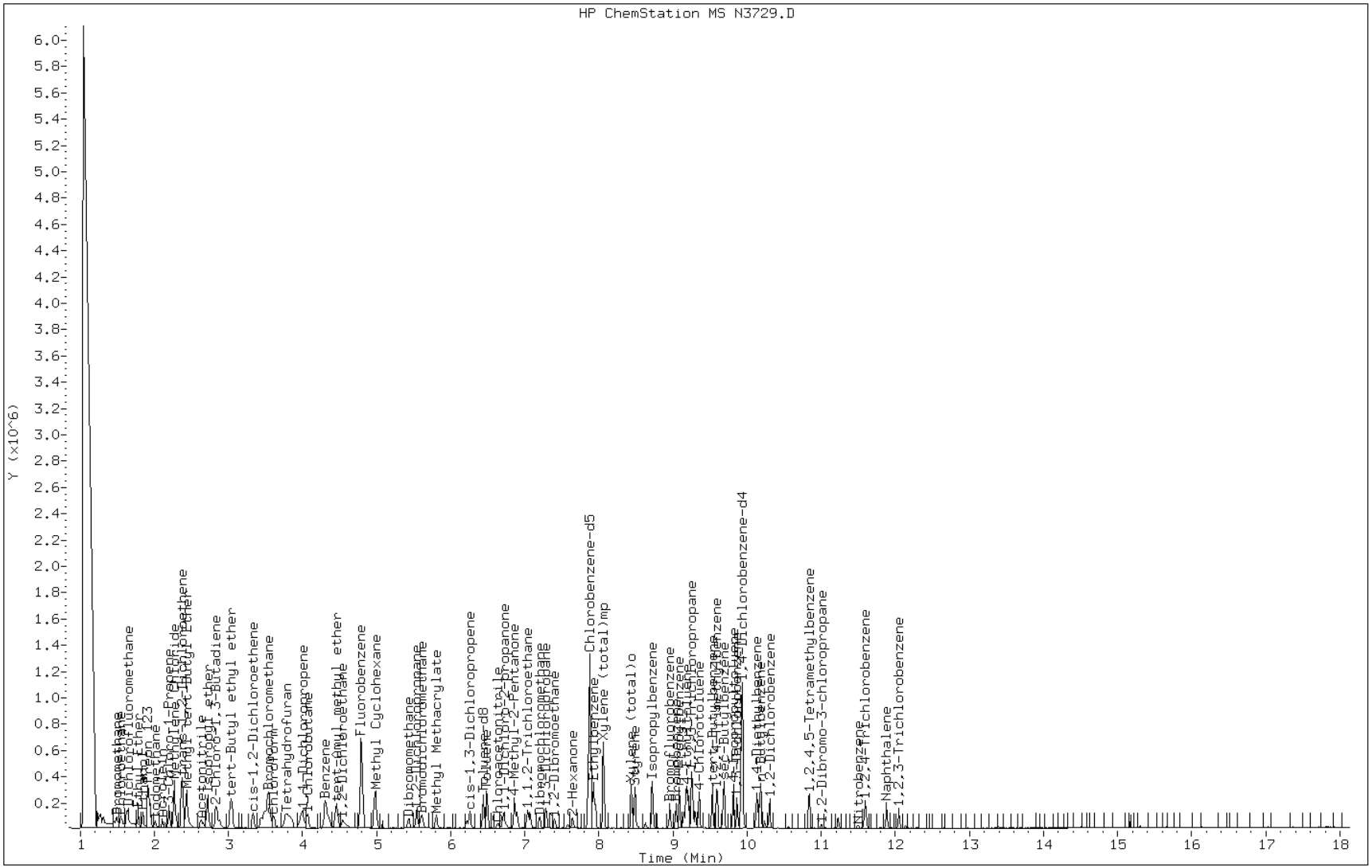
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: N3729.D

Date: 13-JUL-2011 19:37

Client ID: IC;5 Instrument: msn.i

Sample Info: IC;5 Operator: D. HUMBERT



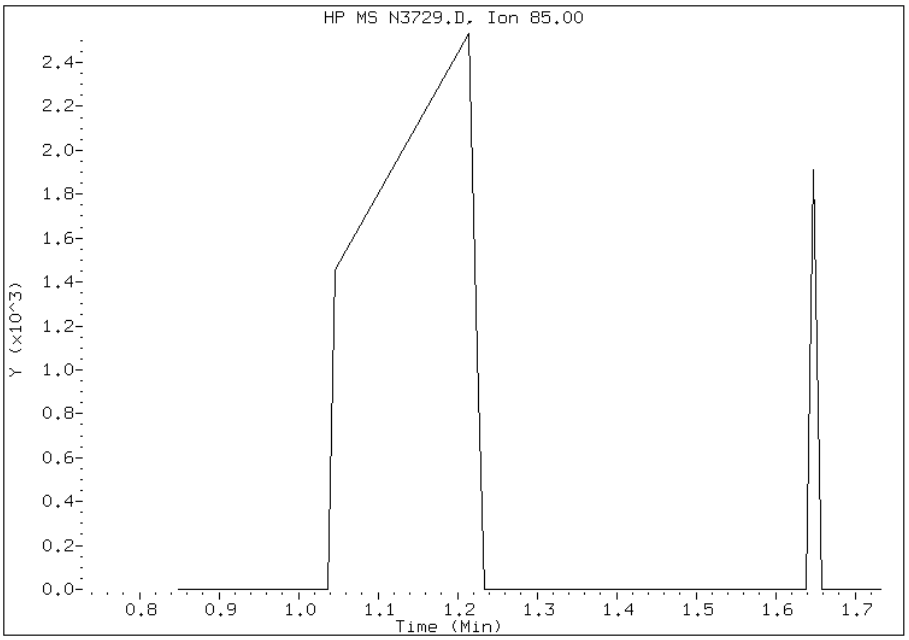
Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 1.23



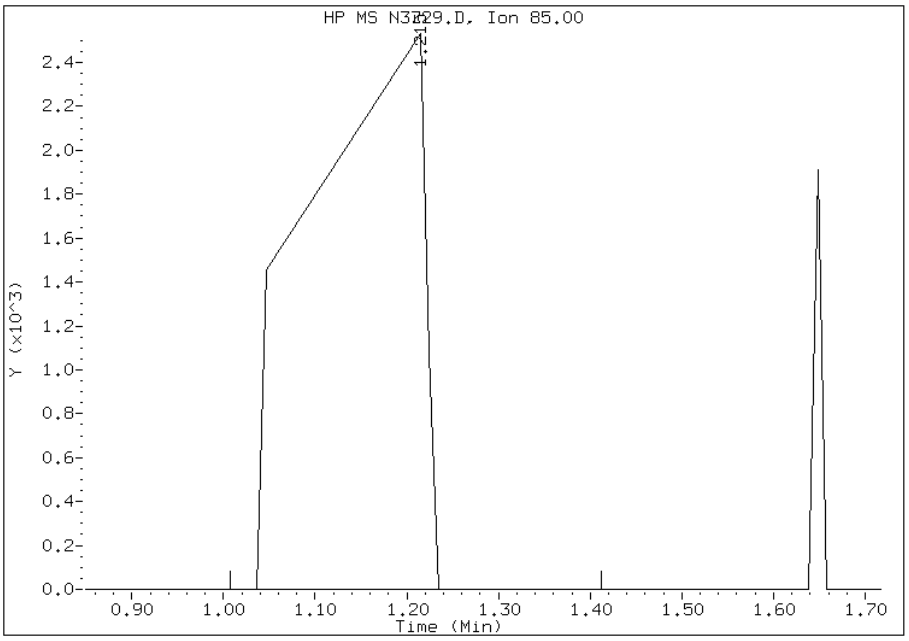
Manual Integration Results

RT: 1.21

Response: 4918

Amount: 2

Conc: 2



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/14/2011

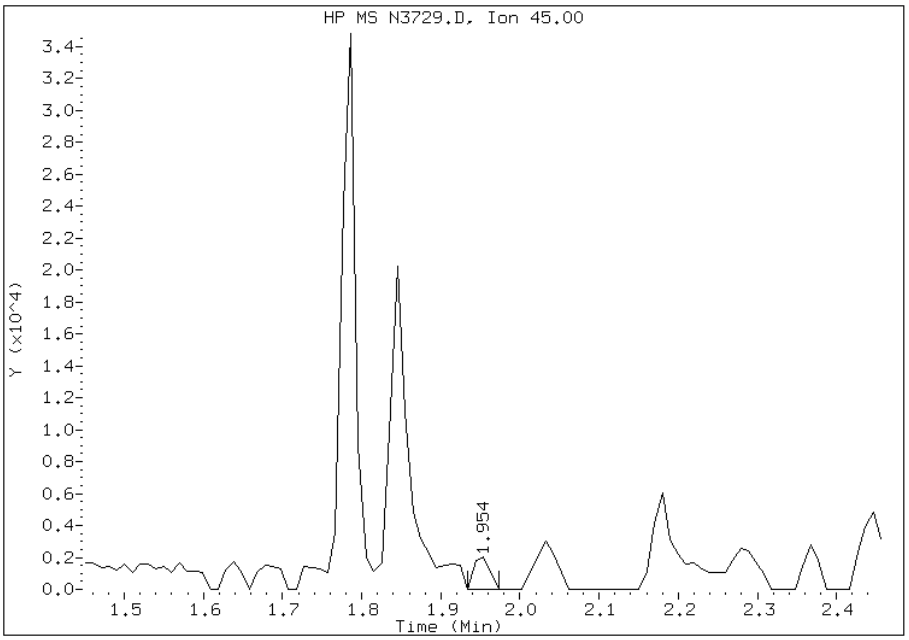
Processing Integration Results

RT: 1.95

Response: 2944

Amount: -1

Conc: -1



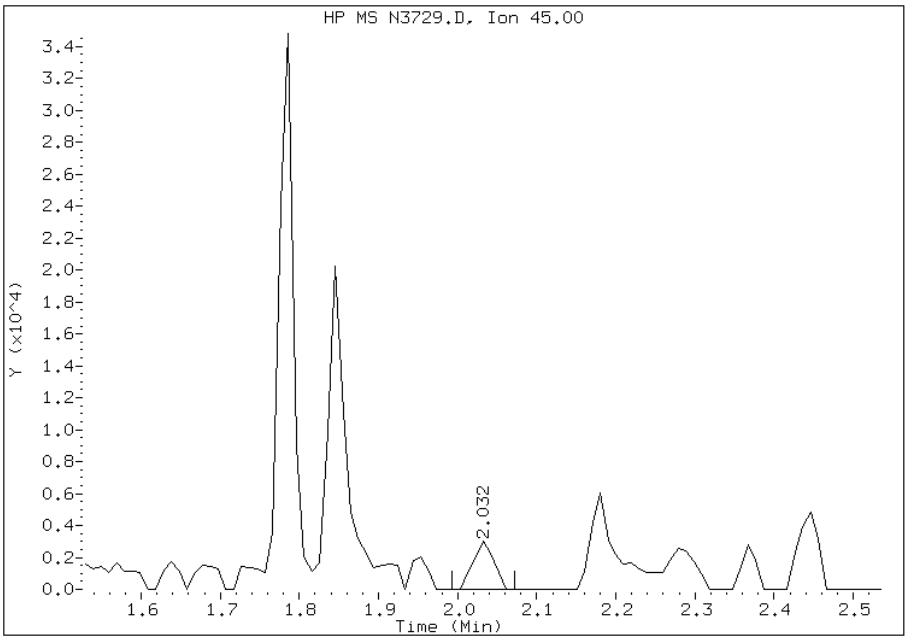
Manual Integration Results

RT: 2.03

Response: 5555

Amount: 5

Conc: 5



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 78 1,1-Dichloro-2-propanone
CAS #: 513-88-2
Report Date: 07/14/2011

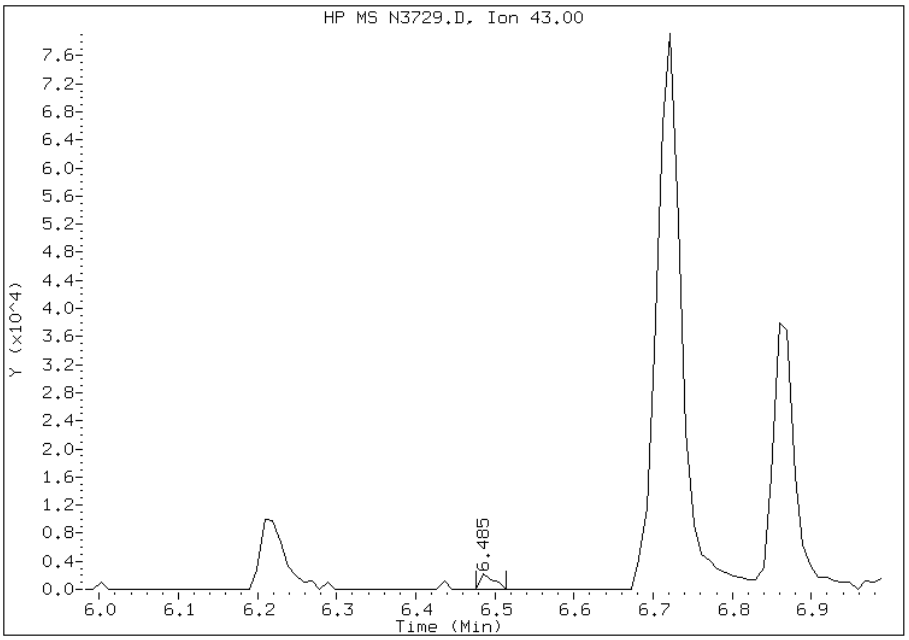
Processing Integration Results

RT: 6.49

Response: 2765

Amount: 0

Conc: 0



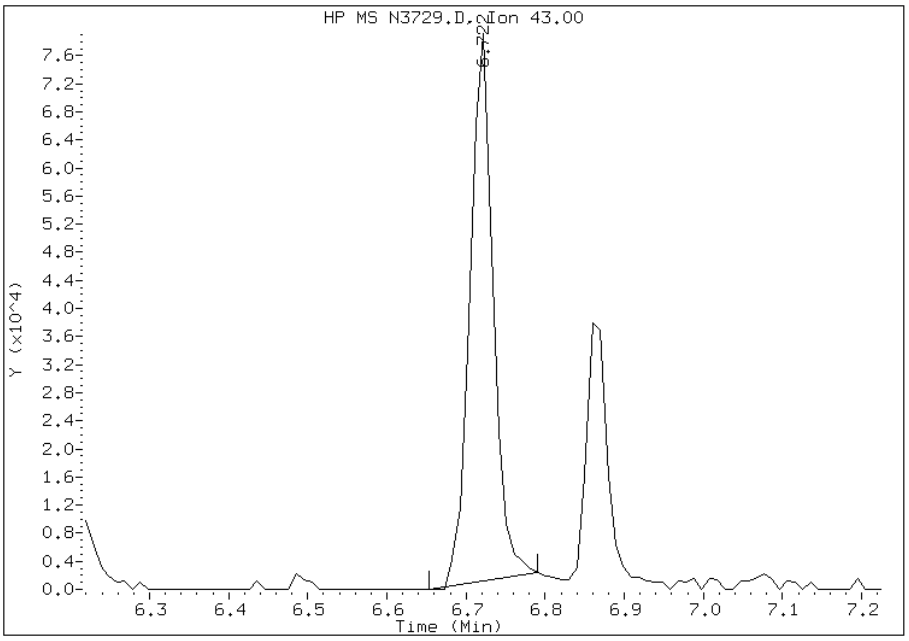
Manual Integration Results

RT: 6.72

Response: 162762

Amount: 18

Conc: 18



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 72 2-Nitropropane
CAS #: 79-46-9
Report Date: 07/14/2011

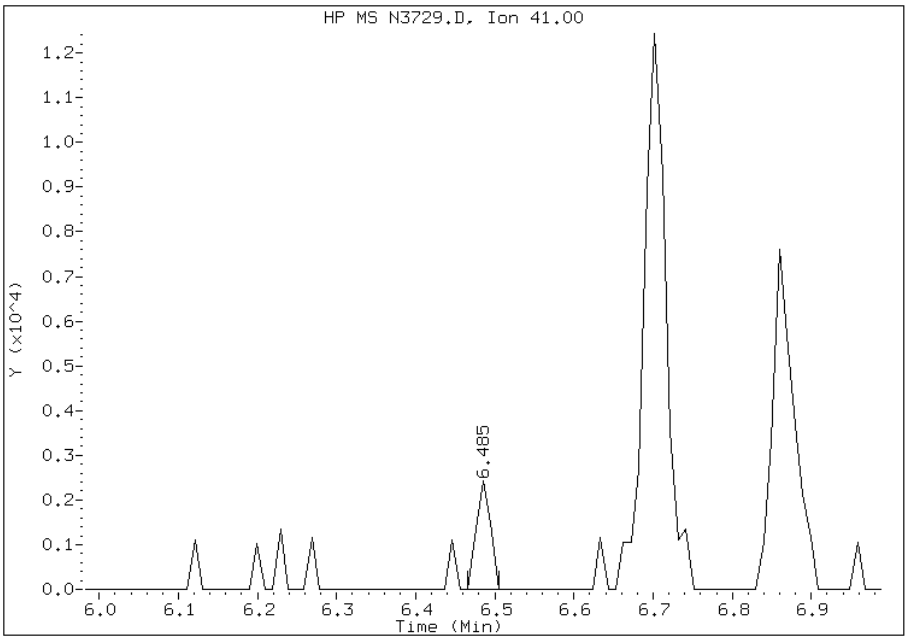
Processing Integration Results

RT: 6.49

Response: 3094

Amount: 1

Conc: 1



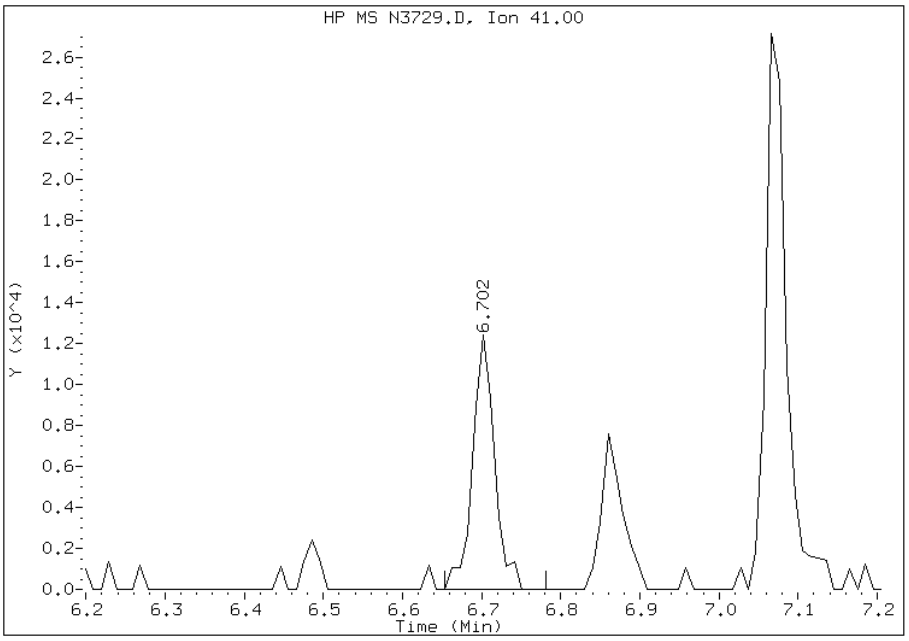
Manual Integration Results

RT: 6.70

Response: 24538

Amount: 9

Conc: 9



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/14/2011

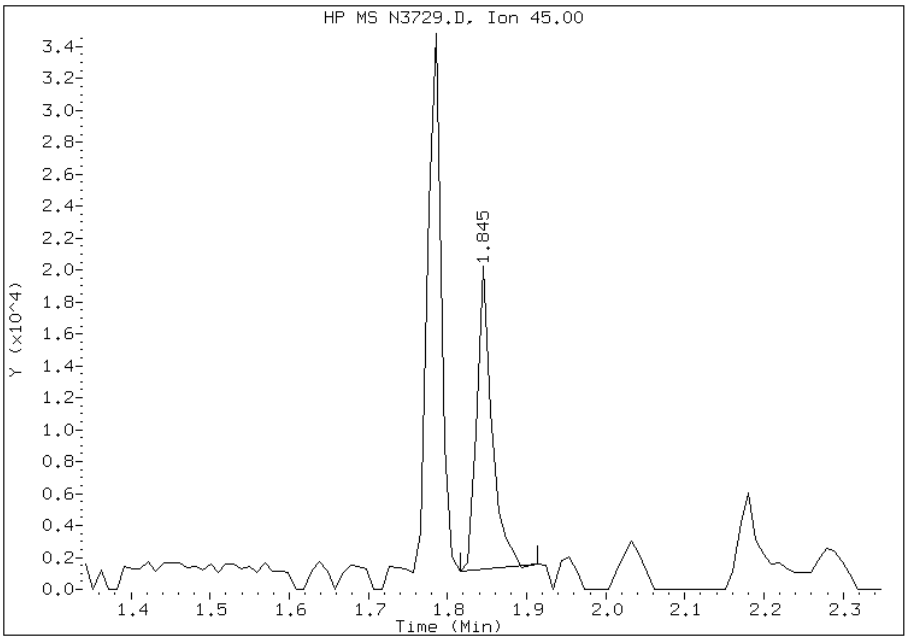
Processing Integration Results

RT: 1.85

Response: 25762

Amount: 49

Conc: 49



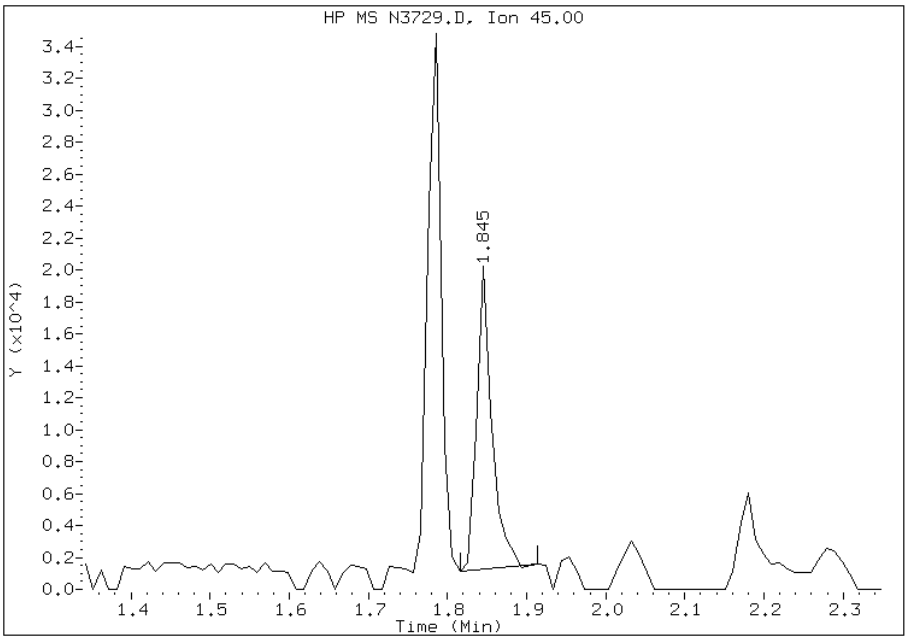
Manual Integration Results

RT: 1.85

Response: 25762

Amount: 49

Conc: 49



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

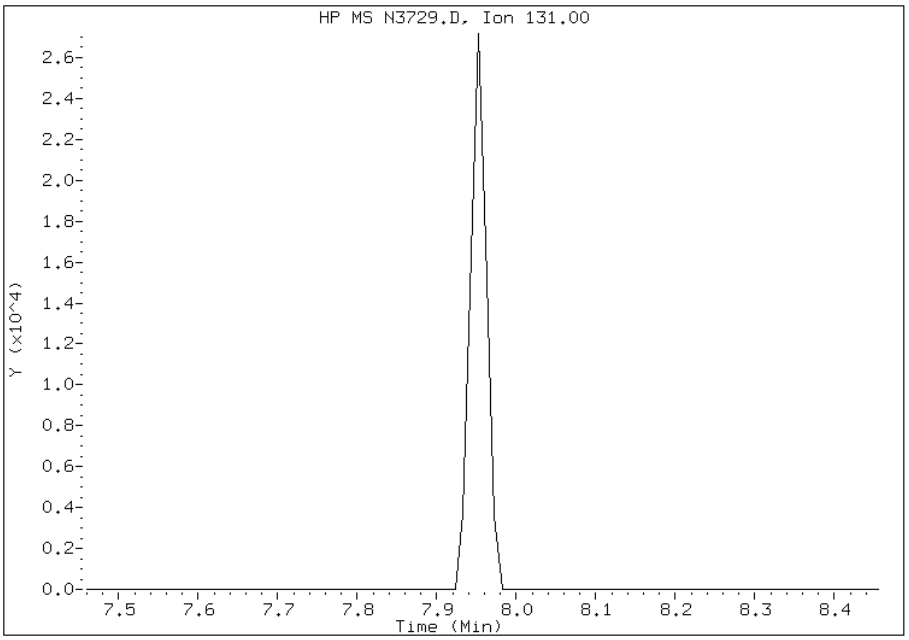
Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 89 1,1,1,2-Tetrachloroethane
CAS #: 630-20-6
Report Date: 07/14/2011

Processing Integration Results

Not Detected

Expected RT: 7.96



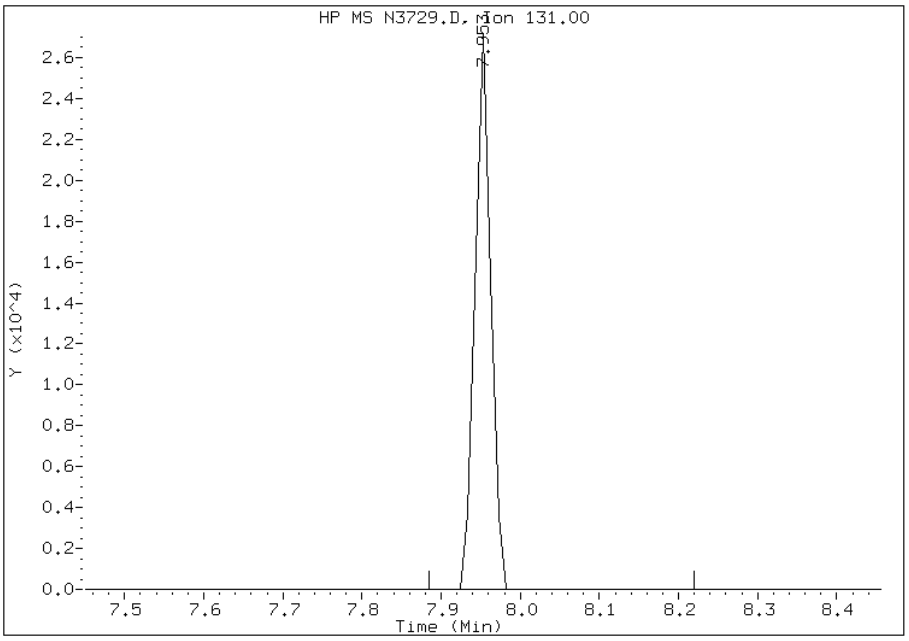
Manual Integration Results

RT: 7.95

Response: 39059

Amount: 5

Conc: 5



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3729.D
Inj. Date and Time: 13-JUL-2011 19:37
Instrument ID: msn.i
Client ID: IC;5
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/14/2011

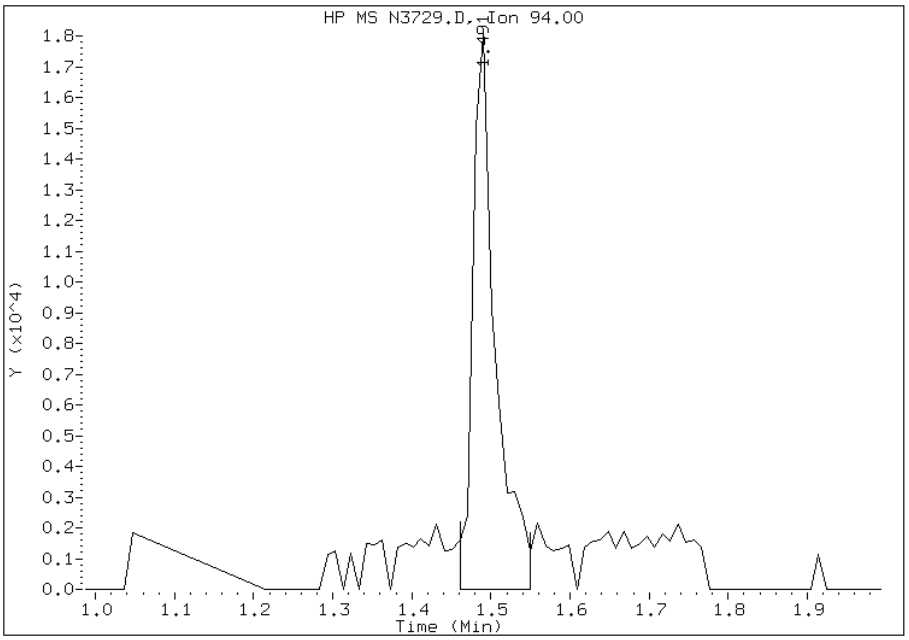
Processing Integration Results

RT: 1.49

Response: 36782

Amount: 7

Conc: 7



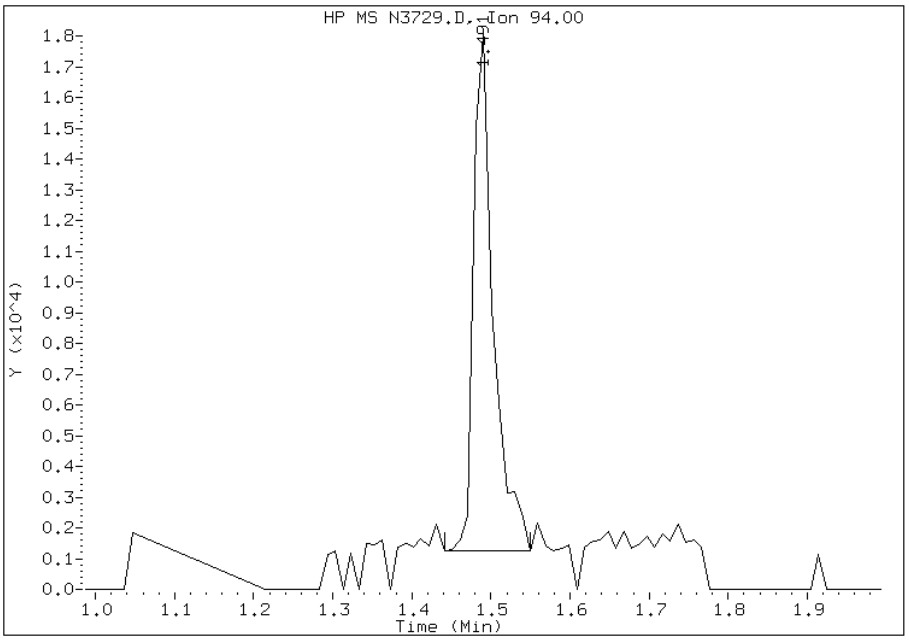
Manual Integration Results

RT: 1.49

Response: 29366

Amount: 6

Conc: 6



Manually Integrated By: dave
Manual Integration Reason: Incorrect peak integration

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53090/6	W3414.D
Level 2	IC 220-53090/5	W3413.D
Level 3	IC 220-53090/4	W3412.D
Level 4	ICIS 220-53090/3	W3411.D
Level 5	IC 220-53090/2	W3410.D
Level 6	IC 220-53090/1	W3409.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1202 0.2527	0.1872	0.1733	0.2309	0.2336	Lin	0.0539	0.2531							0.9987		
Chloromethane	0.3002 0.3682	0.3463	0.3120	0.3440	0.3523	Ave		0.3372			0.1000	7.6		15.0			
Vinyl chloride	0.2280 0.3032	0.2426	0.2492	0.2821	0.2939	Ave		0.2665				11.5		30.0			
Bromomethane	0.1353 0.1229	0.1243	0.1114	0.1107	0.1189	Ave		0.1206				7.6		15.0			
Chloroethane	0.1376 0.1320	0.1229	0.1276	0.1382	0.1348	Ave		0.1322				4.5		15.0			
Trichlorofluoromethane	0.4396 0.5642	0.4705	0.4068	0.4825	0.5672	Ave		0.4885				13.4		15.0			
Dichlorofluoromethane	0.3591 0.4421	0.3542	0.3533	0.3992	0.4411	Ave		0.3915				10.8		15.0			
Ethyl ether	0.2096 0.1953	0.2038	0.1709	0.1912	0.1920	Ave		0.1938				6.9		15.0			
Ethanol	0.0161 0.0121	0.0115	0.0089	0.0114	0.0114	Lin	0.3244	0.0120							0.9992		
1,1-Dichloroethene	0.2102 0.1795	0.1735	0.1479	0.1725	0.1763	Ave		0.1766				11.3		30.0			
Carbon disulfide	0.7595 0.6490	0.6598	0.5571	0.6518	0.6486	Ave		0.6543				9.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2617 0.2254	0.2148	0.1824	0.2255	0.2207	Ave		0.2218				11.4		15.0			
Iodomethane	0.1453 0.2164	0.1556	0.1445	0.1960	0.2222	Lin	0.0363	0.2196							0.9993		
Acrolein	0.0297 0.0316	0.0270	0.0308	0.0299	0.0331	Ave		0.0304				6.8		15.0			
3-Chloro-1-propene	0.5255 0.4809	0.4586	0.4288	0.4700	0.4703	Ave		0.4724				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropyl alcohol	0.0310 0.0229	0.0330	0.0376	0.0306	0.0273	Qua	0.0047	26.816	183.63						0.9999		
Methylene Chloride	+++++ 0.2106	0.5460	0.3459	0.2458	0.2205	Ave		0.3137				44.8	*	15.0			
Acetone	+++++ 0.0923	0.1564	0.1273	0.0956	0.0882	Ave		0.1119				26.2	*	15.0			
trans-1,2-Dichloroethene	0.1839 0.2101	0.2085	0.1800	0.2051	0.2078	Ave		0.1992				6.8		15.0			
Methyl acetate	1.1178 1.1123	1.0342	1.0064	1.0638	1.0864	Ave		1.0701				4.1		15.0			
Methyl tert-butyl ether	0.6208 0.6465	0.6206	0.6114	0.6394	0.6463	Ave		0.6308				2.4		15.0			
tert-Butyl alcohol	0.0345 0.0178	0.0198	0.0220	0.0169	0.0212	Lin	-0.162	0.0184							0.9913		
Acetonitrile	0.0386 0.0284	0.0286	0.0278	0.0300	0.0299	Ave		0.0305				13.3		15.0			
Isopropyl ether	1.1042 1.0660	0.9547	0.9427	1.0234	1.0285	Ave		1.0199				6.1		15.0			
2-Chloro-1,3-butadiene	0.1961 0.2053	0.1990	0.1669	0.1972	0.2085	Ave		0.1955				7.6		15.0			
1,1-Dichloroethane	0.4553 0.4611	0.4465	0.4009	0.4562	0.4610	Ave		0.4468			0.1000	5.2		15.0			
Acrylonitrile	0.0653 0.0954	0.0881	0.0895	0.0857	0.0901	Ave		0.0857				12.2		15.0			
Tert-butyl ethyl ether	0.8651 0.8493	0.8016	0.7314	0.8224	0.8393	Ave		0.8182				5.8		15.0			
Vinyl acetate	0.6910 0.7127	0.6254	0.6066	0.6674	0.7006	Ave		0.6673				6.4		15.0			
cis-1,2-Dichloroethene	0.1970 0.2366	0.2277	0.2142	0.2332	0.2376	Ave		0.2244				7.1		15.0			
2,2-Dichloropropane	0.3277 0.3720	0.3549	0.3077	0.3582	0.3634	Ave		0.3473				7.1		15.0			
Heptane	0.4885 0.5152	0.5125	0.4413	0.4756	0.5049	Ave		0.4897				5.7		15.0			
Cyclohexane	0.1678 0.2436	0.2104	0.1904	0.2319	0.2418	Ave		0.2143				14.3		15.0			
Bromochloromethane	0.1116 0.1281	0.1131	0.1174	0.1296	0.1295	Ave		0.1215				7.0		15.0			
Chloroform	0.6259 0.4264	0.4352	0.4033	0.4330	0.4232	Ave		0.4578				18.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.2886 0.3746	0.3522	0.3053	0.3721	0.3707	Ave		0.3439				10.9		15.0			
Tetrahydrofuran	0.0835 0.0892	0.0857	0.0785	0.0839	0.0886	Ave		0.0849				4.6		15.0			
Ethyl acetate	0.0278 0.0307	0.0373	0.0285	0.0305	0.0312	Ave		0.0310				10.9		15.0			
Methyl acrylate	0.1617 0.2322	0.1907	0.1952	0.2165	0.2240	Ave		0.2034				12.8		15.0			
1,1,1-Trichloroethane	0.3764 0.4186	0.3868	0.3498	0.4072	0.4087	Ave		0.3913				6.5		15.0			
Isobutyl alcohol	+++++ 0.0049	0.0053	0.0056	0.0056	0.0055	Ave		0.0054				5.2		15.0			
1,1-Dichloropropene	0.2949 0.3280	0.2842	0.2528	0.3118	0.3213	Ave		0.2988				9.3		15.0			
2-Butanone (MEK)	+++++ 0.1263	0.1304	0.1331	0.1238	0.1186	Ave		0.1264				4.5		15.0			
1-Chlorobutane	0.5487 0.5509	0.5089	0.4738	0.5403	0.5340	Ave		0.5261				5.7		15.0			
Benzene	0.9229 0.8743	0.8401	0.8140	0.8744	0.8718	Ave		0.8663				4.3		15.0			
Propionitrile	0.0273 0.0325	0.0318	0.0323	0.0325	0.0330	Ave		0.0316				6.7		15.0			
Methacrylonitrile	0.1459 0.1614	0.1361	0.1618	0.1569	0.1524	Ave		0.1524				6.5		15.0			
Tert-amyl methyl ether	0.5604 0.6036	0.5366	0.5604	0.5926	0.5946	Ave		0.5747				4.5		15.0			
1,2-Dichloroethane	0.3515 0.3788	0.3706	0.3601	0.3629	0.3664	Ave		0.3650				2.5		15.0			
Methylcyclohexane	0.2284 0.2529	0.2214	0.1861	0.2446	0.2445	Ave		0.2296				10.6		15.0			
Trichloroethene	0.2337 0.2507	0.2391	0.2289	0.2465	0.2502	Ave		0.2415				3.7		15.0			
1,4-Dioxane	+++++ 0.0010	0.0024	0.0031	0.0022	0.0020	Ave		0.0021				35.4	*	15.0			
Dibromomethane	0.1528 0.1556	0.1549	0.1428	0.1504	0.1493	Ave		0.1510				3.1		15.0			
1,2-Dichloropropane	0.2801 0.2777	0.2696	0.2595	0.2787	0.2770	Ave		0.2738				2.9		30.0			
Bromodichloromethane	0.2587 0.3320	0.3244	0.3110	0.3187	0.3297	Ave		0.3124				8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acrylate	0.2179 0.3407	0.2704	0.2767	0.3097	0.3261	Lin	0.0391	0.3414							0.9995		
Methyl methacrylate	0.1289 0.1572	0.1206	0.1344	0.1442	0.1506	Ave		0.1393				9.9		15.0			
2-Chloroethyl vinyl ether	0.0534 0.1323	0.0970	0.1055	0.1236	0.1292	Lin	0.0346	0.1330							0.9998		
cis-1,3-Dichloropropene	0.3761 0.3899	0.3459	0.3486	0.3666	0.3829	Ave		0.3683				4.9		15.0			
Toluene	1.2604 1.2036	1.1677	1.0654	1.1880	1.2172	Ave		1.1837				5.6		30.0			
Chloroacetonitrile	0.0056 0.0079	0.0036	0.0068	0.0073	0.0081	Lin	0.2727	0.0080							0.9994		
2-Nitropropane	0.0453 0.0635	0.0576	0.0563	0.0590	0.0594	Ave		0.0569				10.9		15.0			
1,1-Dichloro-2-propanone	0.1518 0.1510	0.1330	0.1339	0.1430	0.1493	Ave		0.1437				5.9		15.0			
Tetrachloroethene	0.2232 0.2325	0.2138	0.1987	0.2316	0.2371	Ave		0.2228				6.5		15.0			
methyl isobutyl ketone	0.3432 0.3115	0.3056	0.2922	0.3063	0.3114	Ave		0.3117				5.4		15.0			
trans-1,3-Dichloropropene	0.3081 0.3755	0.2966	0.3237	0.3533	0.3651	Ave		0.3370				9.5		15.0			
1,1,2-Trichloroethane	0.1805 0.1904	0.1947	0.1902	0.1938	0.1914	Ave		0.1902				2.7		15.0			
Ethyl methacrylate	0.2479 0.2961	0.2768	0.2531	0.2753	0.2962	Ave		0.2742				7.5		15.0			
Dibromochloromethane	0.3649 0.3419	0.3146	0.2938	0.3258	0.3364	Ave		0.3295				7.4		15.0			
1,3-Dichloropropane	0.4132 0.4005	0.4070	0.3798	0.4028	0.4066	Ave		0.4016				2.9		15.0			
1,2-Dibromoethane	0.2434 0.2644	0.2313	0.2559	0.2638	0.2730	Ave		0.2553				6.0		15.0			
2-Hexanone	0.1821 0.2171	0.2047	0.2066	0.2124	0.2092	Ave		0.2053				5.9		15.0			
Chlorobenzene	0.8330 0.7638	0.7580	0.6994	0.7679	0.7763	Ave		0.7664			0.3000	5.6		15.0			
1-Chlorohexane	0.1136 0.2789	0.2346	0.3451	0.2908	0.2891	Lin	-0.018	0.2797							0.9995		
Ethylbenzene	0.3819 0.4058	0.4089	0.3487	0.3976	0.4017	Ave		0.3908				5.8		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1,2-Tetrachloroethane	0.2903 0.3178	0.3155	0.2760	0.2971	0.3160	Ave		0.3021				5.7		15.0			
m&p-Xylene	0.4739 0.4985	0.4203	0.4219	0.4836	0.5008	Ave		0.4665				7.8		15.0			
o-Xylene	0.4615 0.4849	0.4159	0.4076	0.4747	0.4843	Ave		0.4548				7.6		15.0			
Bromoform	0.2199 0.2354	0.2062	0.2000	0.2209	0.2282	Ave		0.2184			0.1000	6.1		15.0			
Styrene	0.7717 0.8042	0.6876	0.6684	0.7633	0.8066	Ave		0.7503				7.8		15.0			
Isopropylbenzene	1.8262 1.7526	1.7233	1.4691	1.7581	1.7841	Ave		1.7189				7.4		15.0			
Bromobenzene	0.7410 0.6233	0.6465	0.5753	0.6355	0.6430	Ave		0.6441				8.4		15.0			
N-Propylbenzene	2.2217 2.1561	2.1027	1.8082	2.1356	2.1637	Ave		2.0980				7.0		15.0			
1,1,2,2-Tetrachloroethane	0.6741 0.4978	0.5398	0.5049	0.5283	0.5036	Ave		0.5414			0.3000	12.4		15.0			
2-Chlorotoluene	1.6673 1.6635	1.7780	1.4976	1.6675	1.6887	Ave		1.6604				5.5		15.0			
4-Ethyltoluene	1.6802 1.8883	1.8272	1.5041	1.8790	1.9126	Ave		1.7819				9.0		15.0			
1,2,3-Trichloropropane	0.1262 0.1415	0.1448	0.1426	0.1547	0.1472	Ave		0.1428				6.6		15.0			
1,3,5-Trimethylbenzene	1.4202 1.6136	1.4816	1.3684	1.6163	1.6296	Ave		1.5216				7.5		15.0			
trans-1,4-Dichloro-2-butene	0.1860 0.1875	0.1705	0.1757	0.1842	0.1835	Ave		0.1812				3.7		15.0			
4-Chlorotoluene	1.5945 1.6376	1.5608	1.4292	1.6537	1.6895	Ave		1.5942				5.8		15.0			
tert-Butylbenzene	1.1520 1.2656	1.2427	1.0496	1.2513	1.2736	Ave		1.2058				7.3		15.0			
1,2,4-Trimethylbenzene	1.5499 1.7350	1.5640	1.4655	1.6887	1.7200	Ave		1.6205				6.8		15.0			
sec-Butylbenzene	1.5448 1.6947	1.7226	1.4573	1.7007	1.7226	Ave		1.6405				6.8		15.0			
1,3-Dichlorobenzene	1.2816 1.0449	1.0690	1.0613	1.0617	1.0493	Ave		1.0946				8.4		15.0			
p-Isopropyltoluene	1.3355 1.5261	1.4136	1.1960	1.4862	1.5326	Ave		1.4150				9.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dichlorobenzene	1.3067 1.0664	1.1874	1.0481	1.1110	1.0933	Ave		1.1355				8.5		15.0			
Benzyl chloride	0.1409 0.2217	0.2196	0.2054	0.2110	0.2274	Lin	0.0096	0.2232							0.9997		
p-Diethylbenzene	0.9178 0.7672	0.7146	0.6353	0.7527	0.7722	Ave		0.7600				12.2		15.0			
n-Butylbenzene	1.8622 1.3358	1.3984	1.1734	1.3491	1.3706	Ave		1.4149				16.5	*	15.0			
1,2-Dichlorobenzene	1.2010 1.0372	1.1339	1.0665	1.0575	1.0513	Ave		1.0912				5.8		15.0			
1,2,4,5-Tetramethylbenzene	1.4446 1.4621	1.3452	1.2500	1.4201	1.4832	Ave		1.4009				6.3		15.0			
1,2-Dibromo-3-Chloropropane	0.1644 0.1041	0.1411	0.1206	0.1091	0.1073	Lin	-0.032	0.1038							0.9998		
Nitrobenzene	0.0418 0.0321	0.0331	0.0356	0.0343	0.0351	Ave		0.0353				9.6		15.0			
1,2,4-Trichlorobenzene	0.9675 0.6032	0.6720	0.6288	0.6331	0.6287	Ave		0.6889				20.1	*	15.0			
Hexachlorobutadiene	0.8088 0.2673	0.4984	0.4527	0.3368	0.3141	Ave		0.4464				44.3	*	15.0			
Naphthalene	2.1609 1.3757	1.5863	1.5385	1.5312	1.4914	Ave		1.6140				17.2	*	15.0			
1,2,3-Trichlorobenzene	0.7878 0.5026	0.6052	0.6184	0.5599	0.5409	Ave		0.6025				16.6	*	15.0			
Dibromofluoromethane	+++++ 0.2679	0.2728	0.2464	0.2731	0.2711	Ave		0.2662				4.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.4178 0.3188	0.3156	0.3038	0.3226	0.3124	Ave		0.3318				12.8		15.0			
Toluene-d8 (Surr)	1.3201 1.0614	1.1299	0.9737	1.0650	1.0792	Ave		1.1049				10.6		15.0			
4-Bromofluorobenzene	+++++ 0.6688	0.7761	0.6679	0.6875	0.6922	Ave		0.6985				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53090/6	W3414.D
Level 2	IC 220-53090/5	W3413.D
Level 3	IC 220-53090/4	W3412.D
Level 4	ICIS 220-53090/3	W3411.D
Level 5	IC 220-53090/2	W3410.D
Level 6	IC 220-53090/1	W3409.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin	2272 972267	14850	33761	182469	465883	0.500 100	2.00	5.00	20.0	50.0
Chloromethane	FB	Ave	5676 1416435	27469	60776	271804	702609	0.500 100	2.00	5.00	20.0	50.0
Vinyl chloride	FB	Ave	4311 1166287	19242	48540	222891	586223	0.500 100	2.00	5.00	20.0	50.0
Bromomethane	FB	Ave	2559 472976	9860	21710	87469	237117	0.500 100	2.00	5.00	20.0	50.0
Chloroethane	FB	Ave	2602 507882	9750	24849	109239	268778	0.500 100	2.00	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	8313 2170281	37321	79236	381276	1131280	0.500 100	2.00	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	6790 1700659	28092	68827	315479	879757	0.500 100	2.00	5.00	20.0	50.0
Ethyl ether	FB	Ave	3964 751185	16165	33283	151111	382888	0.500 100	2.00	5.00	20.0	50.0
Ethanol	FB	Lin	3038 463621	9115	17325	89867	227473	5.00 1000	20.0	50.0	200	500
1,1-Dichloroethene	FB	Ave	3974 690706	13762	28808	136313	351553	0.500 100	2.00	5.00	20.0	50.0
Carbon disulfide	FB	Ave	14362 2496632	52334	108525	515094	1293706	0.500 100	2.00	5.00	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	4948 866953	17039	35533	178228	440281	0.500 100	2.00	5.00	20.0	50.0
Iodomethane	FB	Lin	2747 832637	12345	28153	154917	443198	0.500 100	2.00	5.00	20.0	50.0
Acrolein	FB	Ave	2812 608288	10714	30036	118100	330404	2.50 500	10.0	25.0	100	250
3-Chloro-1-propene	FB	Ave	9937 1850066	36378	83528	371381	938090	0.500 100	2.00	5.00	20.0	50.0
Isopropyl alcohol	FB	Qua	587 87992	2621	7321	24177	54504	0.500 100	2.00	5.00	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methylene Chloride	FB	Ave	+++++ 810194	43303	67371	194248	439798	+++++ 100	2.00	5.00	20.0	50.0
Acetone	FB	Ave	+++++ 354889	12404	24798	75513	175838	+++++ 100	2.00	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	3478 808176	16537	35059	162069	414550	0.500 100	2.00	5.00	20.0	50.0
Methyl acetate	FB	Ave	21136 4279079	82026	196054	840627	2166852	0.500 100	2.00	5.00	20.0	50.0
Methyl tert-butyl ether	FB	Ave	11738 2487073	49225	119099	505270	1289193	0.500 100	2.00	5.00	20.0	50.0
tert-Butyl alcohol	FB	Lin	3266 343261	7834	21403	66801	211284	2.50 500	10.0	25.0	100	250
Acetonitrile	FB	Ave	7304 1091236	22690	54093	237077	596622	5.00 1000	20.0	50.0	200	500
Isopropyl ether	FB	Ave	20879 4100917	75725	183645	808722	2051438	0.500 100	2.00	5.00	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	3708 789922	15781	32509	155832	415788	0.500 100	2.00	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	8610 1773757	35418	78103	360477	919539	0.500 100	2.00	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2470 734126	13970	34852	135450	359393	1.00 200	4.00	10.0	40.0	100
Tert-butyl ethyl ether	FB	Ave	16358 3267010	63577	142468	649860	1674039	0.500 100	2.00	5.00	20.0	50.0
Vinyl acetate	FB	Ave	13067 2741525	49607	118163	527420	1397446	0.500 100	2.00	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	3725 910374	18060	41735	184256	473887	0.500 100	2.00	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	6196 1431233	28151	59947	283076	724893	0.500 100	2.00	5.00	20.0	50.0
Heptane	FB	Ave	9237 1982023	40649	85973	375847	1007098	0.500 100	2.00	5.00	20.0	50.0
Cyclohexane	FB	Ave	3173 937231	16690	37098	183236	482264	0.500 100	2.00	5.00	20.0	50.0
Bromochloromethane	FB	Ave	2111 492615	8969	22867	102386	258382	0.500 100	2.00	5.00	20.0	50.0
Chloroform	FB	Ave	11835 1640434	34522	78560	342169	844048	0.500 100	2.00	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	5458 1440887	27938	59474	294022	739373	0.500 100	2.00	5.00	20.0	50.0
Tetrahydrofuran	FB	Ave	3158 686613	13595	30571	132573	353320	1.00 200	4.00	10.0	40.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethyl acetate	FB	Ave	1050 236582	5920	11119	48158	124368	1.00 200	4.00	10.0	40.0	100
Methyl acrylate	FB	Ave	3058 893311	15123	38015	171104	446770	0.500 100	2.00	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	7118 1610444	30681	68137	321814	815217	0.500 100	2.00	5.00	20.0	50.0
Isobutyl alcohol	FB	Ave	+++++ 190329	4183	10956	44219	109408	+++++ 1000	20.0	50.0	200	500
1,1-Dichloropropene	FB	Ave	5577 1261678	22538	49245	246410	640933	0.500 100	2.00	5.00	20.0	50.0
2-Butanone (MEK)	FB	Ave	+++++ 485951	10341	25932	97827	236521	+++++ 100	2.00	5.00	20.0	50.0
1-Chlorobutane	FB	Ave	10376 2119180	40367	92292	426968	1065113	0.500 100	2.00	5.00	20.0	50.0
Benzene	FB	Ave	17452 3363466	66631	158562	690954	1738979	0.500 100	2.00	5.00	20.0	50.0
Propionitrile	FB	Ave	5171 1252032	25207	62884	256448	658027	5.00 1000	20.0	50.0	200	500
Methacrylonitrile	FB	Ave	2759 620731	10794	31518	123957	304021	0.500 100	2.00	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	10597 2321918	42565	109169	468297	1185929	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	6647 1457118	29391	70154	286737	730833	0.500 100	2.00	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	4319 972870	17558	36251	193294	487727	0.500 100	2.00	5.00	20.0	50.0
Trichloroethene	FB	Ave	4419 964474	18965	44596	194810	498973	0.500 100	2.00	5.00	20.0	50.0
1,4-Dioxane	FB	Ave	+++++ 37945	1941	5973	17493	40259	+++++ 1000	20.0	50.0	200	500
Dibromomethane	FB	Ave	2889 598551	12285	27819	118851	297775	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	5297 1068461	21381	50553	220271	552421	0.500 100	2.00	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	4891 1277023	25730	60575	251882	657583	0.500 100	2.00	5.00	20.0	50.0
Ethyl acrylate	FB	Lin	4120 1310551	21448	53900	244764	650531	0.500 100	2.00	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	2438 604764	9563	26188	113989	300355	0.500 100	2.00	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Lin	1009 509087	7690	20557	97679	257760	0.500 100	2.00	5.00	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
cis-1,3-Dichloropropene	FB	Ave	7111 1499807	27439	67912	289702	763814	0.500 100	2.00	5.00	20.0	50.0
Toluene	CBZ	Ave	19180 3801545	72917	171198	770898	1966270	0.500 100	2.00	5.00	20.0	50.0
Chloroacetonitrile	FB	Lin	1066 303078	2817	13257	57602	162497	5.00 1000	20.0	50.0	200	500
2-Nitropropane	FB	Ave	1712 488917	9143	21944	93316	237090	1.00 200	4.00	10.0	40.0	100
1,1-Dichloro-2-propanone	CBZ	Ave	11547 2384536	41535	107581	463919	1206047	2.50 500	10.0	25.0	100	250
Tetrachloroethene	CBZ	Ave	3396 734332	13351	31922	150275	382948	0.500 100	2.00	5.00	20.0	50.0
methyl isobutyl ketone	CBZ	Ave	5223 983865	19084	46953	198735	502952	0.500 100	2.00	5.00	20.0	50.0
trans-1,3-Dichloropropene	FB	Ave	5826 1444429	23527	63047	279154	728315	0.500 100	2.00	5.00	20.0	50.0
1,1,2-Trichloroethane	FB	Ave	3413 732415	15441	37059	153152	381772	0.500 100	2.00	5.00	20.0	50.0
Ethyl methacrylate	CBZ	Ave	3772 935106	17285	40673	178647	478539	0.500 100	2.00	5.00	20.0	50.0
Dibromochloromethane	CBZ	Ave	5552 1079762	19643	47205	211391	543488	0.500 100	2.00	5.00	20.0	50.0
1,3-Dichloropropane	CBZ	Ave	6288 1264844	25415	61029	261373	656774	0.500 100	2.00	5.00	20.0	50.0
1,2-Dibromoethane	CBZ	Ave	3704 834948	14444	41112	171158	441065	0.500 100	2.00	5.00	20.0	50.0
2-Hexanone	CBZ	Ave	2771 685641	12781	33193	137830	337968	0.500 100	2.00	5.00	20.0	50.0
Chlorobenzene	CBZ	Ave	12675 2412462	47333	112374	498302	1254022	0.500 100	2.00	5.00	20.0	50.0
1-Chlorohexane	CBZ	Lin	1728 880858	14647	55449	188688	467031	0.500 100	2.00	5.00	20.0	50.0
Ethylbenzene	CBZ	Ave	5812 1281837	25534	56031	257997	648843	0.500 100	2.00	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4418 1003607	19701	44353	192796	510460	0.500 100	2.00	5.00	20.0	50.0
m&p-Xylene	CBZ	Ave	14422 3149215	52489	135589	627672	1617929	1.00 200	4.00	10.0	40.0	100
o-Xylene	CBZ	Ave	7022 1531407	25973	65497	308038	782265	0.500 100	2.00	5.00	20.0	50.0
Bromoform	CBZ	Ave	3346 743380	12878	32142	143370	368557	0.500 100	2.00	5.00	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Styrene	CBZ	Ave	11743 2539847	42940	107405	495348	1303034	0.500 100	2.00	5.00	20.0	50.0
Isopropylbenzene	DCB	Ave	15263 3231962	58003	134246	638272	1643807	0.500 100	2.00	5.00	20.0	50.0
Bromobenzene	DCB	Ave	6193 1149491	21761	52572	230732	592432	0.500 100	2.00	5.00	20.0	50.0
N-Propylbenzene	DCB	Ave	18568 3976054	70773	165233	775321	1993548	0.500 100	2.00	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	5634 917997	18168	46140	191797	463992	0.500 100	2.00	5.00	20.0	50.0
2-Chlorotoluene	DCB	Ave	13935 3067610	59843	136844	605377	1555892	0.500 100	2.00	5.00	20.0	50.0
4-Ethyltoluene	DCB	Ave	14043 3482159	61500	137446	682176	1762141	0.500 100	2.00	5.00	20.0	50.0
1,2,3-Trichloropropane	DCB	Ave	1055 260897	4875	13033	56175	135583	0.500 100	2.00	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	11870 2975586	49867	125044	586779	1501453	0.500 100	2.00	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	3109 691573	11480	32118	133725	338096	1.00 200	4.00	10.0	40.0	100
4-Chlorotoluene	DCB	Ave	13326 3019814	52533	130594	600371	1556594	0.500 100	2.00	5.00	20.0	50.0
tert-Butylbenzene	DCB	Ave	9628 2333839	41828	95912	454274	1173442	0.500 100	2.00	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	12954 3199394	52641	133919	613085	1584754	0.500 100	2.00	5.00	20.0	50.0
sec-Butylbenzene	DCB	Ave	12911 3125175	57979	133163	617433	1587128	0.500 100	2.00	5.00	20.0	50.0
1,3-Dichlorobenzene	DCB	Ave	10711 1926820	35981	96981	385443	966807	0.500 100	2.00	5.00	20.0	50.0
p-Isopropyltoluene	DCB	Ave	11162 2814148	47578	109288	539554	1412074	0.500 100	2.00	5.00	20.0	50.0
1,4-Dichlorobenzene	DCB	Ave	10921 1966574	39966	95769	403360	1007317	0.500 100	2.00	5.00	20.0	50.0
Benzyl chloride	DCB	Lin	1178 408791	7390	18765	76614	209545	0.500 100	2.00	5.00	20.0	50.0
p-Diethylbenzene	DCB	Ave	7671 1414801	24052	58056	273269	711423	0.500 100	2.00	5.00	20.0	50.0
n-Butylbenzene	DCB	Ave	15564 2463354	47068	107219	489783	1262839	0.500 100	2.00	5.00	20.0	50.0
1,2-Dichlorobenzene	DCB	Ave	10038 1912743	38165	97452	383904	968634	0.500 100	2.00	5.00	20.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53090

SDG No.:

Instrument ID: MSW GC Column: RTX-VMS ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/19/2011 15:40 Calibration End Date: 07/19/2011 17:47 Calibration ID: 11541

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,4,5-Tetramethylbenzene	DCB	Ave	12074 2696209	45275	114220	515550	1366528	0.500 100	2.00	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin	1374 192046	4748	11021	39604	98852	0.500 100	2.00	5.00	20.0	50.0
Nitrobenzene	DCB	Ave	3490 592726	11140	32549	124703	323152	5.00 1000	20.0	50.0	200	500
1,2,4-Trichlorobenzene	DCB	Ave	8086 1112256	22617	57462	229862	579226	0.500 100	2.00	5.00	20.0	50.0
Hexachlorobutadiene	DCB	Ave	6760 492850	16775	41370	122285	289358	0.500 100	2.00	5.00	20.0	50.0
Naphthalene	DCB	Ave	18060 2536922	53391	140585	555909	1374127	0.500 100	2.00	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	6584 926906	20368	56510	203258	498391	0.500 100	2.00	5.00	20.0	50.0
Dibromofluoromethane	FB	Ave	+++++ 1030604	21640	47996	215772	540659	+++++ 100	2.00	5.00	20.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7900 1226560	25030	59174	254928	623084	0.500 100	2.00	5.00	20.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	20088 3352204	70556	156454	691076	1743315	0.500 100	2.00	5.00	20.0	50.0
4-Bromofluorobenzene	DCB	Ave	+++++ 1233346	26122	61032	249590	637784	+++++ 100	2.00	5.00	20.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3409.D
Lab Smp Id: IC;100 Client Smp ID: IC;100
Inj Date : 19-JUL-2011 15:40 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : IC;100
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.363	4.363	(1.000)	961733	25.0000	
2	Dichlorodifluoromethane	85	0.853	0.853	(0.196)	972267	100.000	0.0
3	Chloromethane	50	0.950	0.950	(0.218)	1416435	100.000	0.0
4	Vinyl Chloride	62	0.987	0.987	(0.226)	1166287	100.000	0.0
5	Bromomethane	94	1.148	1.148	(0.263)	472976	100.000	0.0
6	Chloroethane	64	1.207	1.207	(0.277)	507882	100.000	0.0
7	Trichlorofluoromethane	101	1.271	1.271	(0.291)	2170281	100.000	0.0
8	Dichlorofluoromethane	67	1.308	1.308	(0.300)	1700659	100.000	0.0
9	Ethyl Ether	45	1.463	1.463	(0.335)	751185	100.000	0.0
10	Ethanol	45	1.495	1.495	(0.343)	463621	1000.00	0.0
12	Freon 123	67	1.597	1.597	(0.366)	206944	100.000	0.0
13	Trichlorotrifluoroethane	101	1.581	1.581	(0.362)	866953	100.000	0.0
14	1,1-Dichloroethene	96	1.560	1.560	(0.358)	690706	100.000	0.0
15	Carbon Disulfide	76	1.570	1.570	(0.360)	2496632	100.000	0.0
16	Iodomethane	142	1.640	1.640	(0.376)	832637	100.000	0.0
17	Acrolein	56	1.768	1.768	(0.405)	608288	500.000	0.0
18	2-Propanol	45	1.907	1.907	(0.437)	87992	100.000	0.0
19	3-Chloro-1-Propene	41	1.849	1.849	(0.424)	1850066	100.000	0.0
20	Methylene Chloride	84	1.923	1.923	(0.441)	810194	100.000	0.0
21	Acetone	43	1.961	1.961	(0.450)	354889	100.000	0.0
22	trans-1,2-Dichloroethene	96	2.030	2.030	(0.465)	808176	100.000	0.0
23	Methyl Acetate	43	2.052	2.052	(0.470)	4279079	100.000	0.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.121	2.121	(0.486)	2487073	100.000	0.0
	25 tert-Butyl alcohol	59	2.218	2.218	(0.508)	343261	500.000	0.0
	27 Isopropyl ether	45	2.432	2.432	(0.557)	4100917	100.000	0.0
	28 tert-Butyl ethyl ether	59	2.753	2.753	(0.631)	3267010	100.000	0.0
	29 2-Chloro-1,3-Butadiene	88	2.485	2.485	(0.570)	789922	100.000	0.0
	30 Acrylonitrile	53	2.544	2.544	(0.583)	734126	200.000	0.0
	31 1,1-Dichloroethane	63	2.501	2.501	(0.573)	1773757	100.000	0.0
	32 Vinyl Acetate	43	2.753	2.753	(0.631)	2741525	100.000	0.0
	33 cis-1,2-Dichloroethene	96	3.004	3.004	(0.689)	910374	100.000	0.0
	34 2,2-Dichloropropane	77	3.106	3.106	(0.712)	1431233	100.000	0.0
	35 Bromochloromethane	128	3.207	3.207	(0.735)	492615	100.000	0.0
	37 Cyclohexane	84	3.202	3.202	(0.734)	937231	100.000	0.0
	38 Chloroform	83	3.309	3.309	(0.758)	1640434	100.000	0.0
	39 Ethyl Acetate	43	3.464	3.464	(0.794)	236582	200.000	0.0
	40 Methyl Acrylate	55	3.464	3.464	(0.794)	893311	100.000	0.0
$	41 Dibromofluoromethane	111	3.491	3.491	(0.800)	1030604	100.000	0.0
	42 Tetrahydrofuran	42	3.453	3.453	(0.792)	686613	200.000	0.0
	43 Carbon Tetrachloride	117	3.421	3.421	(0.784)	1440887	100.000	0.0
	44 1,1,1-Trichloroethane	97	3.496	3.496	(0.801)	1610444	100.000	0.0
	45 2-Butanone	43	3.635	3.635	(0.833)	485951	100.000	0.0
	46 1,1-Dichloropropene	75	3.635	3.635	(0.833)	1261678	100.000	0.0
	47 tert-Amyl methyl ether	73	4.079	4.079	(0.935)	2321918	100.000	0.0
	49 1-Chlorobutane	56	3.700	3.700	(0.848)	2119180	100.000	0.0
	50 Heptane	43	3.186	3.186	(0.730)	1982023	100.000	0.0
	51 Propionitrile	54	3.930	3.930	(0.901)	1252032	1000.00	0.0
	52 Benzene	78	3.892	3.892	(0.892)	3363466	100.000	0.0
	53 2-Methyl-2-Propenenitrile	41	3.956	3.956	(0.907)	620731	100.000	0.0(M)
$	55 1,2-Dichloroethane-d4	65	4.042	4.042	(0.926)	1226560	100.000	0.0
	56 1,2-Dichloroethane	62	4.117	4.117	(0.944)	1457118	100.000	0.0
	59 Methyl Cyclohexane	83	4.534	4.534	(1.039)	972870	100.000	0.0
	60 Trichloroethene	130	4.555	4.555	(1.044)	964474	100.000	0.0
	63 Dibromomethane	93	5.010	5.010	(1.148)	598551	100.000	0.0
	64 1,2-Dichloropropane	63	5.128	5.128	(1.175)	1068461	100.000	0.0
	65 Bromodichloromethane	83	5.240	5.240	(1.201)	1277023	100.000	0.0
	174 Ethyl Acrylate	55	5.262	5.262	(1.206)	1310551	100.000	0.0(T)
	66 Methyl Methacrylate	69	5.497	5.497	(1.260)	604764	100.000	0.0
	67 1,4-Dioxane	58	5.486	5.486	(1.257)	37945	1000.00	0.0(M)
	69 2-Chloroethylvinylether	63	5.979	5.979	(1.370)	509087	100.000	0.0
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.373)	1499807	100.000	0.0
	71 Chloroacetonitrile	48	6.487	6.487	(1.487)	303078	1000.00	0.0
	72 2-Nitropropane	41	6.540	6.540	(1.499)	488917	200.000	0.0
	73 trans-1,3-Dichloropropene	75	6.808	6.808	(1.560)	1444429	100.000	0.0
	74 1,1,2-Trichloroethane	97	6.984	6.984	(1.601)	732415	100.000	0.0
*	75 Chlorobenzene-d5	117	8.102	8.102	(1.000)	789605	25.0000	
	76 Toluene	91	6.267	6.267	(0.774)	3801545	100.000	0.0
$	77 Toluene-d8	98	6.209	6.209	(0.766)	3352204	100.000	0.0
	78 1,1-Dichloro-2-propanone	43	6.556	6.556	(0.809)	2384536	500.000	0.0
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	983865	100.000	0.0
	80 Tetrachloroethene	164	6.717	6.717	(0.829)	734332	100.000	0.0
	81 Ethyl Methacrylate	69	7.091	7.091	(0.875)	935106	100.000	0.0
	82 Dibromochloromethane	129	7.177	7.177	(0.886)	1079762	100.000	0.0
	83 1,3-Dichloropropane	76	7.300	7.300	(0.901)	1264844	100.000	0.0
	84 1,2-Dibromoethane	107	7.418	7.418	(0.915)	834948	100.000	0.0
	86 2-Hexanone	43	7.846	7.846	(0.968)	685641	100.000	0.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
87	1-Chlorohexane	91	8.193	8.193	(1.011)	880858	100.000	0.0(M)
88	Chlorobenzene	112	8.118	8.118	(1.002)	2412462	100.000	0.0
89	1,1,1,2-Tetrachloroethane	131	8.236	8.236	(1.017)	1003607	100.000	0.0
90	Ethylbenzene	106	8.215	8.215	(1.014)	1281837	100.000	0.0
91	Xylene (total)mp	106	8.418	8.418	(1.039)	3149215	200.000	0.0
92	Xylene (total)o	106	8.958	8.958	(1.106)	1531407	100.000	0.0
93	Styrene	104	9.033	9.033	(1.115)	2539847	100.000	0.0
94	Bromoform	173	9.006	9.006	(1.112)	743380	100.000	0.0
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	461017	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	3231962	100.000	0.0
97	Bromobenzene	156	9.729	9.729	(0.907)	1149491	100.000	0.0
98	1,1,2,2-Tetrachloroethane	83	9.927	9.927	(0.926)	917997	100.000	0.0
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	3482159	100.000	0.0
100	1,2,3-Trichloropropane	110	10.018	10.018	(0.934)	260897	100.000	0.0
101	trans-1,4-Dichloro-2-Butene	53	10.092	10.092	(0.941)	691573	200.000	0.0
102	n-Propylbenzene	91	9.836	9.836	(0.917)	3976054	100.000	0.0
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	3067610	100.000	0.0
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	3019814	100.000	0.0
105	1,3,5-Trimethylbenzene	105	10.060	10.060	(0.938)	2975586	100.000	0.0
106	tert-Butylbenzene	119	10.344	10.344	(0.965)	2333839	100.000	0.0
107	1,2,4-Trimethylbenzene	105	10.413	10.413	(0.971)	3199394	100.000	0.0
108	sec-Butylbenzene	105	10.504	10.504	(0.980)	3125175	100.000	0.0
109	4-Isopropyltoluene	119	10.654	10.654	(0.994)	2814148	100.000	0.0
110	1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	1926820	100.000	0.0
111	1,4-Dichlorobenzene	146	10.734	10.734	(1.001)	1966574	100.000	0.0
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	1912743	100.000	0.0
113	Benzyl Chloride	126	10.959	10.959	(1.022)	408791	100.000	0.0
114	1,4-Diethylbenzene	119	10.964	10.964	(1.022)	1414801	100.000	0.0
115	n-Butylbenzene	91	11.007	11.007	(1.026)	2463354	100.000	0.0
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	2696209	100.000	0.0
119	1,2-Dibromo-3-chloropropane	75	11.713	11.713	(1.092)	192046	100.000	0.0
120	Nitrobenzene	77	12.120	12.120	(1.130)	592726	1000.00	0.0
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	1112256	100.000	0.0
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	492850	100.000	0.0
123	Naphthalene	128	12.446	12.446	(1.161)	2536922	100.000	0.0
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	926906	100.000	0.0
$ 125	Bromofluorobenzene	95	9.648	9.648	(0.900)	1233346	100.000	0.0
M 126	1,2-Dichloroethene (total)	100				1718550	200.000	0.0
M 127	Xylene (total)	100				4680622	300.000	0.0

QC Flag Legend

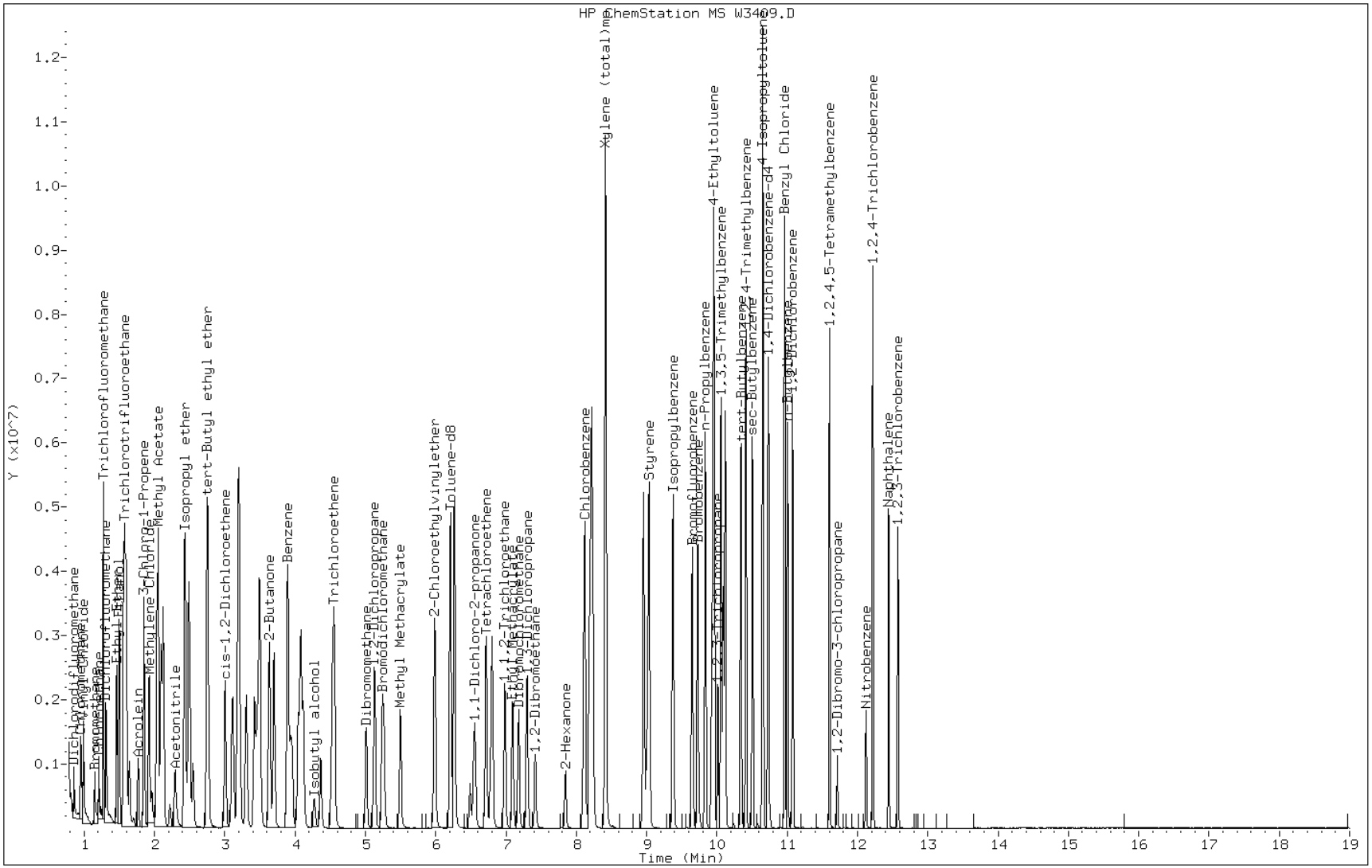
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: W3409.D

Date: 19-JUL-2011 15:40

Client ID: IC;100 Instrument: msw.i

Sample Info: IC;100 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3409.D
Inj. Date and Time: 19-JUL-2011 15:40
Instrument ID: msw.i
Client ID: IC;100
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/20/2011

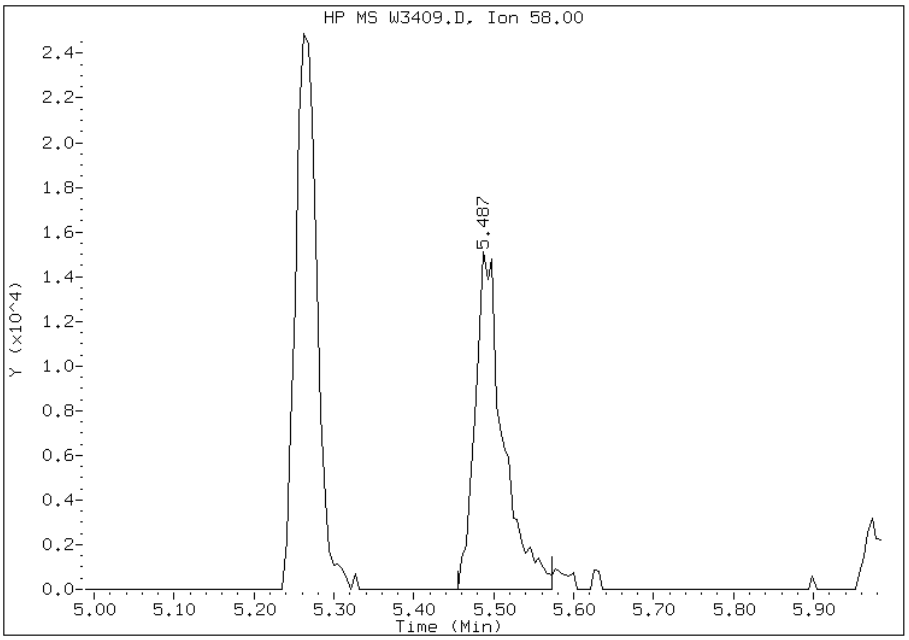
Processing Integration Results

RT: 5.49

Response: 36762

Amount: 0

Conc: 0



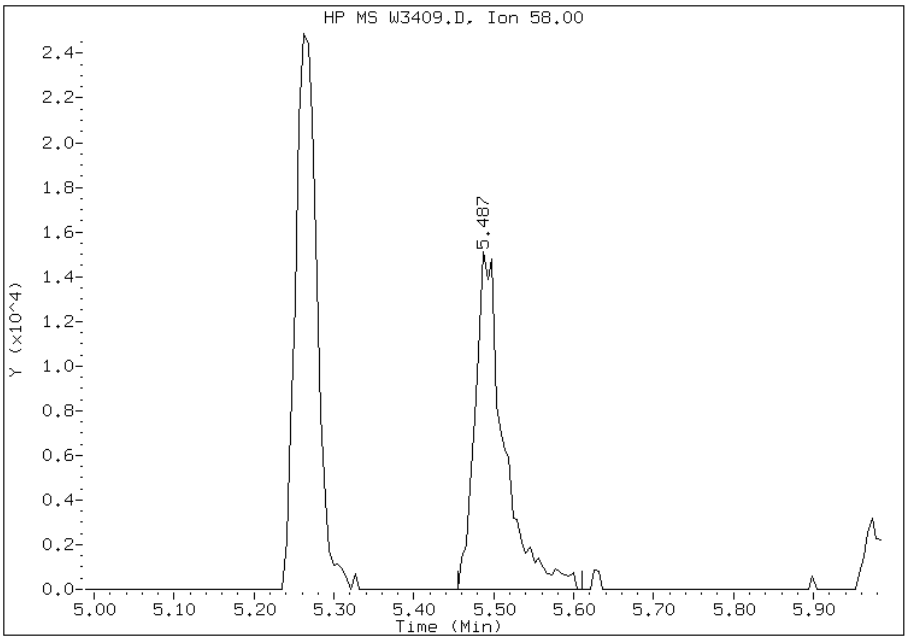
Manual Integration Results

RT: 5.49

Response: 37945

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3409.D
Inj. Date and Time: 19-JUL-2011 15:40
Instrument ID: msw.i
Client ID: IC;100
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/20/2011

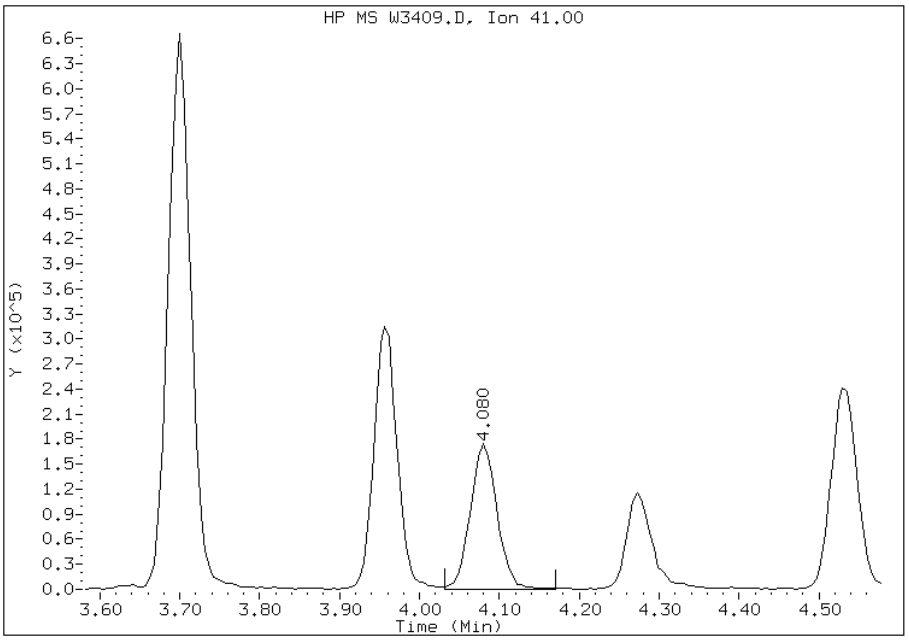
Processing Integration Results

RT: 4.08

Response: 404004

Amount: 83

Conc: 83



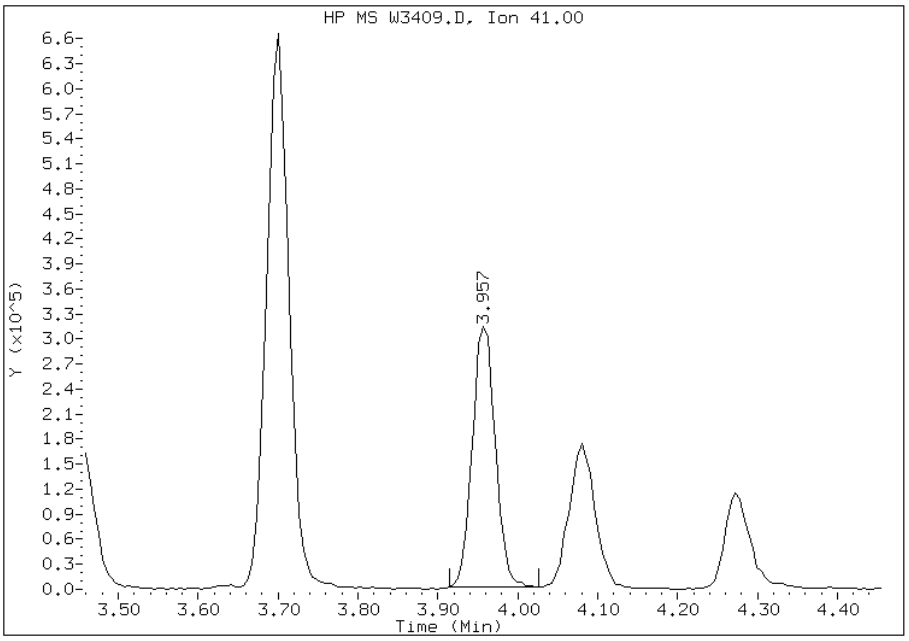
Manual Integration Results

RT: 3.96

Response: 620731

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3409.D
Inj. Date and Time: 19-JUL-2011 15:40
Instrument ID: msw.i
Client ID: IC;100
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

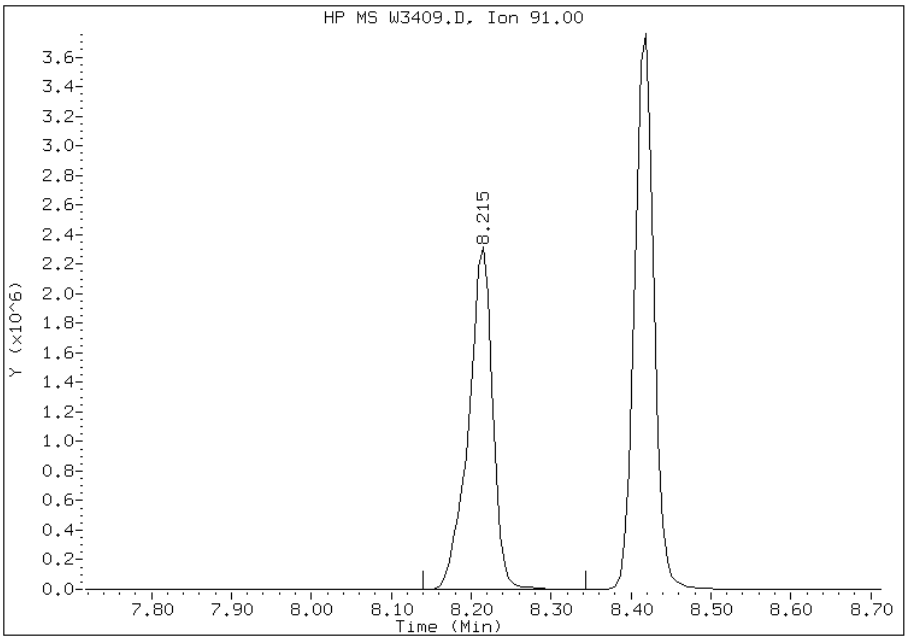
Processing Integration Results

RT: 8.22

Response: 4848116

Amount: 99

Conc: 99



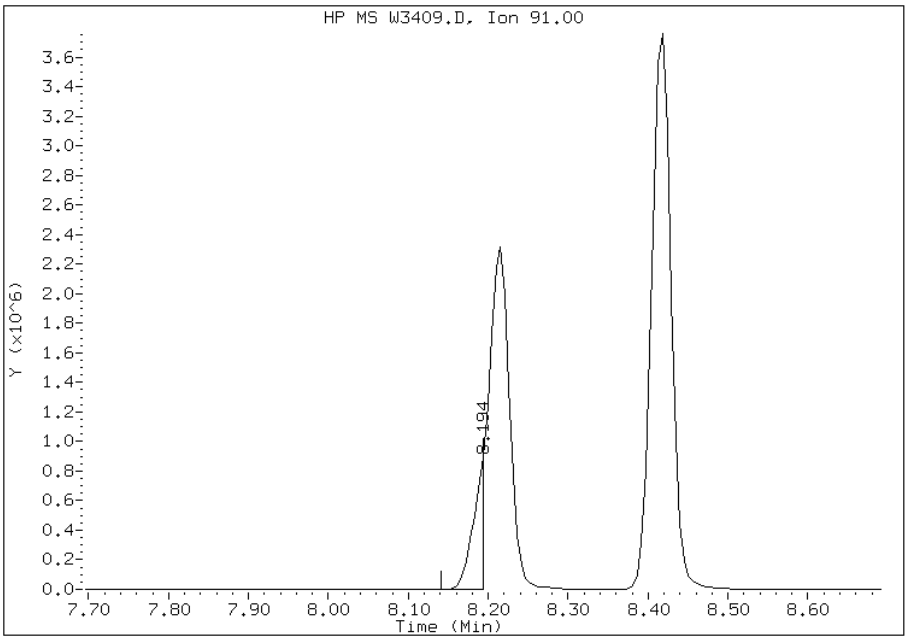
Manual Integration Results

RT: 8.19

Response: 880858

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3410.D
Lab Smp Id: IC;50 Client Smp ID: IC;50
Inj Date : 19-JUL-2011 16:05 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : IC;50
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : 19-JUL-2011 15:40 Cal File: W3409.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.368	4.368	(1.000)	997301	25.0000	
2	Dichlorodifluoromethane	85	0.854	0.854	(0.195)	465883	50.0000	46
3	Chloromethane	50	0.950	0.950	(0.218)	702609	50.0000	48
4	Vinyl Chloride	62	0.987	0.987	(0.226)	586223	50.0000	48
5	Bromomethane	94	1.148	1.148	(0.263)	237117	50.0000	48
6	Chloroethane	64	1.207	1.207	(0.276)	268778	50.0000	51
7	Trichlorofluoromethane	101	1.271	1.271	(0.291)	1131280	50.0000	50
8	Dichlorofluoromethane	67	1.308	1.308	(0.300)	879757	50.0000	50
9	Ethyl Ether	45	1.463	1.463	(0.335)	382888	50.0000	49
10	Ethanol	45	1.496	1.496	(0.342)	227473	500.000	470
12	Freon 123	67	1.597	1.597	(0.366)	104118	50.0000	48
13	Trichlorotrifluoroethane	101	1.581	1.581	(0.362)	440281	50.0000	49
14	1,1-Dichloroethene	96	1.554	1.554	(0.356)	351553	50.0000	49
15	Carbon Disulfide	76	1.570	1.570	(0.360)	1293706	50.0000	50
16	Iodomethane	142	1.640	1.640	(0.375)	443198	50.0000	51
17	Acrolein	56	1.768	1.768	(0.405)	330404	250.000	260
18	2-Propanol	45	1.907	1.907	(0.437)	54504	50.0000	60(M)
19	3-Chloro-1-Propene	41	1.849	1.849	(0.423)	938090	50.0000	49
20	Methylene Chloride	84	1.918	1.918	(0.439)	439798	50.0000	52
21	Acetone	43	1.961	1.961	(0.449)	175838	50.0000	48
22	trans-1,2-Dichloroethene	96	2.031	2.031	(0.465)	414550	50.0000	49
23	Methyl Acetate	43	2.052	2.052	(0.470)	2166852	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.121	2.121	(0.486)	1289193	50.0000	50
	25 tert-Butyl alcohol	59	2.218	2.218	(0.508)	211284	250.000	300
	26 Acetonitrile	41	2.293	2.293	(0.525)	596622	500.000	530
	27 Isopropyl ether	45	2.432	2.432	(0.557)	2051438	50.0000	48
	28 tert-Butyl ethyl ether	59	2.753	2.753	(0.630)	1674039	50.0000	49
	29 2-Chloro-1,3-Butadiene	88	2.485	2.485	(0.569)	415788	50.0000	51
	30 Acrylonitrile	53	2.549	2.549	(0.584)	359393	100.000	94
	31 1,1-Dichloroethane	63	2.501	2.501	(0.573)	919539	50.0000	50
	32 Vinyl Acetate	43	2.753	2.753	(0.630)	1397446	50.0000	49
	33 cis-1,2-Dichloroethene	96	3.004	3.004	(0.688)	473887	50.0000	50
	34 2,2-Dichloropropane	77	3.111	3.111	(0.712)	724893	50.0000	49
	35 Bromochloromethane	128	3.202	3.202	(0.733)	258382	50.0000	50
	37 Cyclohexane	84	3.202	3.202	(0.733)	482264	50.0000	50
	38 Chloroform	83	3.309	3.309	(0.758)	844048	50.0000	50
	39 Ethyl Acetate	43	3.459	3.459	(0.792)	124368	100.000	100
	40 Methyl Acrylate	55	3.464	3.464	(0.793)	446770	50.0000	48
$	41 Dibromofluoromethane	111	3.496	3.496	(0.800)	540659	50.0000	50
	42 Tetrahydrofuran	42	3.459	3.459	(0.792)	353320	100.000	99
	43 Carbon Tetrachloride	117	3.421	3.421	(0.783)	739373	50.0000	49
	44 1,1,1-Trichloroethane	97	3.496	3.496	(0.800)	815217	50.0000	49
	45 2-Butanone	43	3.641	3.641	(0.833)	236521	50.0000	47
	46 1,1-Dichloropropene	75	3.630	3.630	(0.831)	640933	50.0000	49
	47 tert-Amyl methyl ether	73	4.079	4.079	(0.934)	1185929	50.0000	49
	49 1-Chlorobutane	56	3.700	3.700	(0.847)	1065113	50.0000	48
	50 Heptane	43	3.186	3.186	(0.729)	1007098	50.0000	49
	51 Propionitrile	54	3.930	3.930	(0.900)	658027	500.000	510
	52 Benzene	78	3.892	3.892	(0.891)	1738979	50.0000	50
	53 2-Methyl-2-Propenenitrile	41	3.956	3.956	(0.906)	304021	50.0000	47(M)
	54 Isobutyl alcohol	42	4.272	4.272	(0.978)	109408	500.000	550
$	55 1,2-Dichloroethane-d4	65	4.042	4.042	(0.925)	623084	50.0000	49
	56 1,2-Dichloroethane	62	4.117	4.117	(0.942)	730833	50.0000	48
	59 Methyl Cyclohexane	83	4.529	4.529	(1.037)	487727	50.0000	48
	60 Trichloroethene	130	4.556	4.556	(1.043)	498973	50.0000	50
	63 Dibromomethane	93	5.010	5.010	(1.147)	297775	50.0000	48
	64 1,2-Dichloropropane	63	5.133	5.133	(1.175)	552421	50.0000	50
	65 Bromodichloromethane	83	5.240	5.240	(1.200)	657583	50.0000	50
	174 Ethyl Acrylate	55	5.267	5.267	(1.206)	650531	50.0000	48(T)
	66 Methyl Methacrylate	69	5.497	5.497	(1.258)	300355	50.0000	48
	67 1,4-Dioxane	58	5.492	5.492	(1.257)	40259	500.000	1000(AM)
	69 2-Chloroethylvinylether	63	5.979	5.979	(1.369)	257760	50.0000	49
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.371)	763814	50.0000	49
	71 Chloroacetonitrile	48	6.487	6.487	(1.485)	162497	500.000	520
	72 2-Nitropropane	41	6.540	6.540	(1.497)	237090	100.000	94
	73 trans-1,3-Dichloropropene	75	6.808	6.808	(1.558)	728315	50.0000	49
	74 1,1,2-Trichloroethane	97	6.984	6.984	(1.599)	381772	50.0000	50
*	75 Chlorobenzene-d5	117	8.102	8.102	(1.000)	807687	25.0000	
	76 Toluene	91	6.267	6.267	(0.774)	1966270	50.0000	50
$	77 Toluene-d8	98	6.209	6.209	(0.766)	1743315	50.0000	51
	78 1,1-Dichloro-2-propanone	43	6.556	6.556	(0.809)	1206047	250.000	250
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	502952	50.0000	50
	80 Tetrachloroethene	164	6.717	6.717	(0.829)	382948	50.0000	51
	81 Ethyl Methacrylate	69	7.097	7.097	(0.876)	478539	50.0000	50
	82 Dibromochloromethane	129	7.182	7.182	(0.886)	543488	50.0000	49
	83 1,3-Dichloropropane	76	7.300	7.300	(0.901)	656774	50.0000	51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	7.418	7.418	(0.915)	441065	50.0000	52
86	2-Hexanone	43	7.846	7.846	(0.968)	337968	50.0000	48
87	1-Chlorohexane	91	8.193	8.193	(1.011)	467031	50.0000	52(M)
88	Chlorobenzene	112	8.118	8.118	(1.002)	1254022	50.0000	51
89	1,1,1,2-Tetrachloroethane	131	8.231	8.231	(1.016)	510460	50.0000	50
90	Ethylbenzene	106	8.215	8.215	(1.014)	648843	50.0000	49
91	Xylene (total)mp	106	8.413	8.413	(1.038)	1617929	100.000	100
92	Xylene (total)o	106	8.958	8.958	(1.106)	782265	50.0000	50
93	Styrene	104	9.033	9.033	(1.115)	1303034	50.0000	50
94	Bromoform	173	9.007	9.007	(1.112)	368557	50.0000	48
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	460676	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	1643807	50.0000	51
97	Bromobenzene	156	9.729	9.729	(0.907)	592432	50.0000	52
98	1,1,2,2-Tetrachloroethane	83	9.927	9.927	(0.926)	463992	50.0000	50
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	1762141	50.0000	51
100	1,2,3-Trichloropropane	110	10.012	10.012	(0.934)	135583	50.0000	52
101	trans-1,4-Dichloro-2-Butene	53	10.087	10.087	(0.941)	338096	100.000	98
102	n-Propylbenzene	91	9.836	9.836	(0.917)	1993548	50.0000	50
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	1555892	50.0000	51
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	1556594	50.0000	52
105	1,3,5-Trimethylbenzene	105	10.060	10.060	(0.938)	1501453	50.0000	50
106	tert-Butylbenzene	119	10.344	10.344	(0.965)	1173442	50.0000	50
107	1,2,4-Trimethylbenzene	105	10.414	10.414	(0.971)	1584754	50.0000	50
108	sec-Butylbenzene	105	10.504	10.504	(0.980)	1587128	50.0000	51
109	4-Isopropyltoluene	119	10.654	10.654	(0.994)	1412074	50.0000	50
110	1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	966807	50.0000	50
111	1,4-Dichlorobenzene	146	10.734	10.734	(1.001)	1007317	50.0000	51
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	968634	50.0000	51
113	Benzyl Chloride	126	10.959	10.959	(1.022)	209545	50.0000	51
114	1,4-Diethylbenzene	119	10.965	10.965	(1.022)	711423	50.0000	50
115	n-Butylbenzene	91	11.007	11.007	(1.026)	1262839	50.0000	51
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	1366528	50.0000	51
119	1,2-Dibromo-3-chloropropane	75	11.713	11.713	(1.092)	98852	50.0000	52
120	Nitrobenzene	77	12.120	12.120	(1.130)	323152	500.000	540
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	579226	50.0000	52
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	289358	50.0000	59
123	Naphthalene	128	12.446	12.446	(1.161)	1374127	50.0000	54
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	498391	50.0000	54
$ 125	Bromofluorobenzene	95	9.649	9.649	(0.900)	637784	50.0000	52
M 126	1,2-Dichloroethene (total)	100				888437	100.000	100
M 127	Xylene (total)	100				2400194	150.000	150

QC Flag Legend

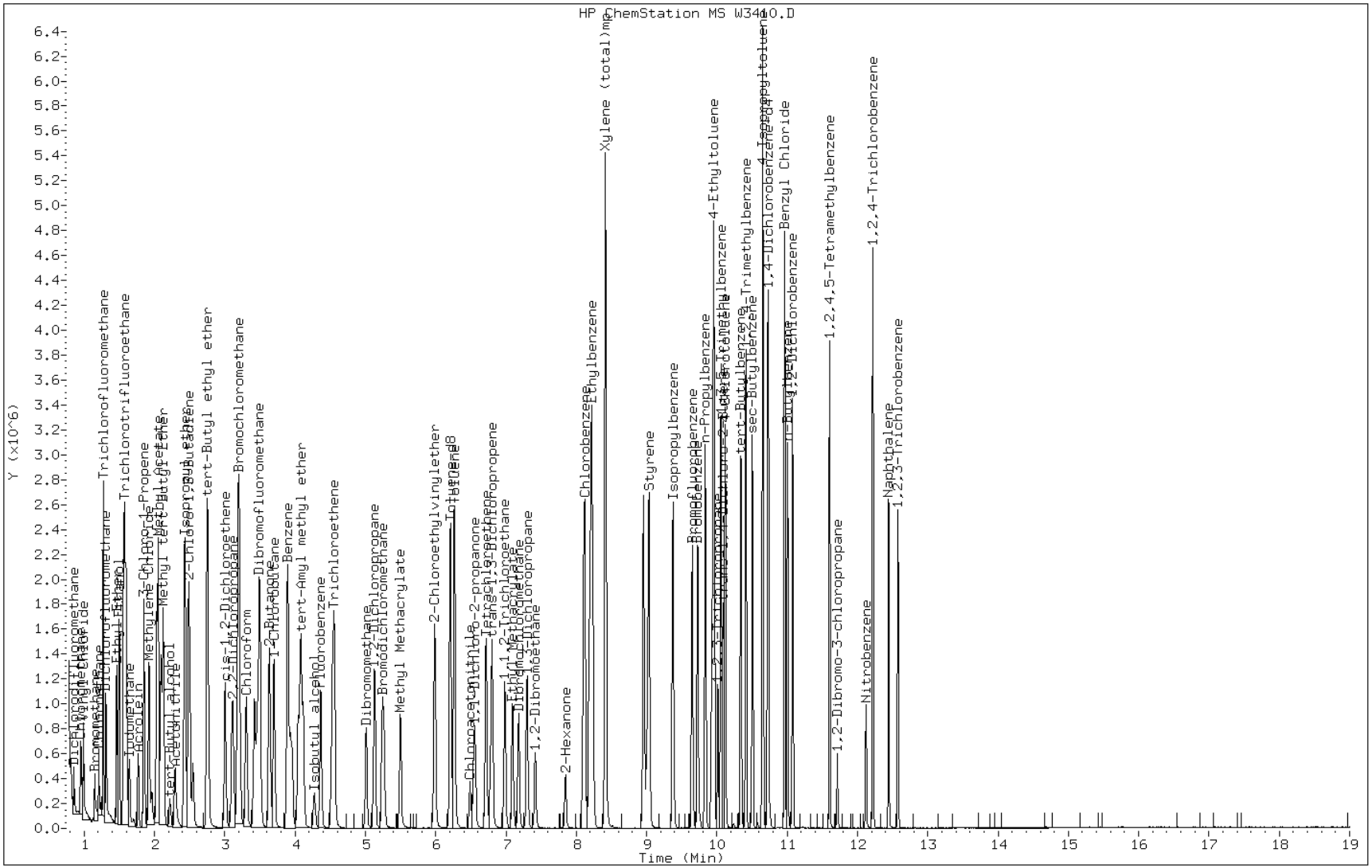
T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: W3410.D

Date: 19-JUL-2011 16:05

Client ID: IC;50 Instrument: msw.i

Sample Info: IC;50 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3410.D
Inj. Date and Time: 19-JUL-2011 16:05
Instrument ID: msw.i
Client ID: IC;50
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/20/2011

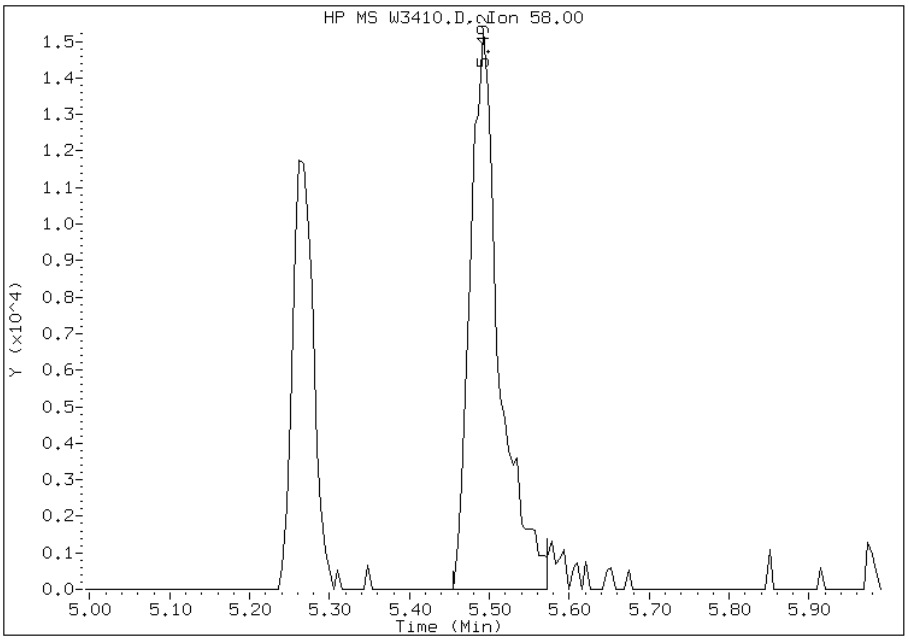
Processing Integration Results

RT: 5.49

Response: 38981

Amount: 1023

Conc: 1023



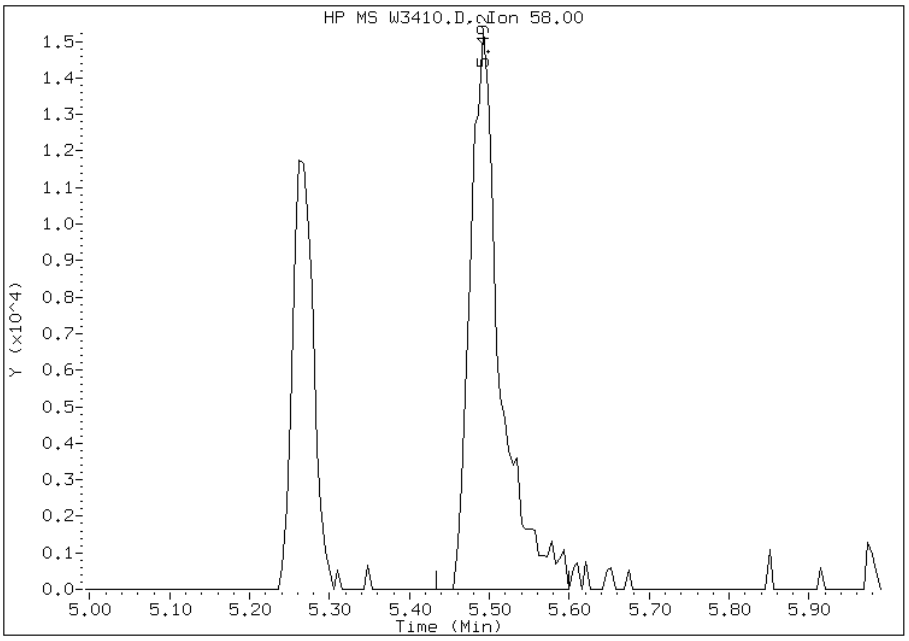
Manual Integration Results

RT: 5.49

Response: 40259

Amount: 1023

Conc: 1023



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3410.D
Inj. Date and Time: 19-JUL-2011 16:05
Instrument ID: msw.i
Client ID: IC;50
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

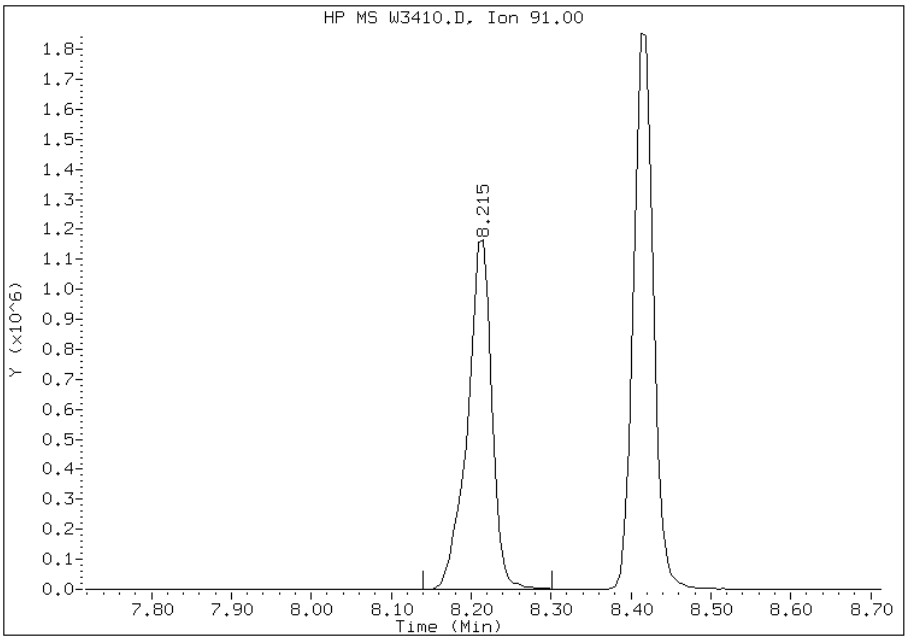
Processing Integration Results

RT: 8.22

Response: 2464521

Amount: 73

Conc: 73



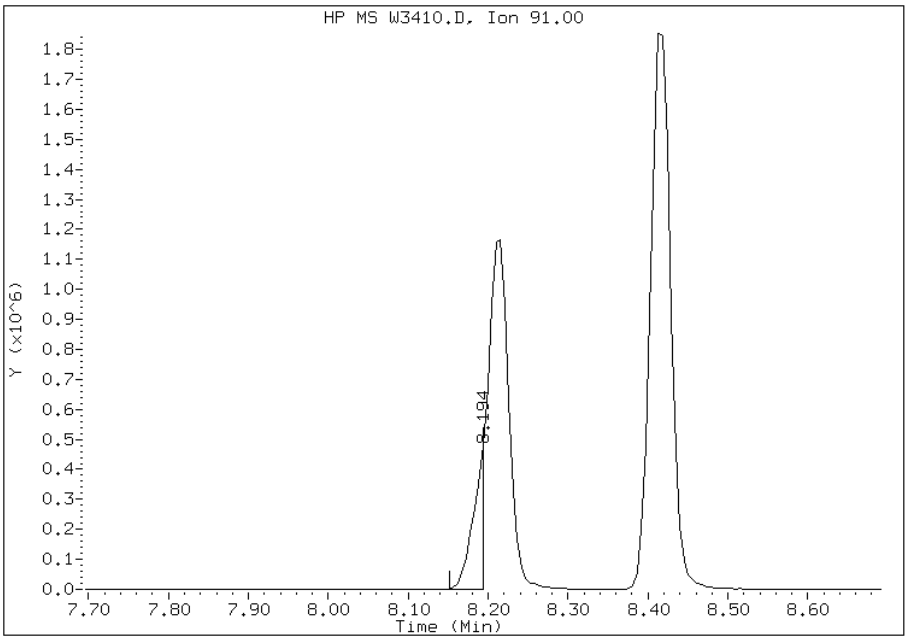
Manual Integration Results

RT: 8.19

Response: 467031

Amount: 52

Conc: 52



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3410.D
Inj. Date and Time: 19-JUL-2011 16:05
Instrument ID: msw.i
Client ID: IC;50
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/20/2011

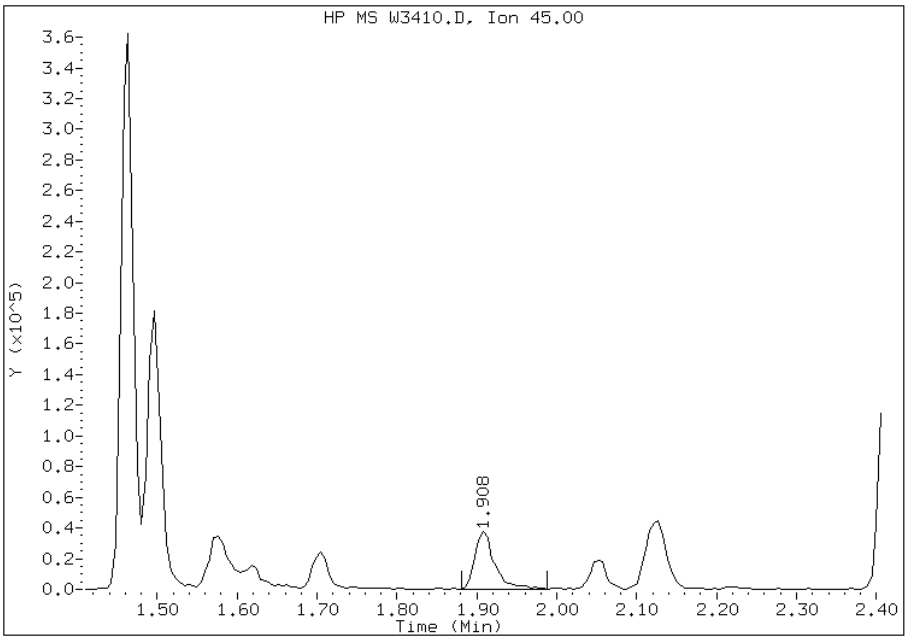
Processing Integration Results

RT: 1.91

Response: 65104

Amount: 71

Conc: 71



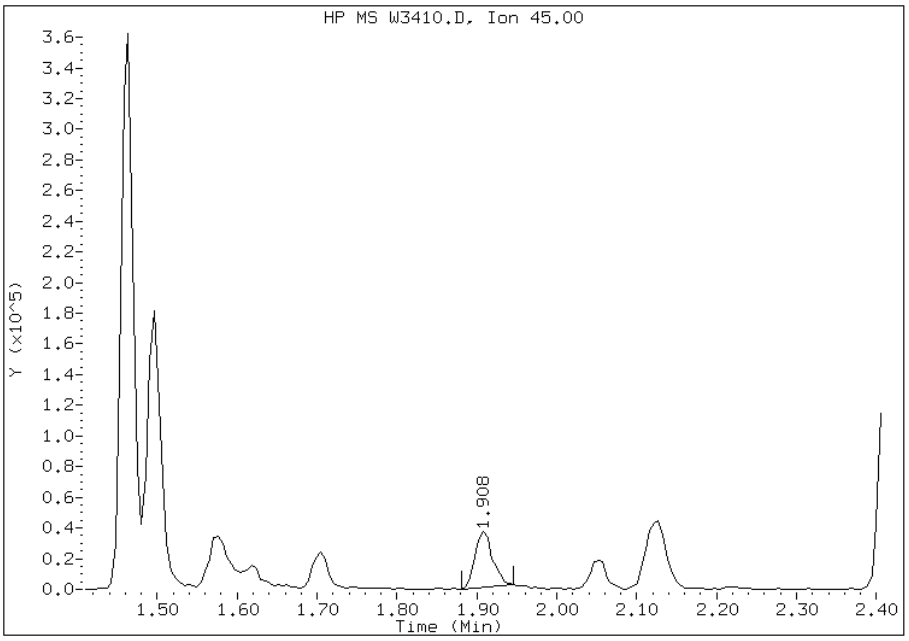
Manual Integration Results

RT: 1.91

Response: 54504

Amount: 60

Conc: 60



Manually Integrated By: barbara
Manual Integration Reason:

Manual Integration Report

Data File: W3410.D
Inj. Date and Time: 19-JUL-2011 16:05
Instrument ID: msw.i
Client ID: IC;50
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/20/2011

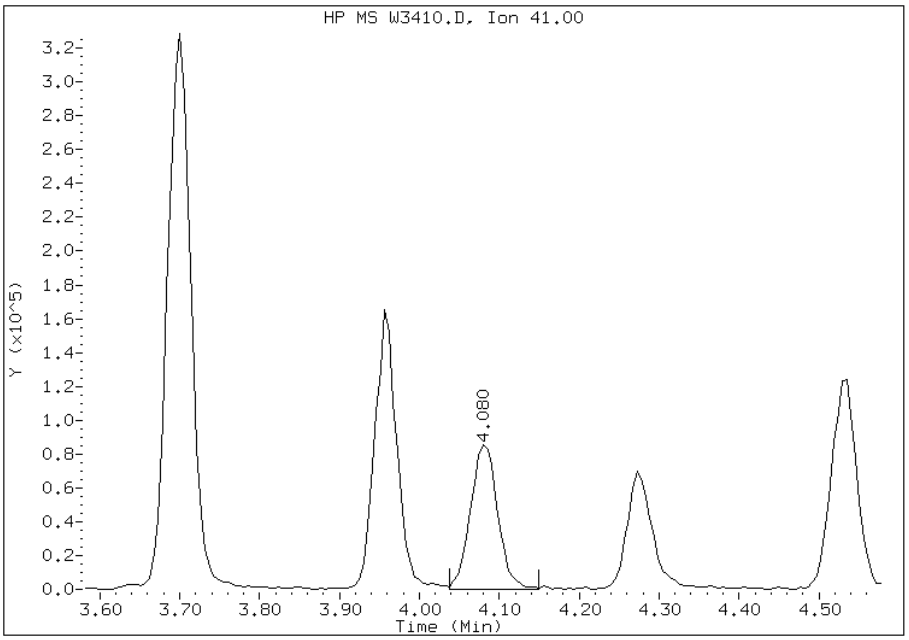
Processing Integration Results

RT: 4.08

Response: 200926

Amount: 41

Conc: 41



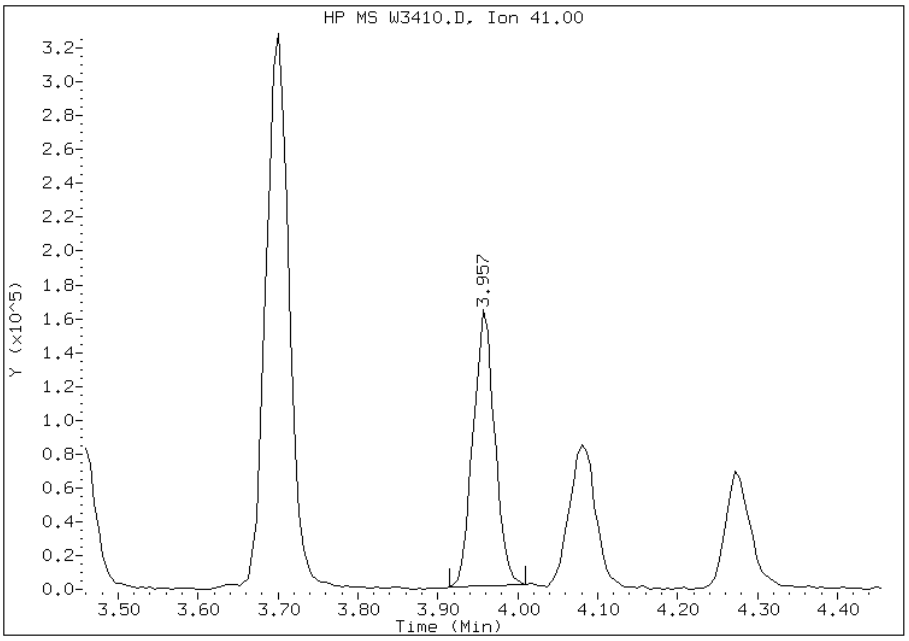
Manual Integration Results

RT: 3.96

Response: 304021

Amount: 47

Conc: 47



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3411.D
Lab Smp Id: ICIS Client Smp ID: ICIS
Inj Date : 19-JUL-2011 16:31 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : ICIS
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : 19-JUL-2011 16:05 Cal File: W3410.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.368	4.368	(1.000)	987783	25.0000	
2	Dichlorodifluoromethane	85	0.854	0.854	(0.196)	182469	20.0000	24
3	Chloromethane	50	0.950	0.950	(0.218)	271804	20.0000	19
4	Vinyl Chloride	62	0.987	0.987	(0.226)	222891	20.0000	19
5	Bromomethane	94	1.153	1.153	(0.264)	87469	20.0000	18
6	Chloroethane	64	1.212	1.212	(0.278)	109239	20.0000	21(M)
7	Trichlorofluoromethane	101	1.282	1.282	(0.293)	381276	20.0000	17
8	Dichlorofluoromethane	67	1.314	1.314	(0.301)	315479	20.0000	18
9	Ethyl Ether	45	1.458	1.458	(0.334)	151111	20.0000	20
10	Ethanol	45	1.501	1.501	(0.344)	89867	200.000	230
12	Freon 123	67	1.603	1.603	(0.367)	42343	20.0000	22
13	Trichlorotrifluoroethane	101	1.587	1.587	(0.363)	178228	20.0000	20
14	1,1-Dichloroethene	96	1.560	1.560	(0.357)	136313	20.0000	19
15	Carbon Disulfide	76	1.576	1.576	(0.361)	515094	20.0000	20
16	Iodomethane	142	1.645	1.645	(0.377)	154917	20.0000	16
17	Acrolein	56	1.768	1.768	(0.405)	118100	100.000	92
18	2-Propanol	45	1.897	1.897	(0.434)	24177	20.0000	9
19	3-Chloro-1-Propene	41	1.854	1.854	(0.424)	371381	20.0000	20
20	Methylene Chloride	84	1.924	1.924	(0.440)	194248	20.0000	23
21	Acetone	43	1.961	1.961	(0.449)	75513	20.0000	21
22	trans-1,2-Dichloroethene	96	2.036	2.036	(0.466)	162069	20.0000	20
23	Methyl Acetate	43	2.052	2.052	(0.470)	840627	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.122	2.122	(0.486)	505270	20.0000	20
	25 tert-Butyl alcohol	59	2.052	2.052	(0.470)	66801	100.000	1
	26 Acetonitrile	41	2.287	2.287	(0.524)	237077	200.000	200
	27 Isopropyl ether	45	2.427	2.427	(0.555)	808722	20.0000	20
	28 tert-Butyl ethyl ether	59	2.753	2.753	(0.630)	649860	20.0000	19
	29 2-Chloro-1,3-Butadiene	88	2.485	2.485	(0.569)	155832	20.0000	19
	30 Acrylonitrile	53	2.550	2.550	(0.584)	135450	40.0000	37(H)
	31 1,1-Dichloroethane	63	2.501	2.501	(0.573)	360477	20.0000	20
	32 Vinyl Acetate	43	2.753	2.753	(0.630)	527420	20.0000	19
	33 cis-1,2-Dichloroethene	96	3.004	3.004	(0.688)	184256	20.0000	20
	34 2,2-Dichloropropane	77	3.111	3.111	(0.712)	283076	20.0000	19
	35 Bromochloromethane	128	3.208	3.208	(0.734)	102386	20.0000	20
	37 Cyclohexane	84	3.202	3.202	(0.733)	183236	20.0000	19
	38 Chloroform	83	3.309	3.309	(0.758)	342169	20.0000	20
	39 Ethyl Acetate	43	3.459	3.459	(0.792)	48158	40.0000	39
	40 Methyl Acrylate	55	3.464	3.464	(0.793)	171104	20.0000	19
$	41 Dibromofluoromethane	111	3.496	3.496	(0.800)	215772	20.0000	20
	42 Tetrahydrofuran	42	3.459	3.459	(0.792)	132573	40.0000	38
	43 Carbon Tetrachloride	117	3.427	3.427	(0.784)	294022	20.0000	20
	44 1,1,1-Trichloroethane	97	3.502	3.502	(0.802)	321814	20.0000	20
	45 2-Butanone	43	3.636	3.636	(0.832)	97827	20.0000	20
	46 1,1-Dichloropropene	75	3.636	3.636	(0.832)	246410	20.0000	19
	47 tert-Amyl methyl ether	73	4.080	4.080	(0.934)	468297	20.0000	20
	49 1-Chlorobutane	56	3.700	3.700	(0.847)	426968	20.0000	20
	50 Heptane	43	3.186	3.186	(0.729)	375847	20.0000	19(H)
	51 Propionitrile	54	3.930	3.930	(0.900)	256448	200.000	200
	52 Benzene	78	3.892	3.892	(0.891)	690954	20.0000	20
	53 2-Methyl-2-Propenenitrile	41	3.951	3.951	(0.904)	123957	20.0000	20(M)
	54 Isobutyl alcohol	42	4.272	4.272	(0.978)	44219	200.000	210
$	55 1,2-Dichloroethane-d4	65	4.047	4.047	(0.927)	254928	20.0000	20
	56 1,2-Dichloroethane	62	4.117	4.117	(0.942)	286737	20.0000	19(H)
	59 Methyl Cyclohexane	83	4.534	4.534	(1.038)	193294	20.0000	20
	60 Trichloroethene	130	4.556	4.556	(1.043)	194810	20.0000	20
	63 Dibromomethane	93	5.010	5.010	(1.147)	118851	20.0000	20
	64 1,2-Dichloropropane	63	5.128	5.128	(1.174)	220271	20.0000	20
	65 Bromodichloromethane	83	5.240	5.240	(1.200)	251882	20.0000	19
	174 Ethyl Acrylate	55	5.267	5.267	(1.206)	244764	20.0000	22(T)
	66 Methyl Methacrylate	69	5.503	5.503	(1.260)	113989	20.0000	19
	67 1,4-Dioxane	58	5.497	5.497	(1.258)	17493	200.000	290(M)
	69 2-Chloroethylvinylether	63	5.979	5.979	(1.369)	97679	20.0000	20
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.371)	289702	20.0000	19
	71 Chloroacetonitrile	48	6.487	6.487	(1.485)	57602	200.000	160
	72 2-Nitropropane	41	6.540	6.540	(1.497)	93316	40.0000	38
	73 trans-1,3-Dichloropropene	75	6.803	6.803	(1.557)	279154	20.0000	19
	74 1,1,2-Trichloroethane	97	6.984	6.984	(1.599)	153152	20.0000	20
*	75 Chlorobenzene-d5	117	8.103	8.103	(1.000)	811146	25.0000	
	76 Toluene	91	6.268	6.268	(0.774)	770898	20.0000	20
$	77 Toluene-d8	98	6.209	6.209	(0.766)	691076	20.0000	20
	78 1,1-Dichloro-2-propanone	43	6.556	6.556	(0.809)	463919	100.000	95
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	198735	20.0000	20
	80 Tetrachloroethene	164	6.717	6.717	(0.829)	150275	20.0000	20
	81 Ethyl Methacrylate	69	7.097	7.097	(0.876)	178647	20.0000	18
	82 Dibromochloromethane	129	7.182	7.182	(0.886)	211391	20.0000	19
	83 1,3-Dichloropropane	76	7.300	7.300	(0.901)	261373	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	7.418	7.418	(0.915)	171158	20.0000	20
86	2-Hexanone	43	7.846	7.846	(0.968)	137830	20.0000	20
87	1-Chlorohexane	91	8.193	8.193	(1.011)	188688	20.0000	18(M)
88	Chlorobenzene	112	8.119	8.119	(1.002)	498302	20.0000	20
89	1,1,1,2-Tetrachloroethane	131	8.236	8.236	(1.017)	192796	20.0000	19
90	Ethylbenzene	106	8.215	8.215	(1.014)	257997	20.0000	20
91	Xylene (total)mp	106	8.413	8.413	(1.038)	627672	40.0000	39
92	Xylene (total)o	106	8.958	8.958	(1.106)	308038	20.0000	20
93	Styrene	104	9.033	9.033	(1.115)	495348	20.0000	19
94	Bromoform	173	9.007	9.007	(1.112)	143370	20.0000	19
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	453808	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	638272	20.0000	20
97	Bromobenzene	156	9.729	9.729	(0.907)	230732	20.0000	20
98	1,1,2,2-Tetrachloroethane	83	9.921	9.921	(0.925)	191797	20.0000	21
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	682176	20.0000	20
100	1,2,3-Trichloropropane	110	10.012	10.012	(0.934)	56175	20.0000	21
101	trans-1,4-Dichloro-2-Butene	53	10.087	10.087	(0.941)	133725	40.0000	40
102	n-Propylbenzene	91	9.836	9.836	(0.917)	775321	20.0000	20
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	605377	20.0000	20
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	600371	20.0000	20
105	1,3,5-Trimethylbenzene	105	10.055	10.055	(0.938)	586779	20.0000	20
106	tert-Butylbenzene	119	10.344	10.344	(0.965)	454274	20.0000	20
107	1,2,4-Trimethylbenzene	105	10.414	10.414	(0.971)	613085	20.0000	20
108	sec-Butylbenzene	105	10.505	10.505	(0.980)	617433	20.0000	20
109	4-Isopropyltoluene	119	10.654	10.654	(0.994)	539554	20.0000	19
110	1,3-Dichlorobenzene	146	10.654	10.654	(0.994)	385443	20.0000	20
111	1,4-Dichlorobenzene	146	10.735	10.735	(1.001)	403360	20.0000	20
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	383904	20.0000	20
113	Benzyl Chloride	126	10.959	10.959	(1.022)	76614	20.0000	17
114	1,4-Diethylbenzene	119	10.965	10.965	(1.022)	273269	20.0000	20
115	n-Butylbenzene	91	11.007	11.007	(1.026)	489783	20.0000	20
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	515550	20.0000	19
119	1,2-Dibromo-3-chloropropane	75	11.714	11.714	(1.092)	39604	20.0000	18
120	Nitrobenzene	77	12.120	12.120	(1.130)	124703	200.000	200
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	229862	20.0000	20
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	122285	20.0000	23
123	Naphthalene	128	12.447	12.447	(1.161)	555909	20.0000	21
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	203258	20.0000	21
$ 125	Bromofluorobenzene	95	9.649	9.649	(0.900)	249590	20.0000	20
M 126	1,2-Dichloroethene (total)	100				346325	40.0000	39
M 127	Xylene (total)	100				935710	60.0000	58

QC Flag Legend

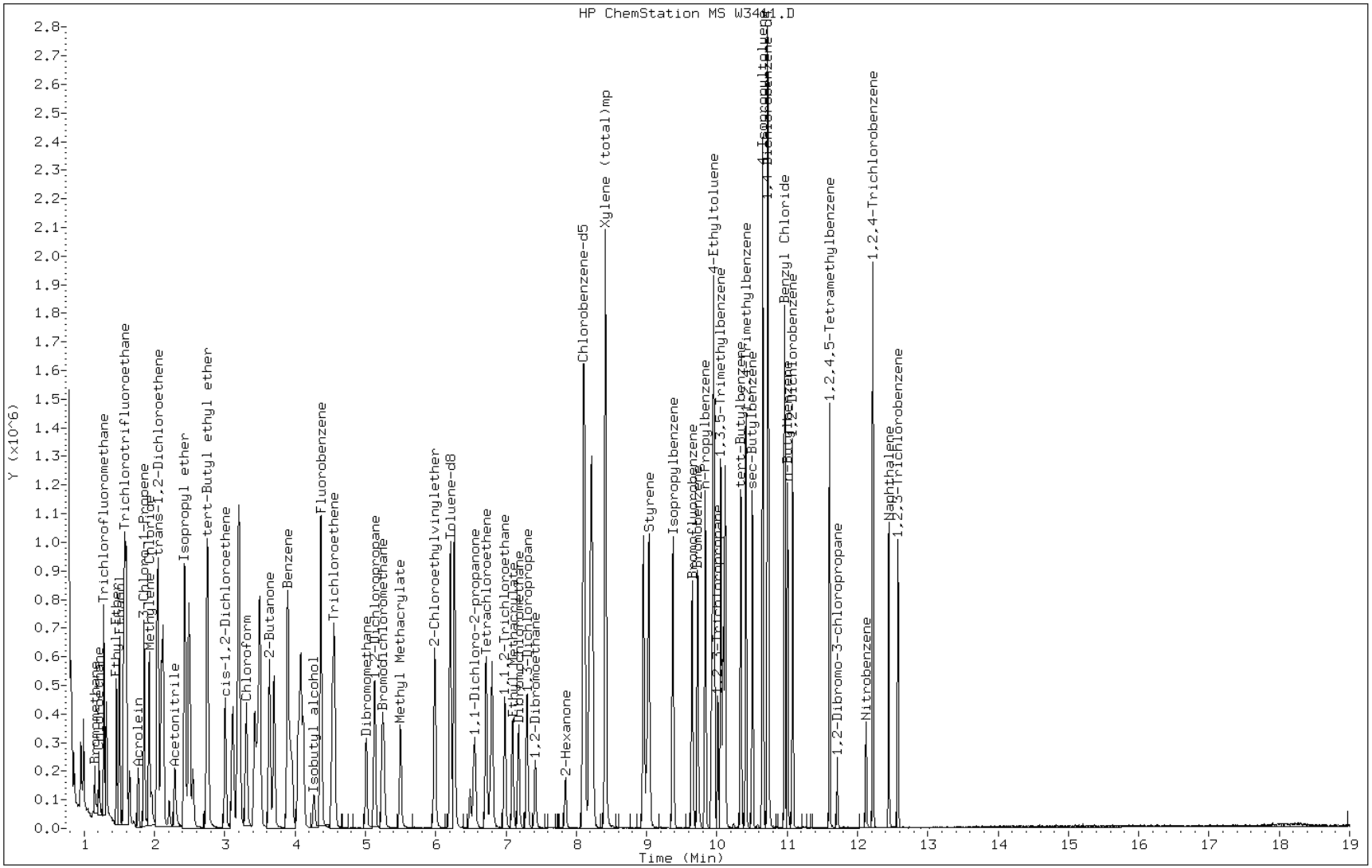
T - Target compound detected outside RT window.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: W3411.D

Date: 19-JUL-2011 16:31

Client ID: ICIS Instrument: msw.i

Sample Info: ICIS Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3411.D
Inj. Date and Time: 19-JUL-2011 16:31
Instrument ID: msw.i
Client ID: ICIS
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/20/2011

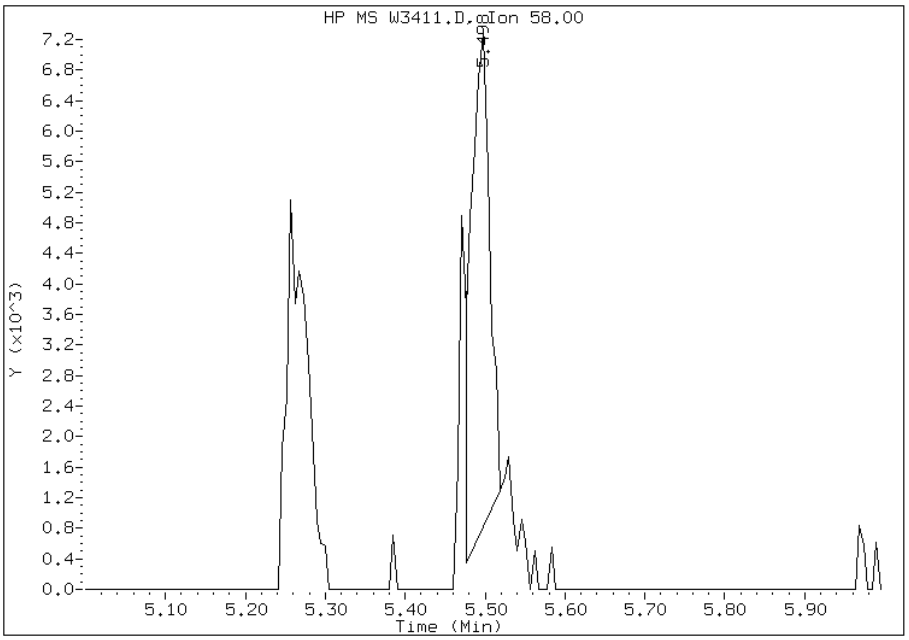
Processing Integration Results

RT: 5.50

Response: 10879

Amount: 193

Conc: 193



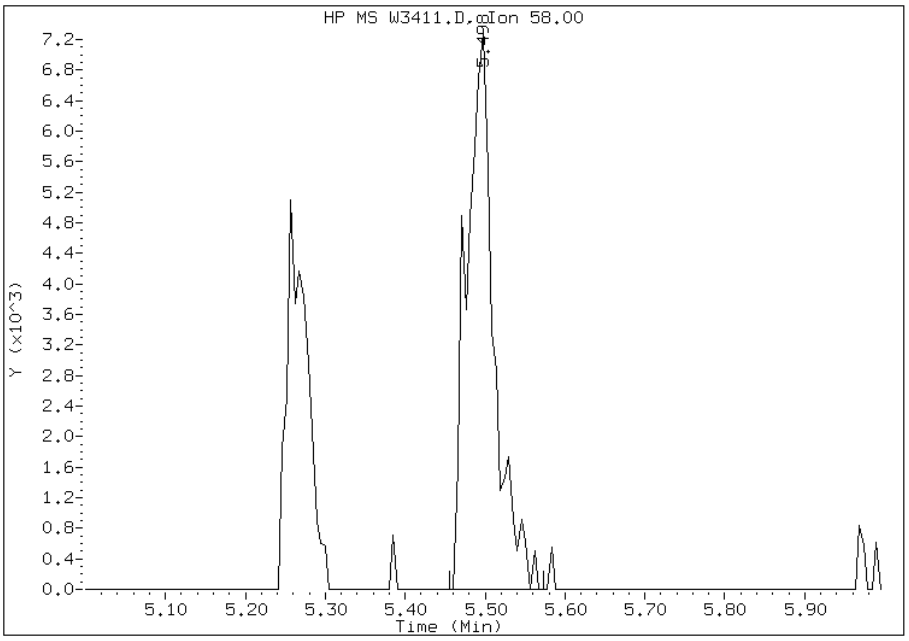
Manual Integration Results

RT: 5.50

Response: 17493

Amount: 295

Conc: 295



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3411.D
Inj. Date and Time: 19-JUL-2011 16:31
Instrument ID: msw.i
Client ID: ICIS
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

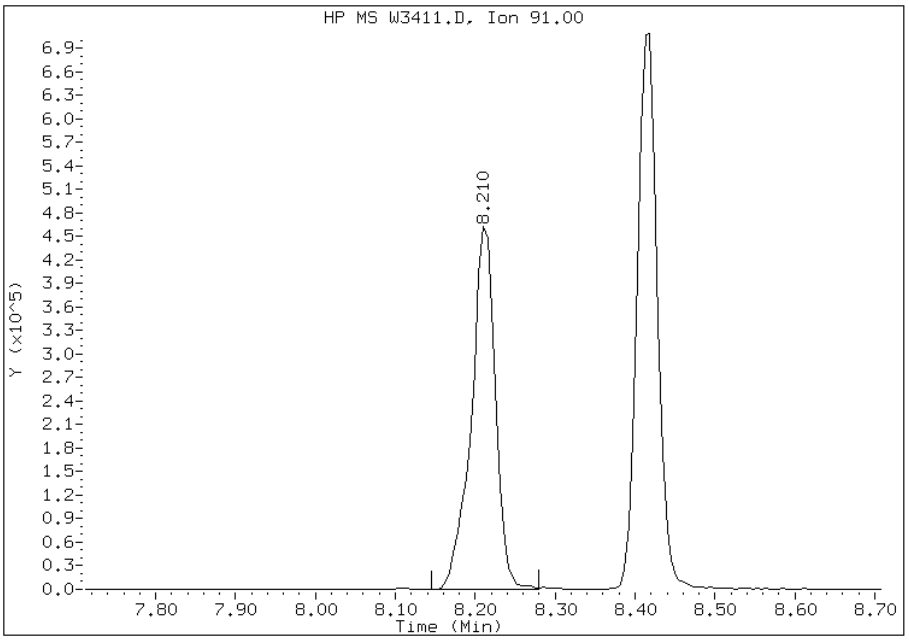
Processing Integration Results

RT: 8.21

Response: 969988

Amount: 53

Conc: 53



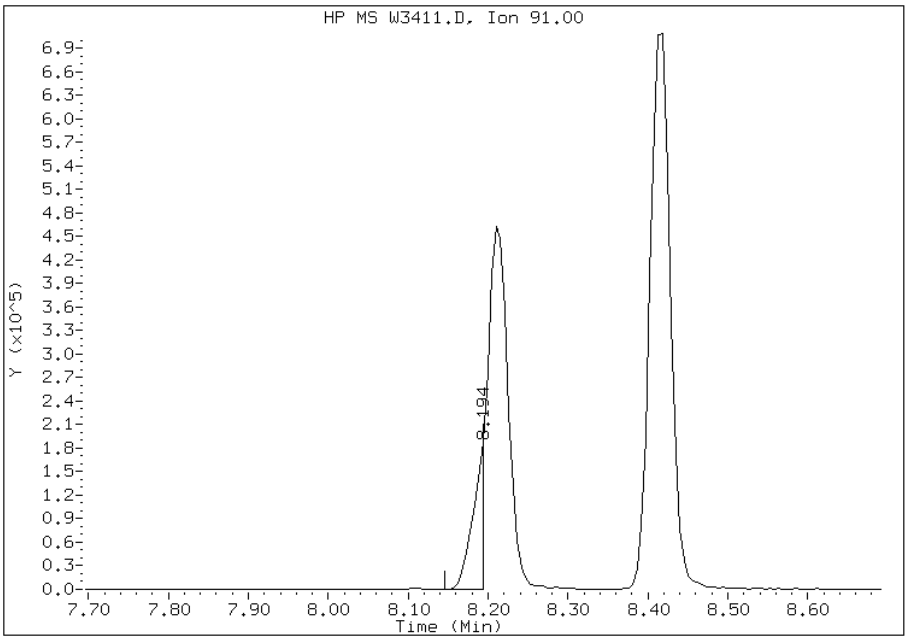
Manual Integration Results

RT: 8.19

Response: 188688

Amount: 18

Conc: 18



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3411.D
Inj. Date and Time: 19-JUL-2011 16:31
Instrument ID: msw.i
Client ID: ICIS
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/20/2011

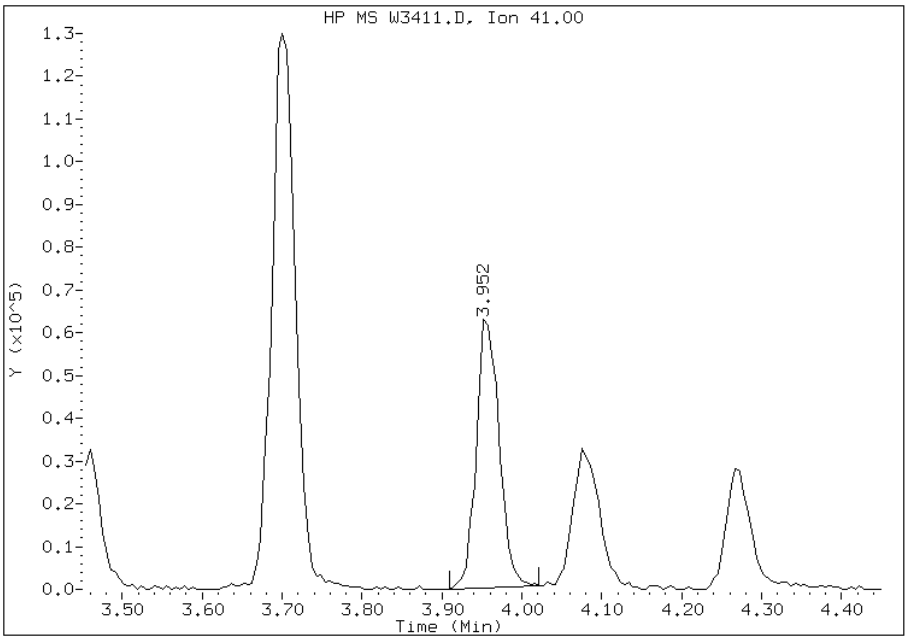
Processing Integration Results

RT: 3.95

Response: 123957

Amount: 20

Conc: 20



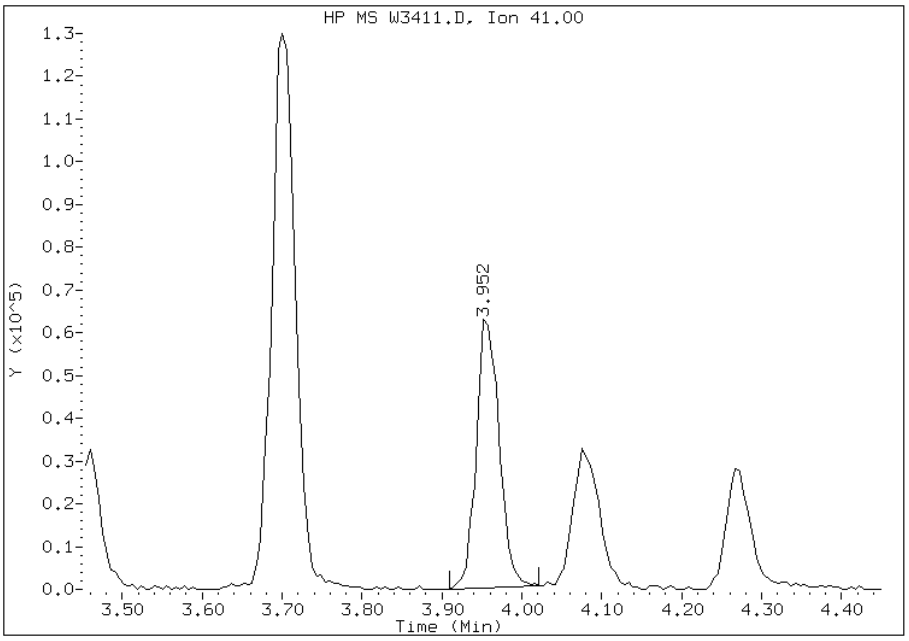
Manual Integration Results

RT: 3.95

Response: 123957

Amount: 20

Conc: 20



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3411.D
Inj. Date and Time: 19-JUL-2011 16:31
Instrument ID: msw.i
Client ID: ICIS
Compound: 6 Chloroethane
CAS #: 75-00-3
Report Date: 07/20/2011

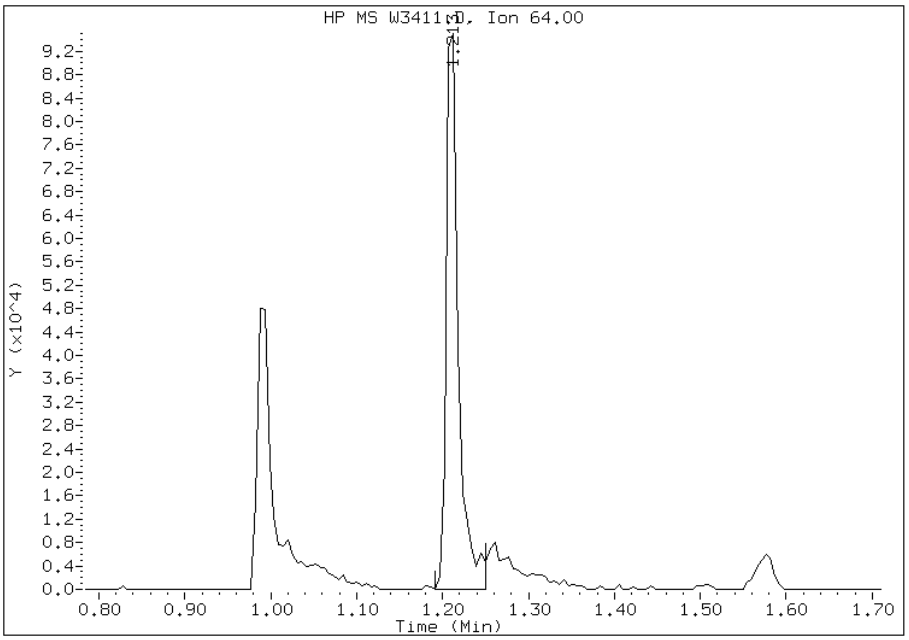
Processing Integration Results

RT: 1.21

Response: 96937

Amount: 20

Conc: 20



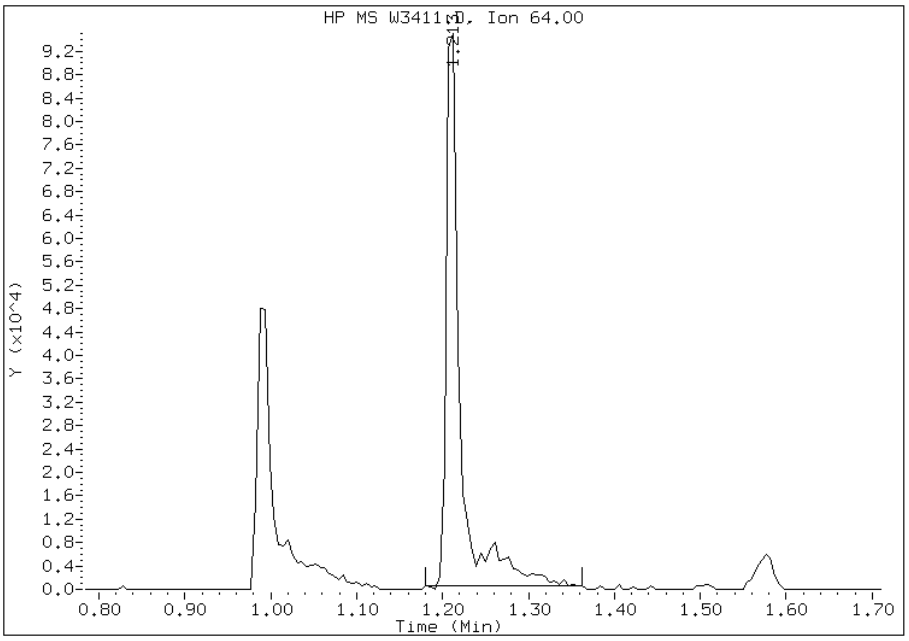
Manual Integration Results

RT: 1.21

Response: 109239

Amount: 21

Conc: 21



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3412.D
Lab Smp Id: IC;5 Client Smp ID: IC;5
Inj Date : 19-JUL-2011 16:56 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : IC;5
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : 19-JUL-2011 16:31 Cal File: W3411.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.368	4.368	(1.000)	973991	25.0000	
2	Dichlorodifluoromethane	85	0.859	0.859	(0.197)	33761	5.00000	7(M)
3	Chloromethane	50	0.950	0.950	(0.218)	60776	5.00000	4
4	Vinyl Chloride	62	0.993	0.993	(0.227)	48540	5.00000	4(M)
5	Bromomethane	94	1.153	1.153	(0.264)	21710	5.00000	5(M)
6	Chloroethane	64	1.212	1.212	(0.278)	24849	5.00000	5(M)
7	Trichlorofluoromethane	101	1.287	1.287	(0.295)	79236	5.00000	4
8	Dichlorofluoromethane	67	1.319	1.319	(0.302)	68827	5.00000	4
9	Ethyl Ether	45	1.458	1.458	(0.334)	33283	5.00000	4
10	Ethanol	45	1.501	1.501	(0.344)	17325	50.0000	59
12	Freon 123	67	1.602	1.602	(0.367)	8917	5.00000	5
13	Trichlorotrifluoroethane	101	1.592	1.592	(0.364)	35533	5.00000	4
14	1,1-Dichloroethene	96	1.565	1.565	(0.358)	28808	5.00000	4
15	Carbon Disulfide	76	1.581	1.581	(0.362)	108525	5.00000	4
16	Iodomethane	142	1.651	1.651	(0.378)	28153	5.00000	4(M)
17	Acrolein	56	1.763	1.763	(0.404)	30036	25.0000	24
18	2-Propanol	45	1.886	1.886	(0.432)	7321	5.00000	7
19	3-Chloro-1-Propene	41	1.854	1.854	(0.424)	83528	5.00000	4
20	Methylene Chloride	84	1.923	1.923	(0.440)	67371	5.00000	8
21	Acetone	43	1.966	1.966	(0.450)	24798	5.00000	7
22	trans-1,2-Dichloroethene	96	2.036	2.036	(0.466)	35059	5.00000	4
23	Methyl Acetate	43	2.052	2.052	(0.470)	196054	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.121	2.121	(0.486)	119099	5.00000	5
	25 tert-Butyl alcohol	59	2.207	2.207	(0.505)	21403	25.0000	20
	26 Acetonitrile	41	2.287	2.287	(0.524)	54093	50.0000	47
	27 Isopropyl ether	45	2.432	2.432	(0.557)	183645	5.00000	4
	28 tert-Butyl ethyl ether	59	2.753	2.753	(0.630)	142468	5.00000	4
	29 2-Chloro-1,3-Butadiene	88	2.491	2.491	(0.570)	32509	5.00000	4
	30 Acrylonitrile	53	2.544	2.544	(0.582)	34852	10.0000	10
	31 1,1-Dichloroethane	63	2.507	2.507	(0.574)	78103	5.00000	4
	32 Vinyl Acetate	43	2.758	2.758	(0.631)	118163	5.00000	4
	33 cis-1,2-Dichloroethene	96	3.009	3.009	(0.689)	41735	5.00000	4
	34 2,2-Dichloropropane	77	3.116	3.116	(0.713)	59947	5.00000	4
	35 Bromochloromethane	128	3.202	3.202	(0.733)	22867	5.00000	4
	37 Cyclohexane	84	3.197	3.197	(0.732)	37098	5.00000	4
	38 Chloroform	83	3.304	3.304	(0.756)	78560	5.00000	5
	39 Ethyl Acetate	43	3.459	3.459	(0.792)	11119	10.0000	9
	40 Methyl Acrylate	55	3.475	3.475	(0.795)	38015	5.00000	4
$	41 Dibromofluoromethane	111	3.496	3.496	(0.800)	47996	5.00000	4
	42 Tetrahydrofuran	42	3.459	3.459	(0.792)	30571	10.0000	9
	43 Carbon Tetrachloride	117	3.427	3.427	(0.784)	59474	5.00000	4
	44 1,1,1-Trichloroethane	97	3.496	3.496	(0.800)	68137	5.00000	4
	45 2-Butanone	43	3.641	3.641	(0.833)	25932	5.00000	5
	46 1,1-Dichloropropene	75	3.635	3.635	(0.832)	49245	5.00000	4
	47 tert-Amyl methyl ether	73	4.074	4.074	(0.933)	109169	5.00000	5
	49 1-Chlorobutane	56	3.705	3.705	(0.848)	92292	5.00000	4
	50 Heptane	43	3.181	3.181	(0.728)	85973	5.00000	4
	51 Propionitrile	54	3.930	3.930	(0.900)	62884	50.0000	49
	52 Benzene	78	3.892	3.892	(0.891)	158562	5.00000	5
	53 2-Methyl-2-Propenenitrile	41	3.951	3.951	(0.904)	31518	5.00000	5
	54 Isobutyl alcohol	42	4.267	4.267	(0.977)	10956	50.0000	53
$	55 1,2-Dichloroethane-d4	65	4.042	4.042	(0.925)	59174	5.00000	5
	56 1,2-Dichloroethane	62	4.117	4.117	(0.942)	70154	5.00000	5
	59 Methyl Cyclohexane	83	4.534	4.534	(1.038)	36251	5.00000	4
	60 Trichloroethene	130	4.556	4.556	(1.043)	44596	5.00000	4
	63 Dibromomethane	93	5.016	5.016	(1.148)	27819	5.00000	5
	64 1,2-Dichloropropane	63	5.133	5.133	(1.175)	50553	5.00000	5(T)
	65 Bromodichloromethane	83	5.240	5.240	(1.200)	60575	5.00000	5
	174 Ethyl Acrylate	55	5.267	5.267	(1.206)	53900	5.00000	7(T)
	66 Methyl Methacrylate	69	5.502	5.502	(1.260)	26188	5.00000	4
	67 1,4-Dioxane	58	5.497	5.497	(1.258)	5973	50.0000	88
	69 2-Chloroethylvinylether	63	5.973	5.973	(1.367)	20557	5.00000	6
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.371)	67912	5.00000	4
	71 Chloroacetonitrile	48	6.487	6.487	(1.485)	13257	50.0000	50
	72 2-Nitropropane	41	6.540	6.540	(1.497)	21944	10.0000	9
	73 trans-1,3-Dichloropropene	75	6.808	6.808	(1.558)	63047	5.00000	4
	74 1,1,2-Trichloroethane	97	6.984	6.984	(1.599)	37059	5.00000	5
*	75 Chlorobenzene-d5	117	8.102	8.102	(1.000)	803414	25.0000	
	76 Toluene	91	6.267	6.267	(0.774)	171198	5.00000	4
$	77 Toluene-d8	98	6.209	6.209	(0.766)	156454	5.00000	4
	78 1,1-Dichloro-2-propanone	43	6.556	6.556	(0.809)	107581	25.0000	23
	79 4-Methyl-2-Pentanone	43	6.786	6.786	(0.838)	46953	5.00000	5
	80 Tetrachloroethene	164	6.711	6.711	(0.828)	31922	5.00000	4
	81 Ethyl Methacrylate	69	7.097	7.097	(0.876)	40673	5.00000	4
	82 Dibromochloromethane	129	7.177	7.177	(0.886)	47205	5.00000	4
	83 1,3-Dichloropropane	76	7.300	7.300	(0.901)	61029	5.00000	5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	84 1,2-Dibromoethane	107	7.418	7.418	(0.915)	41112	5.00000	5
	86 2-Hexanone	43	7.851	7.851	(0.969)	33193	5.00000	5
	87 1-Chlorohexane	91	8.199	8.199	(1.012)	55449	5.00000	5(M)
	88 Chlorobenzene	112	8.118	8.118	(1.002)	112374	5.00000	4
	89 1,1,1,2-Tetrachloroethane	131	8.231	8.231	(1.016)	44353	5.00000	4(T)
	90 Ethylbenzene	106	8.215	8.215	(1.014)	56031	5.00000	4
	91 Xylene (total)mp	106	8.418	8.418	(1.039)	135589	10.0000	8
	92 Xylene (total)o	106	8.953	8.953	(1.105)	65497	5.00000	4
	93 Styrene	104	9.033	9.033	(1.115)	107405	5.00000	4
	94 Bromoform	173	9.006	9.006	(1.112)	32142	5.00000	4
*	95 1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	456890	25.0000	
	96 Isopropylbenzene	105	9.376	9.376	(0.874)	134246	5.00000	4
	97 Bromobenzene	156	9.729	9.729	(0.907)	52572	5.00000	4
	98 1,1,2,2-Tetrachloroethane	83	9.927	9.927	(0.926)	46140	5.00000	5
	99 4-Ethyltoluene	105	9.959	9.959	(0.929)	137446	5.00000	4
	100 1,2,3-Trichloropropane	110	10.018	10.018	(0.934)	13033	5.00000	5
	101 trans-1,4-Dichloro-2-Butene	53	10.087	10.087	(0.941)	32118	10.0000	9
	102 n-Propylbenzene	91	9.836	9.836	(0.917)	165233	5.00000	4
	103 2-Chlorotoluene	91	9.948	9.948	(0.928)	136844	5.00000	4
	104 4-Chlorotoluene	91	10.119	10.119	(0.944)	130594	5.00000	4
	105 1,3,5-Trimethylbenzene	105	10.055	10.055	(0.938)	125044	5.00000	4
	106 tert-Butylbenzene	119	10.339	10.339	(0.964)	95912	5.00000	4
	107 1,2,4-Trimethylbenzene	105	10.413	10.413	(0.971)	133919	5.00000	4
	108 sec-Butylbenzene	105	10.504	10.504	(0.980)	133163	5.00000	4
	109 4-Isopropyltoluene	119	10.654	10.654	(0.994)	109288	5.00000	4
	110 1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	96981	5.00000	5
	111 1,4-Dichlorobenzene	146	10.734	10.734	(1.001)	95769	5.00000	5
	112 1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	97452	5.00000	5
	113 Benzyl Chloride	126	10.964	10.964	(1.022)	18765	5.00000	5
	114 1,4-Diethylbenzene	119	10.964	10.964	(1.022)	58056	5.00000	4
	115 n-Butylbenzene	91	11.007	11.007	(1.026)	107219	5.00000	4
	118 1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	114220	5.00000	4
	119 1,2-Dibromo-3-chloropropane	75	11.713	11.713	(1.092)	11021	5.00000	4
	120 Nitrobenzene	77	12.120	12.120	(1.130)	32549	50.0000	53
	121 1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	57462	5.00000	5
	122 Hexachlorobutadiene	225	12.222	12.222	(1.140)	41370	5.00000	7
	123 Naphthalene	128	12.446	12.446	(1.161)	140585	5.00000	5
	124 1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	56510	5.00000	6
$	125 Bromofluorobenzene	95	9.648	9.648	(0.900)	61032	5.00000	5
M	126 1,2-Dichloroethene (total)	100				76794	10.0000	9
M	127 Xylene (total)	100				201086	15.0000	13

QC Flag Legend

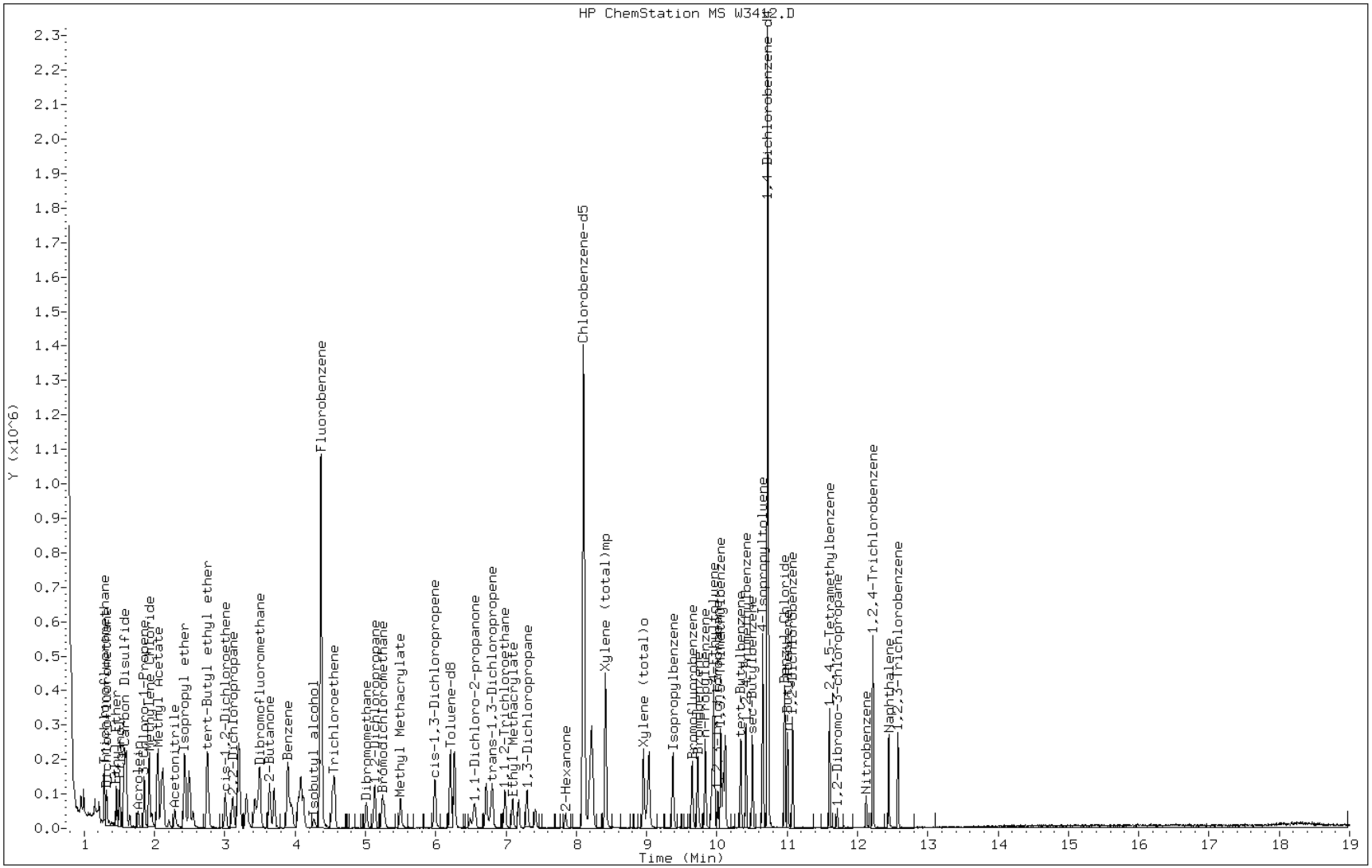
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: W3412.D

Date: 19-JUL-2011 16:56

Client ID: IC;5 Instrument: msw.i

Sample Info: IC;5 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 16 Iodomethane
CAS #: 74-88-4
Report Date: 07/20/2011

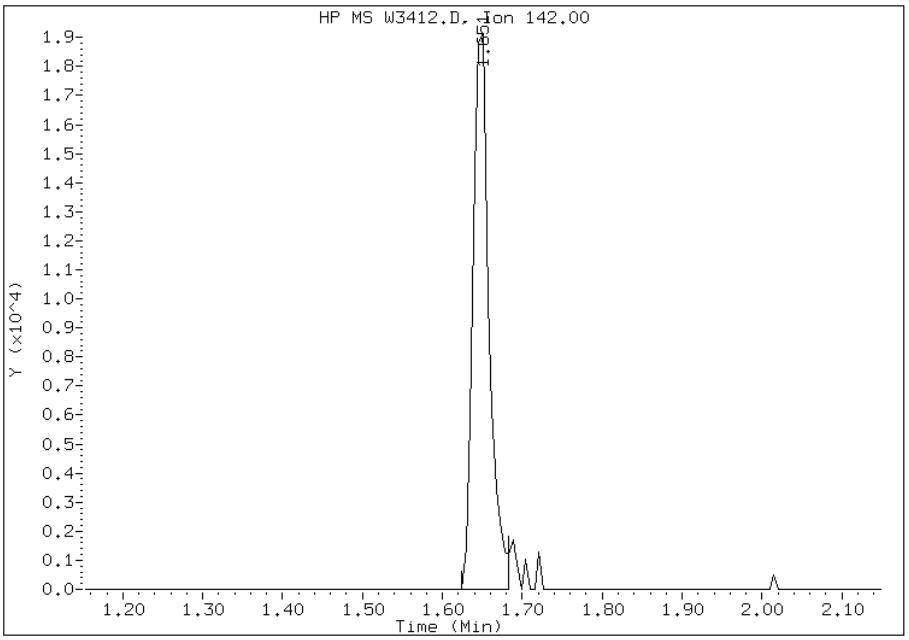
Processing Integration Results

RT: 1.65

Response: 26994

Amount: 4

Conc: 4



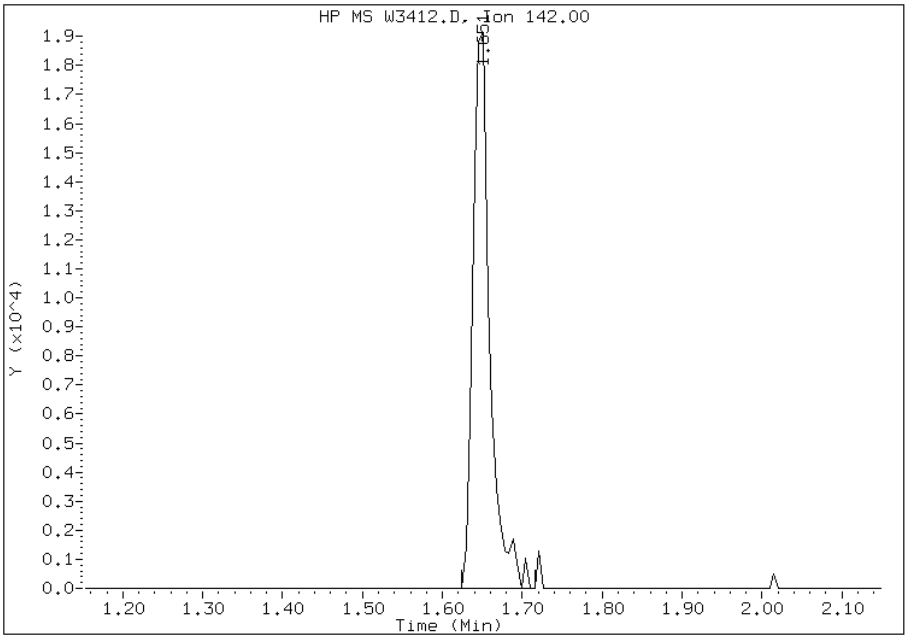
Manual Integration Results

RT: 1.65

Response: 28153

Amount: 5

Conc: 5



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 6 Chloroethane
CAS #: 75-00-3
Report Date: 07/20/2011

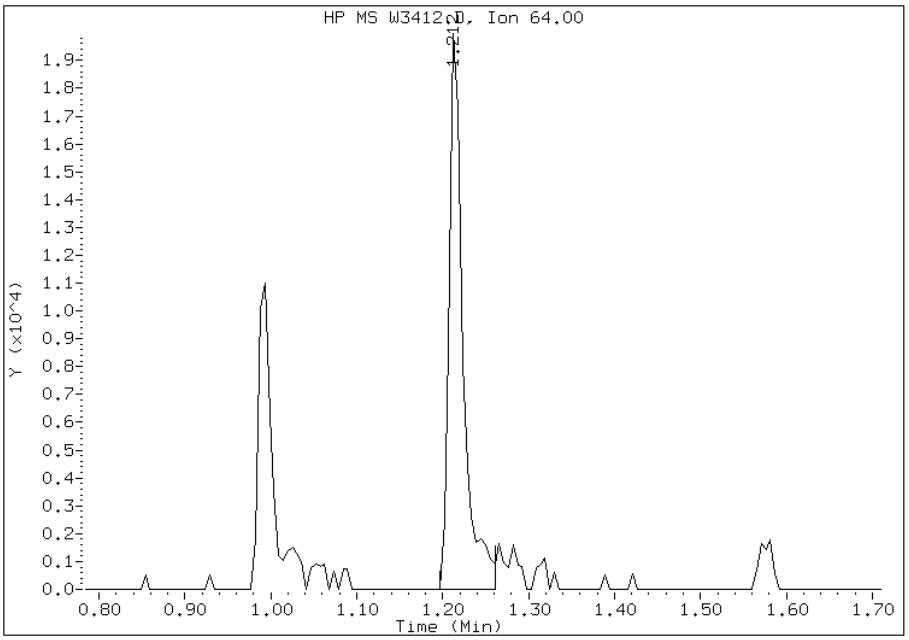
Processing Integration Results

RT: 1.21

Response: 22699

Amount: 4

Conc: 4



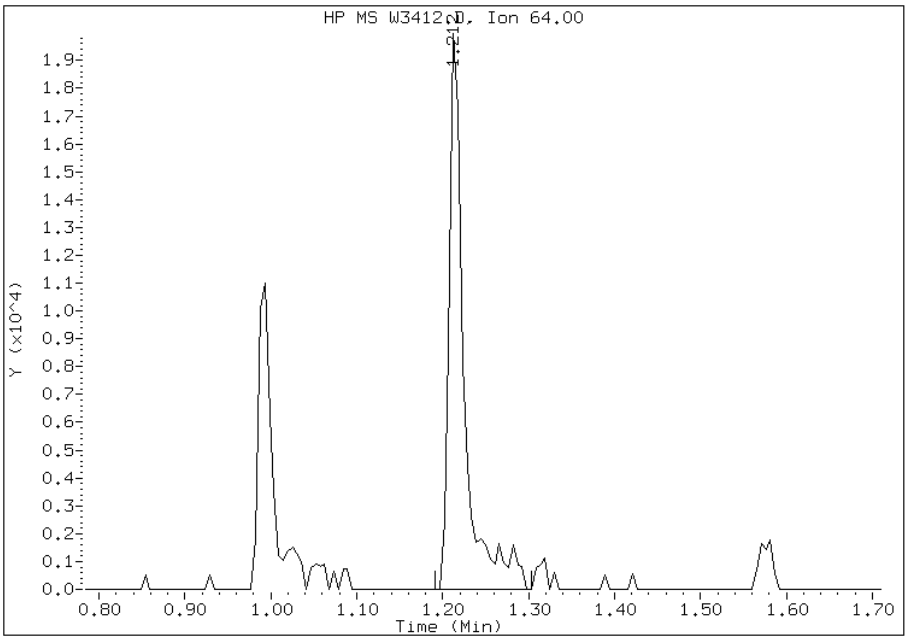
Manual Integration Results

RT: 1.21

Response: 24849

Amount: 5

Conc: 5



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 4 Vinyl Chloride
CAS #: 75-01-4
Report Date: 07/20/2011

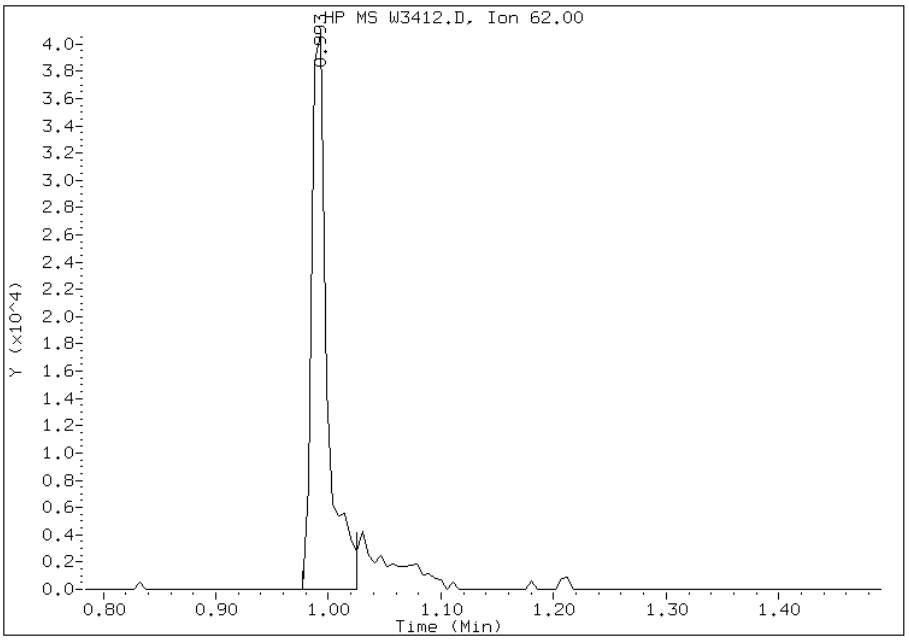
Processing Integration Results

RT: 0.99

Response: 40214

Amount: 4

Conc: 4



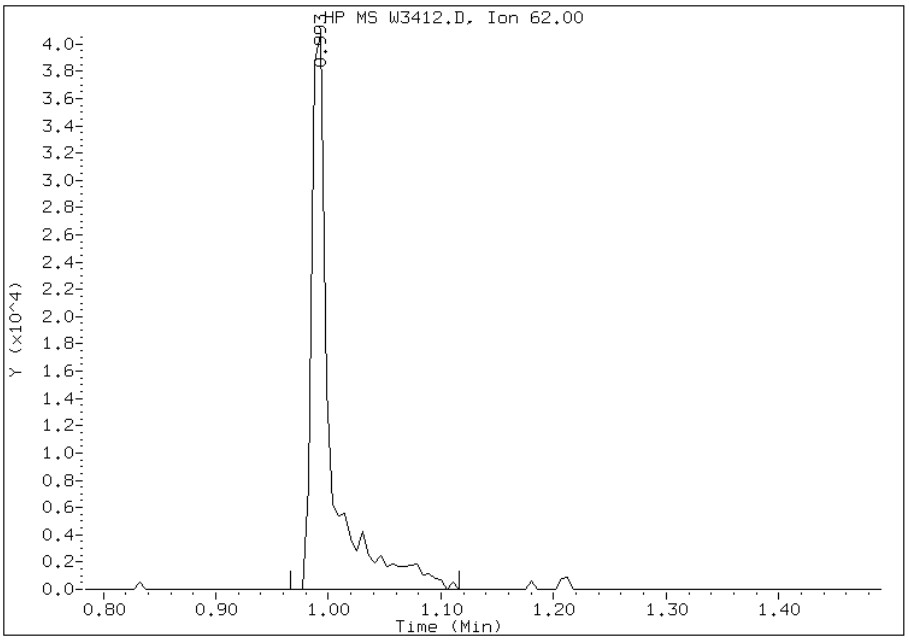
Manual Integration Results

RT: 0.99

Response: 48540

Amount: 4

Conc: 4



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

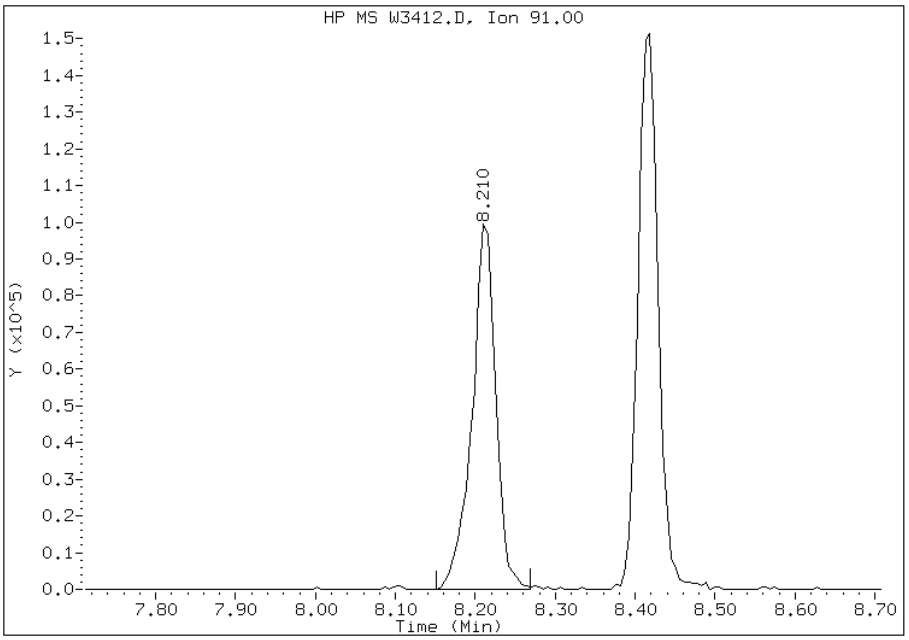
Processing Integration Results

RT: 8.21

Response: 205185

Amount: 12

Conc: 12



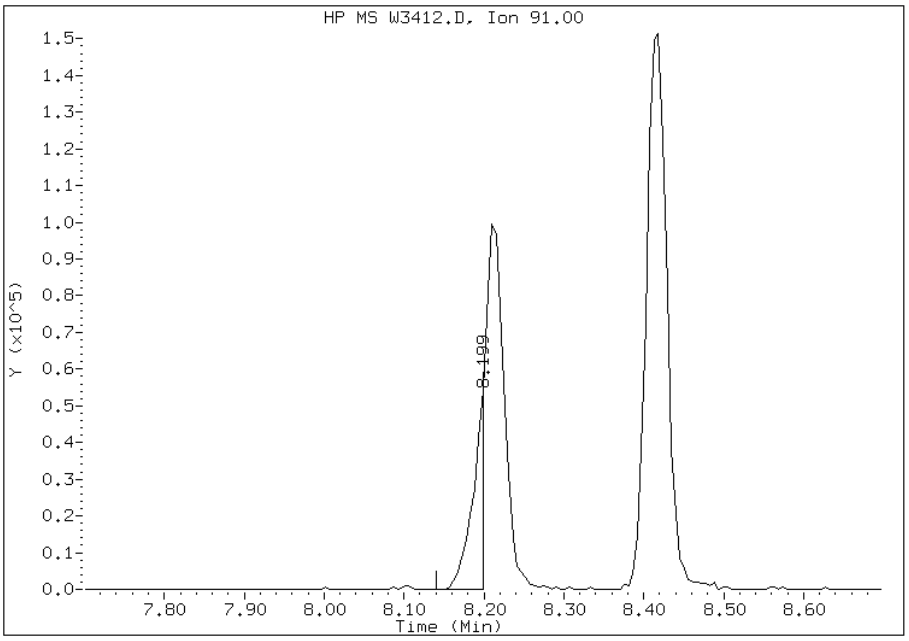
Manual Integration Results

RT: 8.20

Response: 55449

Amount: 5

Conc: 5



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/20/2011

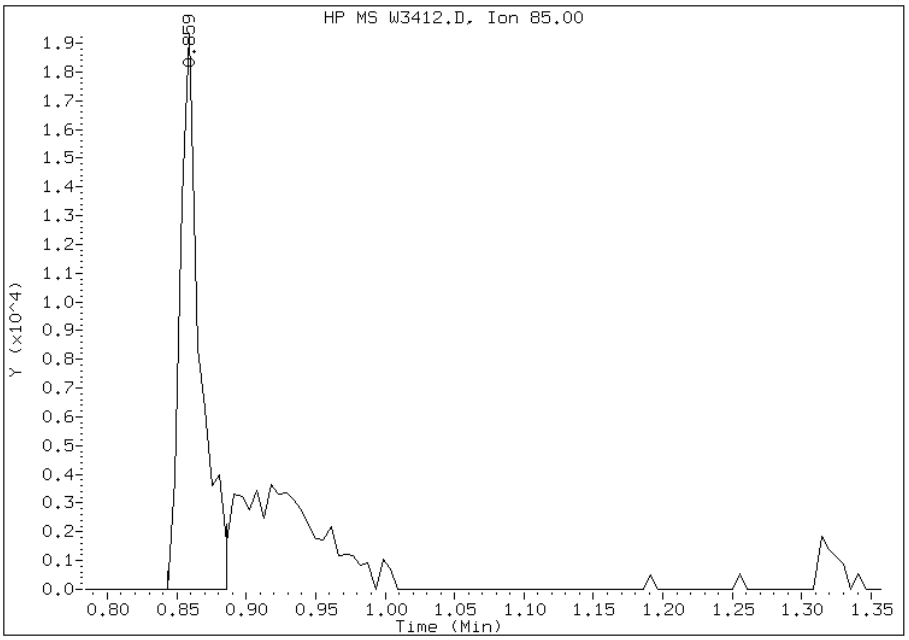
Processing Integration Results

RT: 0.86

Response: 19440

Amount: 2

Conc: 2



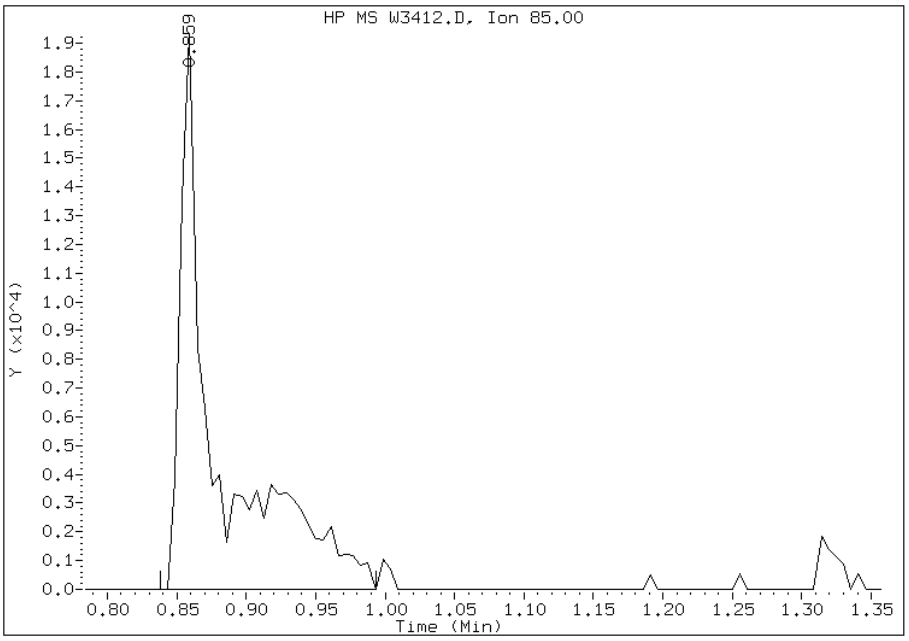
Manual Integration Results

RT: 0.86

Response: 33761

Amount: 7

Conc: 7



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3412.D
Inj. Date and Time: 19-JUL-2011 16:56
Instrument ID: msw.i
Client ID: IC;5
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/20/2011

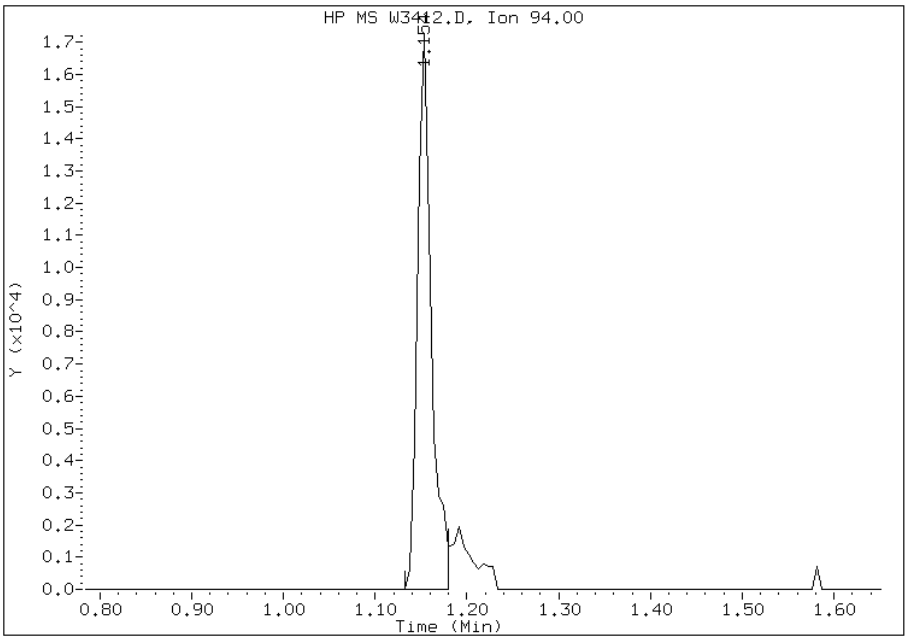
Processing Integration Results

RT: 1.15

Response: 18678

Amount: 4

Conc: 4



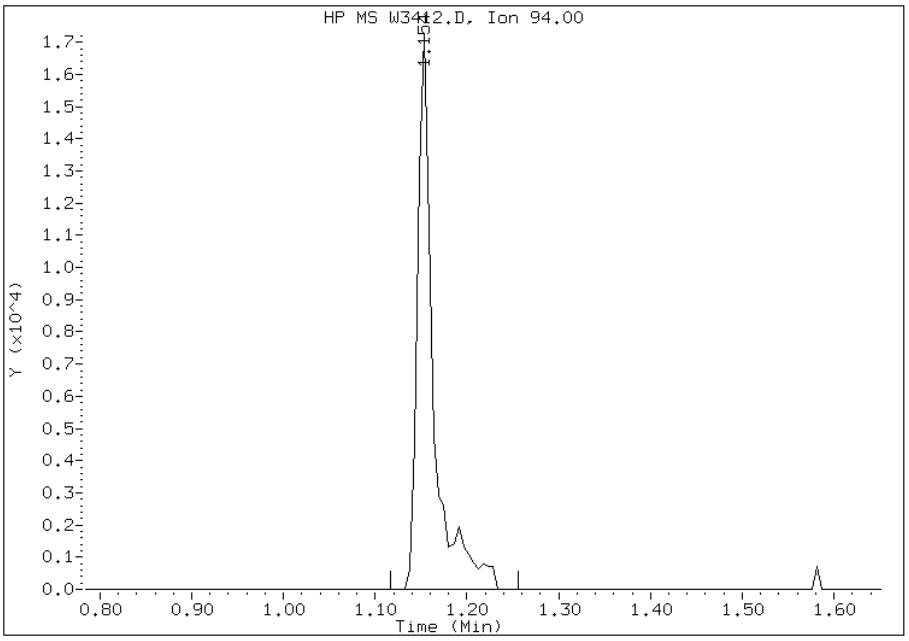
Manual Integration Results

RT: 1.15

Response: 21710

Amount: 5

Conc: 5



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3413.D
Lab Smp Id: IC;2 Client Smp ID: IC;2
Inj Date : 19-JUL-2011 17:22 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : IC;2
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : 19-JUL-2011 16:56 Cal File: W3412.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
*	1 Fluorobenzene	96	4.368	4.368	(1.000)	991459	25.0000		
	2 Dichlorodifluoromethane	85	0.859	0.859	(0.197)	14850	2.00000		4(MH)
	3 Chloromethane	50	0.950	0.950	(0.218)	27469	2.00000		2(M)
	4 Vinyl Chloride	62	0.993	0.993	(0.227)	19242	2.00000		2
	5 Bromomethane	94	1.153	1.153	(0.264)	9860	2.00000		2(M)
	6 Chloroethane	64	1.217	1.217	(0.279)	9750	2.00000		2
	7 Trichlorofluoromethane	101	1.287	1.287	(0.295)	37321	2.00000		2
	8 Dichlorofluoromethane	67	1.319	1.319	(0.302)	28092	2.00000		2(T)
	9 Ethyl Ether	45	1.458	1.458	(0.334)	16165	2.00000		2
	10 Ethanol	45	1.501	1.501	(0.344)	9115	20.0000		37(M)
	12 Freon 123	67	1.597	1.597	(0.366)	3540	2.00000		2
	13 Trichlorotrifluoroethane	101	1.592	1.592	(0.364)	17039	2.00000		2
	14 1,1-Dichloroethene	96	1.565	1.565	(0.358)	13762	2.00000		2
	15 Carbon Disulfide	76	1.576	1.576	(0.361)	52334	2.00000		2
	16 Iodomethane	142	1.645	1.645	(0.377)	12345	2.00000		3
	17 Acrolein	56	1.768	1.768	(0.405)	10714	10.0000		9
	18 2-Propanol	45	1.891	1.891	(0.433)	2621	2.00000		2(M)
	19 3-Chloro-1-Propene	41	1.854	1.854	(0.424)	36378	2.00000		2
	20 Methylene Chloride	84	1.929	1.929	(0.442)	43303	2.00000		4
	21 Acetone	43	1.961	1.961	(0.449)	12404	2.00000		3
	22 trans-1,2-Dichloroethene	96	2.036	2.036	(0.466)	16537	2.00000		2
	23 Methyl Acetate	43	2.052	2.052	(0.470)	82026	2.00000		2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.127	2.127	(0.487)	49225	2.00000	2
	25 tert-Butyl alcohol	59	2.057	2.057	(0.471)	7834	10.0000	4
	26 Acetonitrile	41	2.298	2.298	(0.526)	22690	20.0000	20
	27 Isopropyl ether	45	2.432	2.432	(0.557)	75725	2.00000	2
	28 tert-Butyl ethyl ether	59	2.753	2.753	(0.630)	63577	2.00000	2
	29 2-Chloro-1,3-Butadiene	88	2.485	2.485	(0.569)	15781	2.00000	2
	30 Acrylonitrile	53	2.555	2.555	(0.585)	13970	4.00000	4
	31 1,1-Dichloroethane	63	2.507	2.507	(0.574)	35418	2.00000	2
	32 Vinyl Acetate	43	2.758	2.758	(0.631)	49607	2.00000	2
	33 cis-1,2-Dichloroethene	96	3.010	3.010	(0.689)	18060	2.00000	2
	34 2,2-Dichloropropane	77	3.117	3.117	(0.713)	28151	2.00000	2
	35 Bromochloromethane	128	3.213	3.213	(0.736)	8969	2.00000	2
	37 Cyclohexane	84	3.202	3.202	(0.733)	16690	2.00000	2
	38 Chloroform	83	3.309	3.309	(0.758)	34522	2.00000	2
	39 Ethyl Acetate	43	3.464	3.464	(0.793)	5920	4.00000	5(M)
	40 Methyl Acrylate	55	3.475	3.475	(0.795)	15123	2.00000	2(M)
$	41 Dibromofluoromethane	111	3.491	3.491	(0.799)	21640	2.00000	2
	42 Tetrahydrofuran	42	3.454	3.454	(0.791)	13595	4.00000	4
	43 Carbon Tetrachloride	117	3.427	3.427	(0.784)	27938	2.00000	2
	44 1,1,1-Trichloroethane	97	3.496	3.496	(0.800)	30681	2.00000	2
	45 2-Butanone	43	3.641	3.641	(0.833)	10341	2.00000	2(M)
	46 1,1-Dichloropropene	75	3.630	3.630	(0.831)	22538	2.00000	2
	47 tert-Amyl methyl ether	73	4.074	4.074	(0.933)	42565	2.00000	2
	49 1-Chlorobutane	56	3.700	3.700	(0.847)	40367	2.00000	2
	50 Heptane	43	3.186	3.186	(0.729)	40649	2.00000	2(M)
	51 Propionitrile	54	3.930	3.930	(0.900)	25207	20.0000	20
	52 Benzene	78	3.898	3.898	(0.892)	66631	2.00000	2
	53 2-Methyl-2-Propenenitrile	41	3.951	3.951	(0.904)	10794	2.00000	2
	54 Isobutyl alcohol	42	4.267	4.267	(0.977)	4183	20.0000	19
$	55 1,2-Dichloroethane-d4	65	4.047	4.047	(0.927)	25030	2.00000	2
	56 1,2-Dichloroethane	62	4.122	4.122	(0.944)	29391	2.00000	2
	59 Methyl Cyclohexane	83	4.540	4.540	(1.039)	17558	2.00000	2
	60 Trichloroethene	130	4.561	4.561	(1.044)	18965	2.00000	2
	63 Dibromomethane	93	5.005	5.005	(1.146)	12285	2.00000	2(M)
	64 1,2-Dichloropropane	63	5.133	5.133	(1.175)	21381	2.00000	2(T)
	65 Bromodichloromethane	83	5.246	5.246	(1.201)	25730	2.00000	2
	174 Ethyl Acrylate	55	5.267	5.267	(1.206)	21448	2.00000	3(T)
	66 Methyl Methacrylate	69	5.508	5.508	(1.261)	9563	2.00000	2
	67 1,4-Dioxane	58	5.497	5.497	(1.258)	1941	20.0000	24(M)
	69 2-Chloroethylvinylether	63	5.979	5.979	(1.369)	7690	2.00000	3
	70 cis-1,3-Dichloropropene	75	5.995	5.995	(1.372)	27439	2.00000	2
	71 Chloroacetonitrile	48	6.487	6.487	(1.485)	2817	20.0000	16
	72 2-Nitropropane	41	6.540	6.540	(1.497)	9143	4.00000	4(T)
	73 trans-1,3-Dichloropropene	75	6.808	6.808	(1.558)	23527	2.00000	2
	74 1,1,2-Trichloroethane	97	6.979	6.979	(1.598)	15441	2.00000	2
*	75 Chlorobenzene-d5	117	8.097	8.097	(1.000)	780581	25.0000	
	76 Toluene	91	6.268	6.268	(0.774)	72917	2.00000	2
$	77 Toluene-d8	98	6.209	6.209	(0.767)	70556	2.00000	2
	78 1,1-Dichloro-2-propanone	43	6.551	6.551	(0.809)	41535	10.0000	9
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	19084	2.00000	2
	80 Tetrachloroethene	164	6.717	6.717	(0.830)	13351	2.00000	2
	81 Ethyl Methacrylate	69	7.102	7.102	(0.877)	17285	2.00000	2
	82 Dibromochloromethane	129	7.188	7.188	(0.888)	19643	2.00000	2
	83 1,3-Dichloropropane	76	7.300	7.300	(0.902)	25415	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	7.423	7.423	(0.917)	14444	2.00000	2
86	2-Hexanone	43	7.846	7.846	(0.969)	12781	2.00000	2(T)
87	1-Chlorohexane	91	8.193	8.193	(1.012)	14647	2.00000	0.3(M)
88	Chlorobenzene	112	8.119	8.119	(1.003)	47333	2.00000	2
89	1,1,1,2-Tetrachloroethane	131	8.236	8.236	(1.017)	19701	2.00000	2(T)
90	Ethylbenzene	106	8.220	8.220	(1.015)	25534	2.00000	2
91	Xylene (total)mp	106	8.418	8.418	(1.040)	52489	4.00000	4
92	Xylene (total)o	106	8.964	8.964	(1.107)	25973	2.00000	2
93	Styrene	104	9.033	9.033	(1.116)	42940	2.00000	2
94	Bromoform	173	9.001	9.001	(1.112)	12878	2.00000	2
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	420721	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	58003	2.00000	2
97	Bromobenzene	156	9.723	9.723	(0.907)	21761	2.00000	2
98	1,1,2,2-Tetrachloroethane	83	9.927	9.927	(0.926)	18168	2.00000	2
99	4-Ethyltoluene	105	9.964	9.964	(0.929)	61500	2.00000	2
100	1,2,3-Trichloropropane	110	10.012	10.012	(0.934)	4875	2.00000	2
101	trans-1,4-Dichloro-2-Butene	53	10.093	10.093	(0.941)	11480	4.00000	4
102	n-Propylbenzene	91	9.836	9.836	(0.917)	70773	2.00000	2
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	59843	2.00000	2
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	52533	2.00000	2
105	1,3,5-Trimethylbenzene	105	10.060	10.060	(0.938)	49867	2.00000	2
106	tert-Butylbenzene	119	10.339	10.339	(0.964)	41828	2.00000	2
107	1,2,4-Trimethylbenzene	105	10.414	10.414	(0.971)	52641	2.00000	2
108	sec-Butylbenzene	105	10.504	10.504	(0.980)	57979	2.00000	2
109	4-Isopropyltoluene	119	10.654	10.654	(0.994)	47578	2.00000	2
110	1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	35981	2.00000	2
111	1,4-Dichlorobenzene	146	10.735	10.735	(1.001)	39966	2.00000	2
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	38165	2.00000	2
113	Benzyl Chloride	126	10.965	10.965	(1.022)	7390	2.00000	2
114	1,4-Diethylbenzene	119	10.965	10.965	(1.022)	24052	2.00000	2
115	n-Butylbenzene	91	11.007	11.007	(1.026)	47068	2.00000	2
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	45275	2.00000	2
119	1,2-Dibromo-3-chloropropane	75	11.708	11.708	(1.092)	4748	2.00000	2
120	Nitrobenzene	77	12.125	12.125	(1.131)	11140	20.0000	19
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	22617	2.00000	2
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	16775	2.00000	3
123	Naphthalene	128	12.446	12.446	(1.161)	53391	2.00000	2
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	20368	2.00000	2
$ 125	Bromofluorobenzene	95	9.649	9.649	(0.900)	26122	2.00000	2
M 126	1,2-Dichloroethene (total)	100				34597	4.00000	4
M 127	Xylene (total)	100				78462	6.00000	5

QC Flag Legend

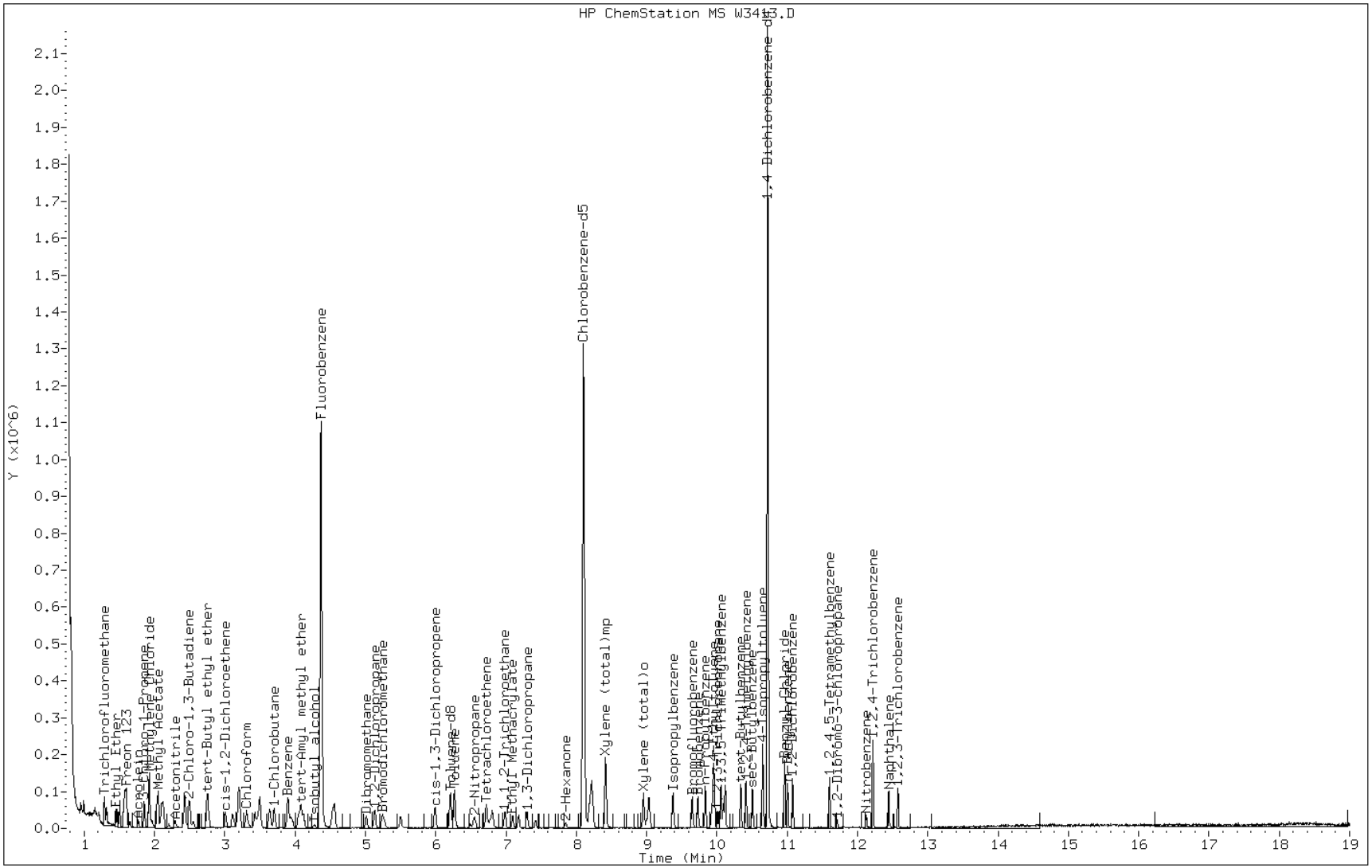
T - Target compound detected outside RT window.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: W3413.D

Date: 19-JUL-2011 17:22

Client ID: IC;2 Instrument: msw.i

Sample Info: IC;2 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

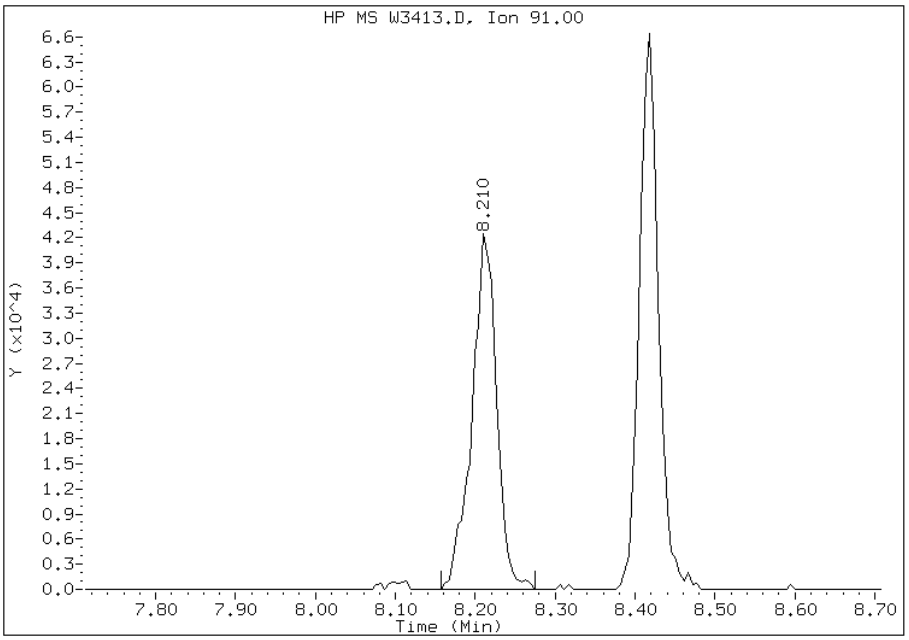
Processing Integration Results

RT: 8.21

Response: 90872

Amount: 5

Conc: 5



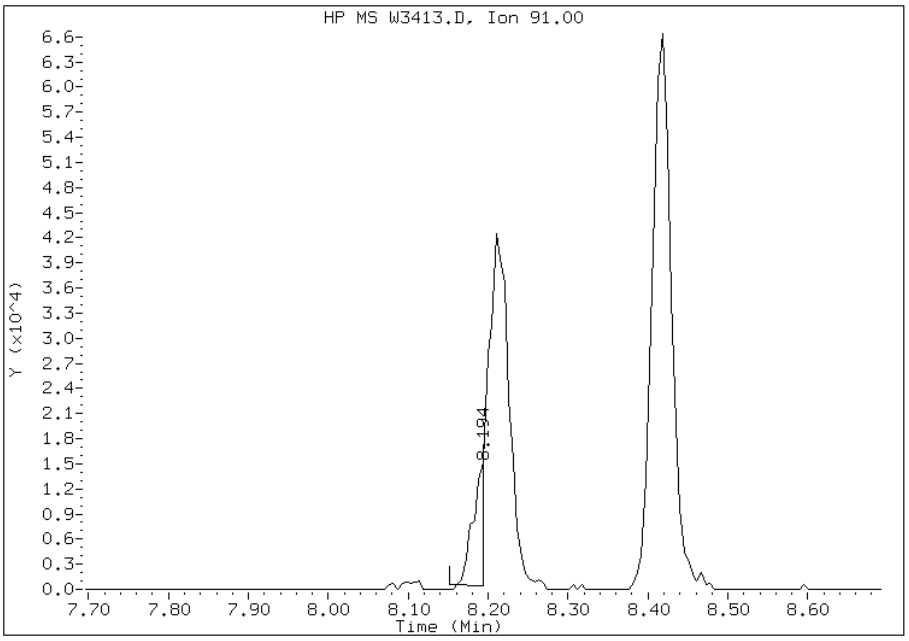
Manual Integration Results

RT: 8.19

Response: 14647

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 3 Chloromethane
CAS #: 74-87-3
Report Date: 07/20/2011

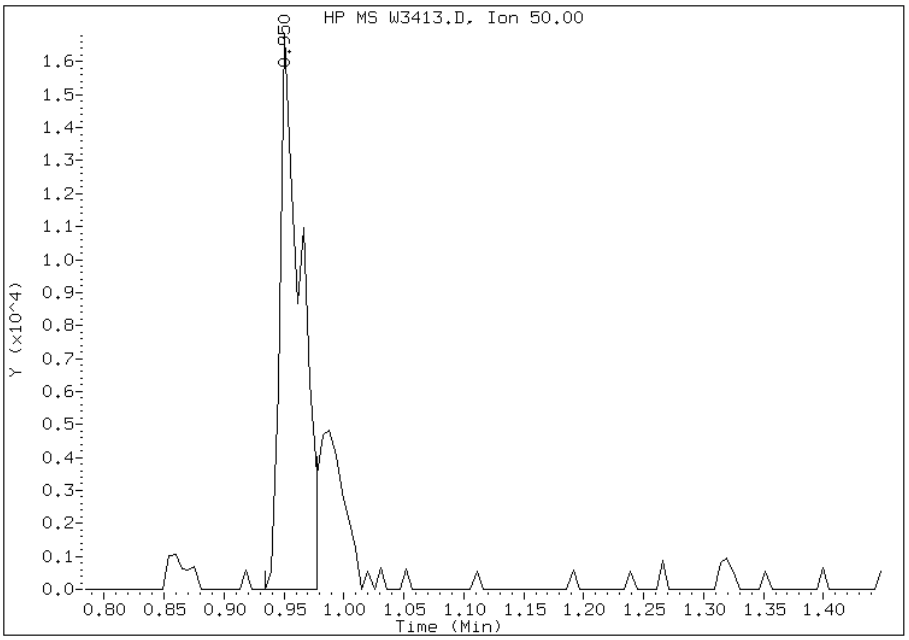
Processing Integration Results

RT: 0.95

Response: 21082

Amount: 2

Conc: 2



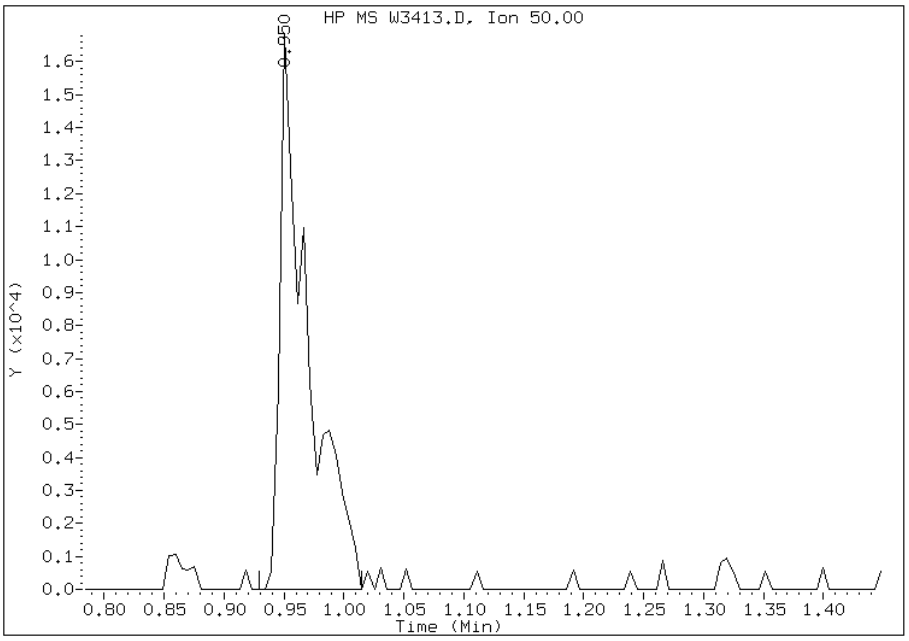
Manual Integration Results

RT: 0.95

Response: 27469

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/20/2011

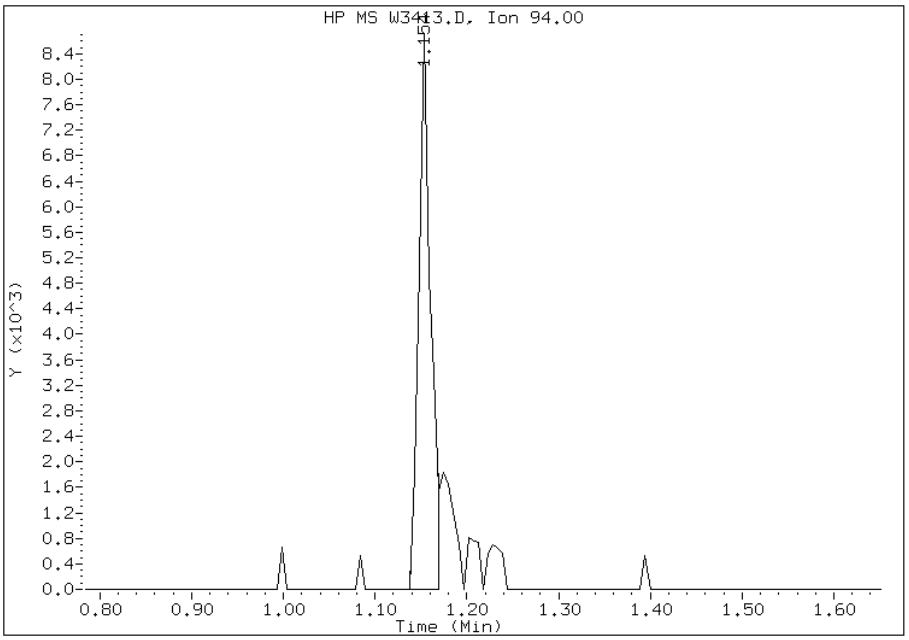
Processing Integration Results

RT: 1.15

Response: 8159

Amount: 2

Conc: 2



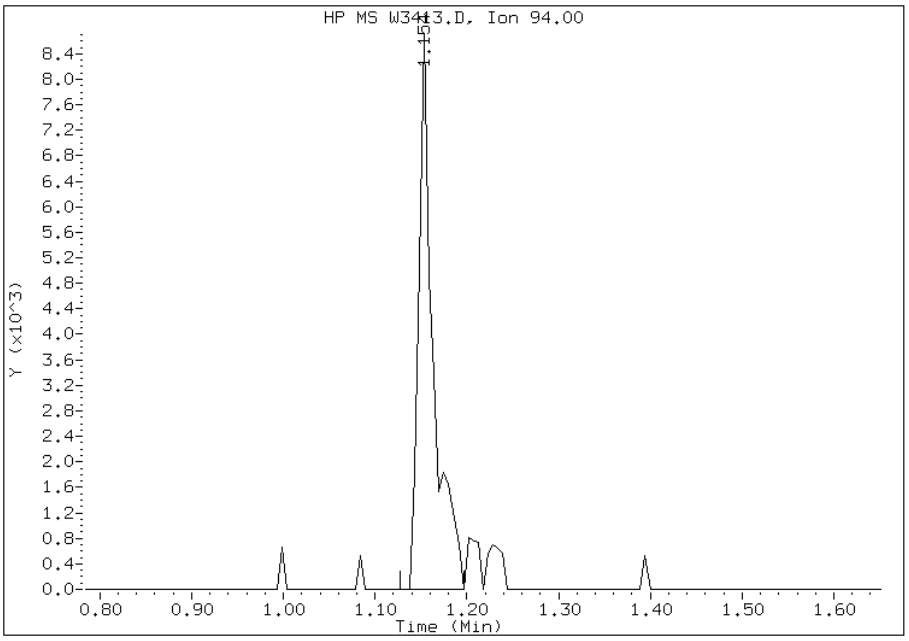
Manual Integration Results

RT: 1.15

Response: 9860

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/20/2011

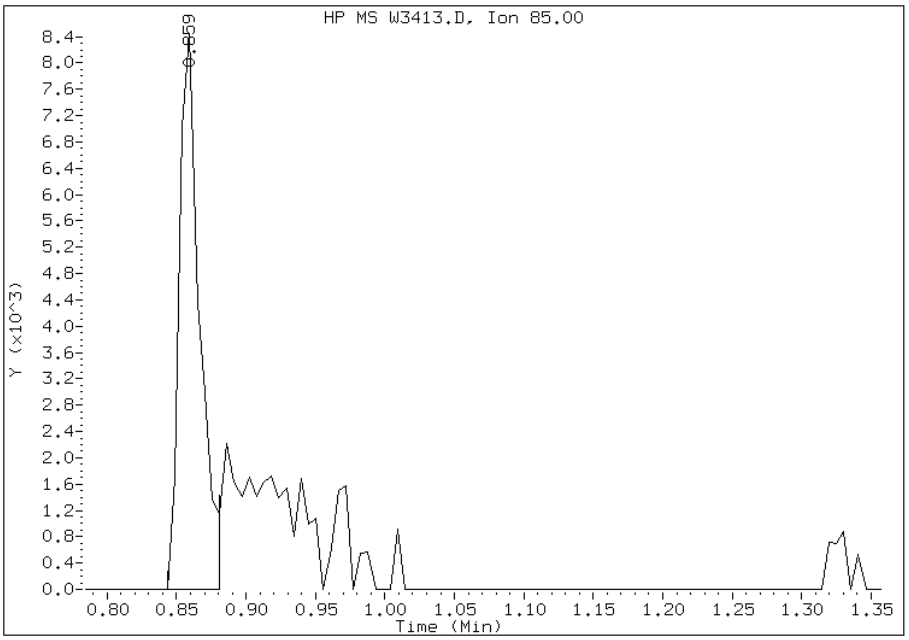
Processing Integration Results

RT: 0.86

Response: 8680

Amount: 1

Conc: 1



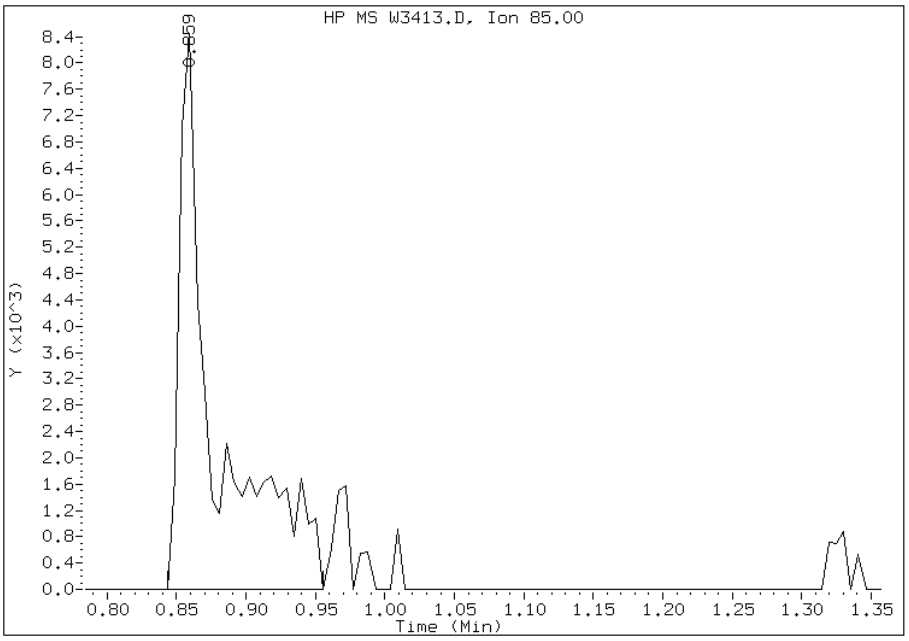
Manual Integration Results

RT: 0.86

Response: 14850

Amount: 4

Conc: 4



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 40 Methyl Acrylate
CAS #: 96-33-3
Report Date: 07/20/2011

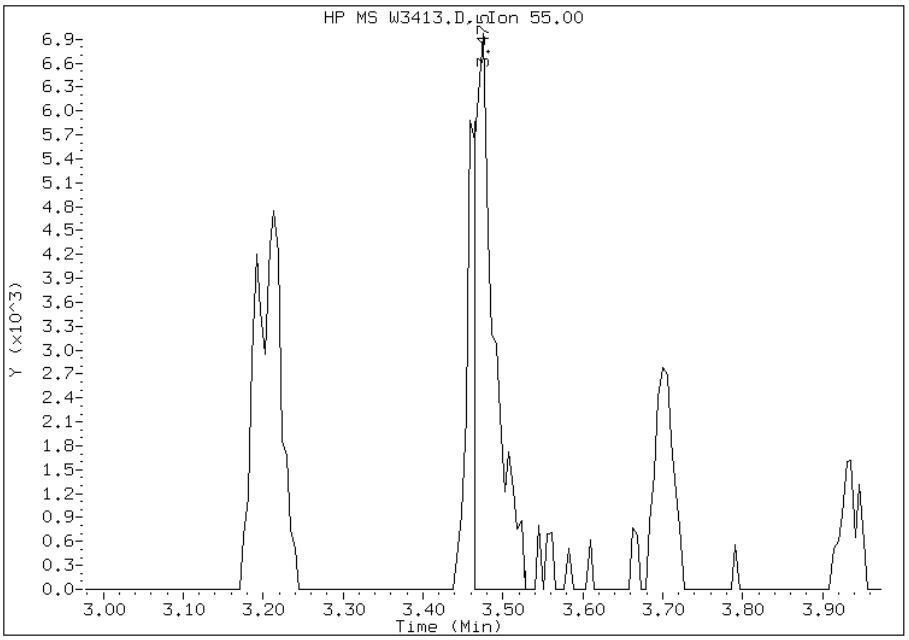
Processing Integration Results

RT: 3.48

Response: 12064

Amount: 1

Conc: 1



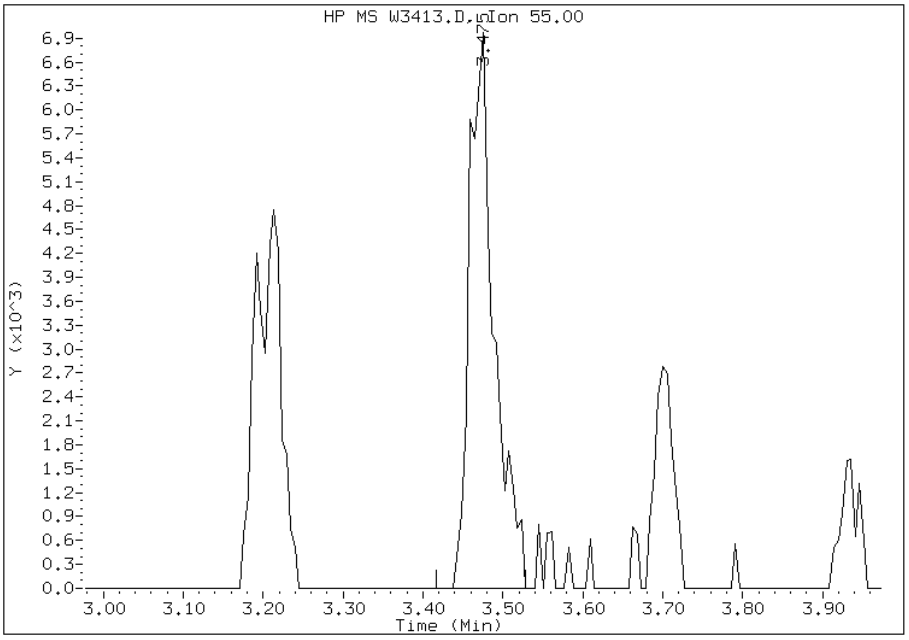
Manual Integration Results

RT: 3.48

Response: 15123

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

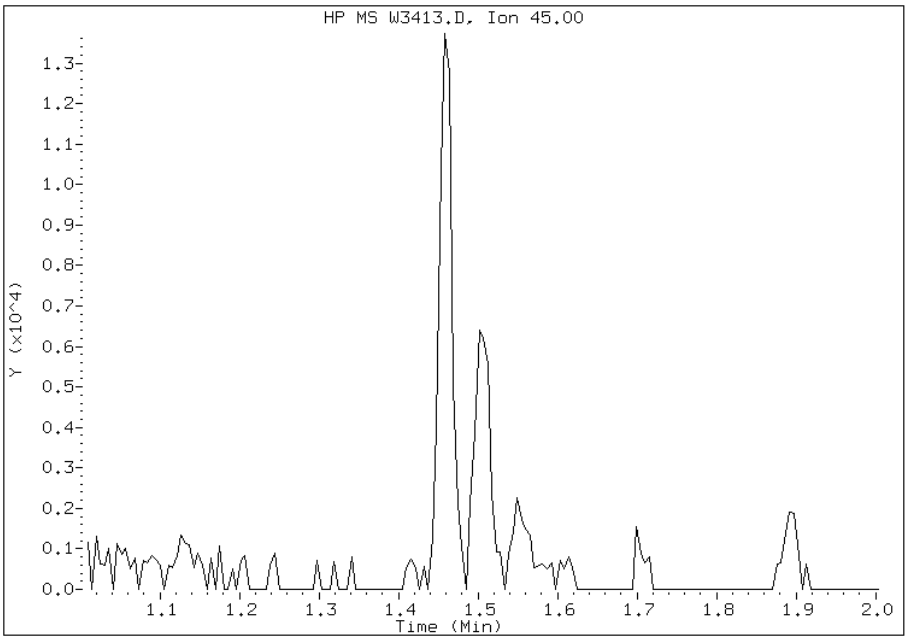
Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 1.51



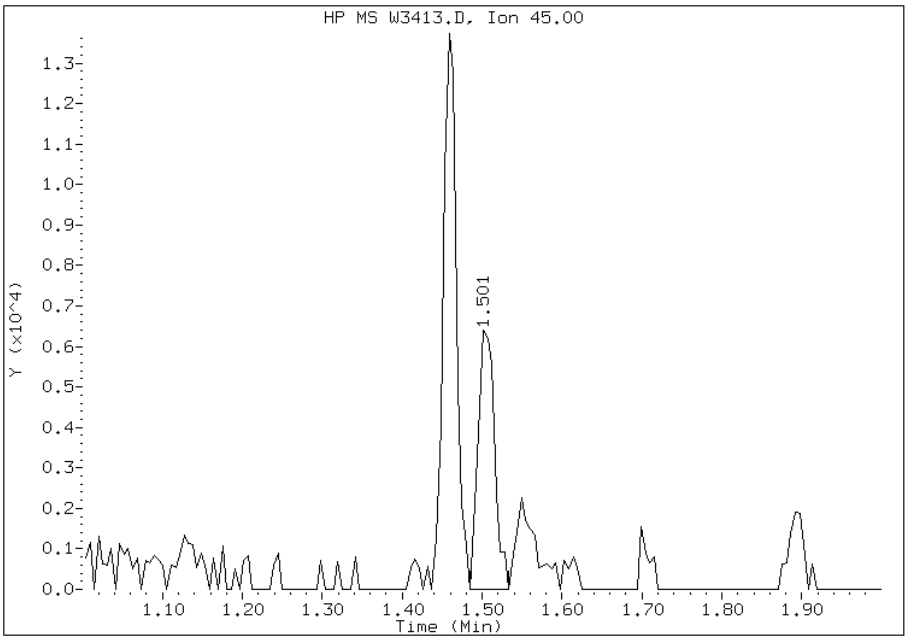
Manual Integration Results

RT: 1.50

Response: 9115

Amount: 37

Conc: 37



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/20/2011

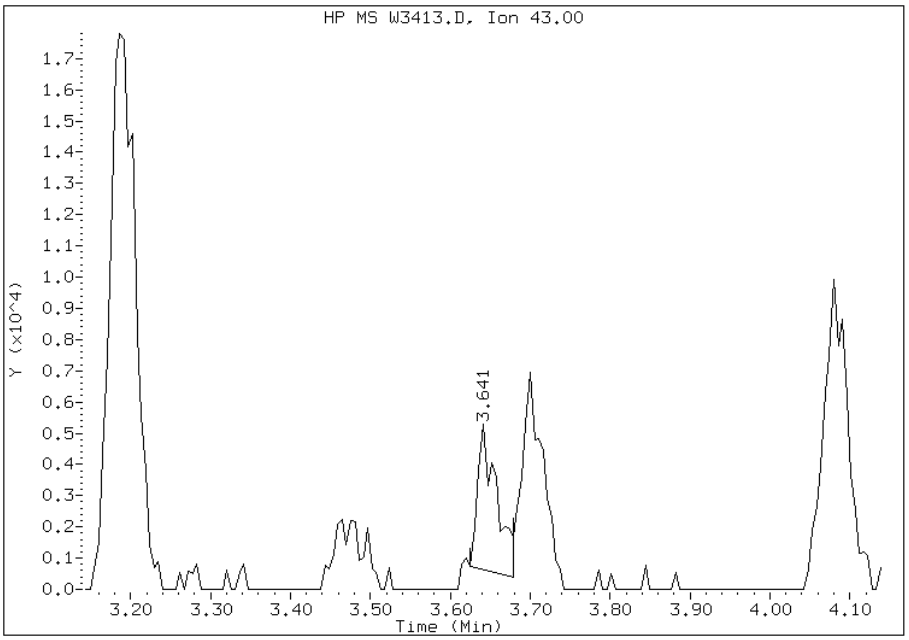
Processing Integration Results

RT: 3.64

Response: 7740

Amount: 2

Conc: 2



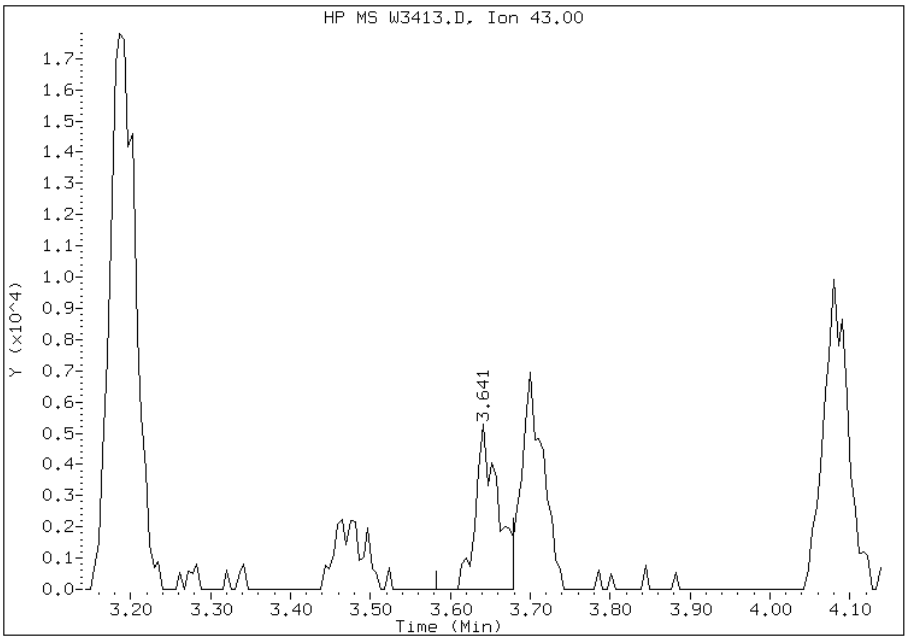
Manual Integration Results

RT: 3.64

Response: 10341

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/20/2011

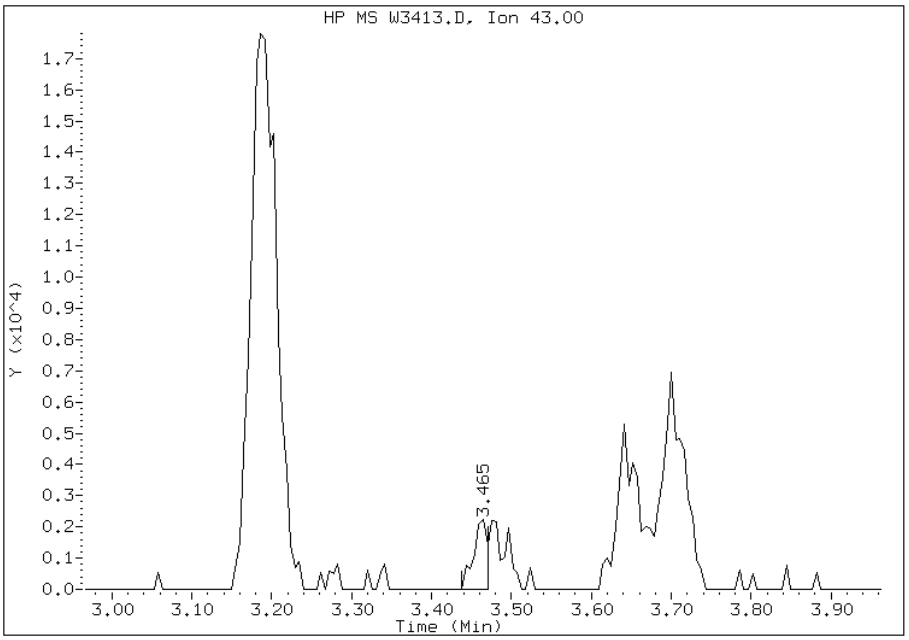
Processing Integration Results

RT: 3.46

Response: 2665

Amount: 2

Conc: 2



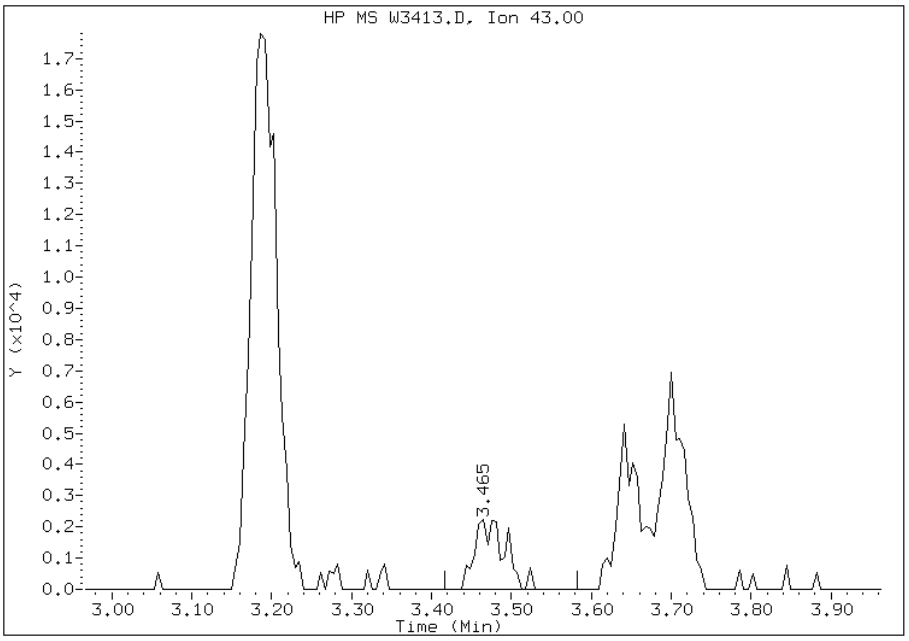
Manual Integration Results

RT: 3.46

Response: 5920

Amount: 5

Conc: 5



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/20/2011

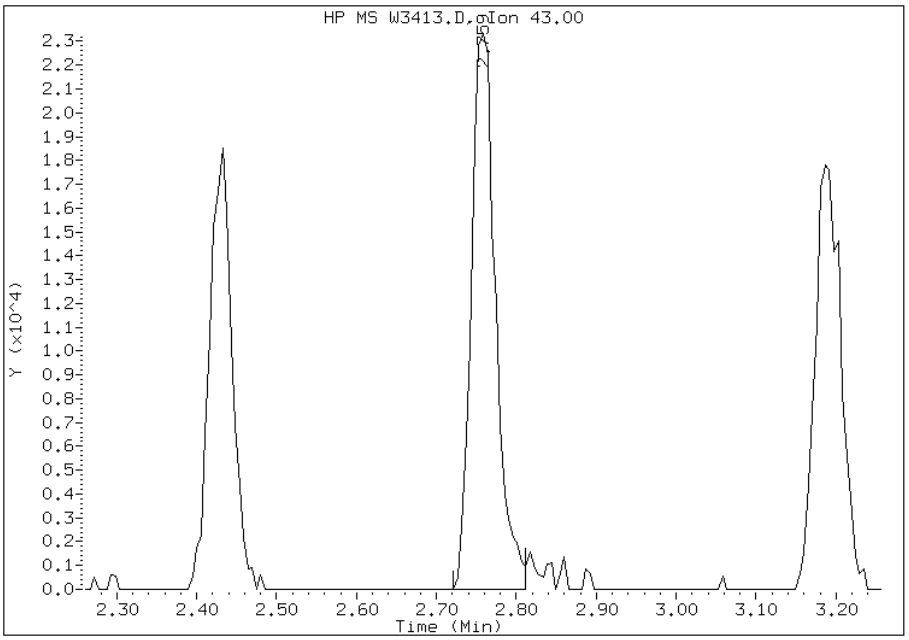
Processing Integration Results

RT: 2.76

Response: 49607

Amount: 2

Conc: 2



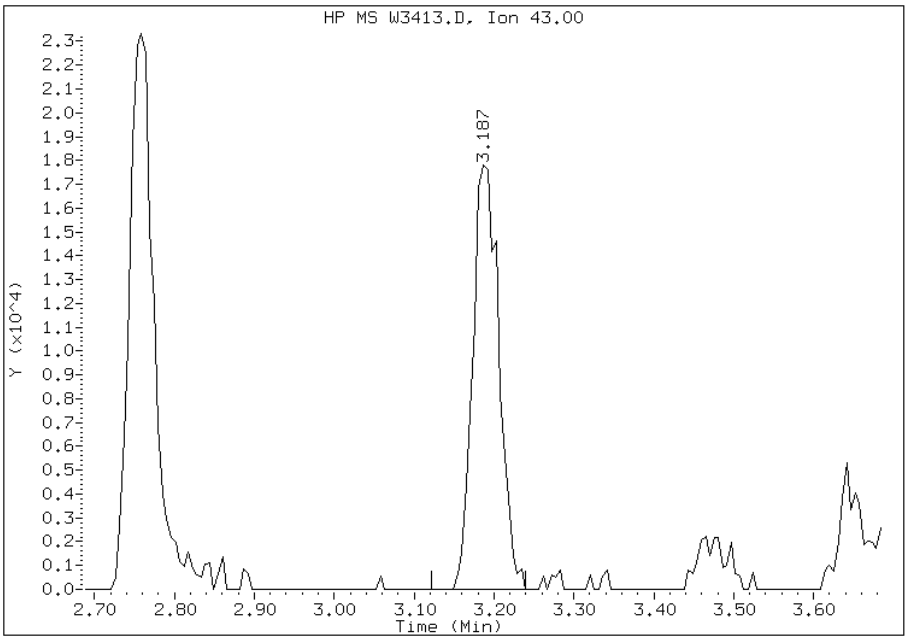
Manual Integration Results

RT: 3.19

Response: 40649

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/20/2011

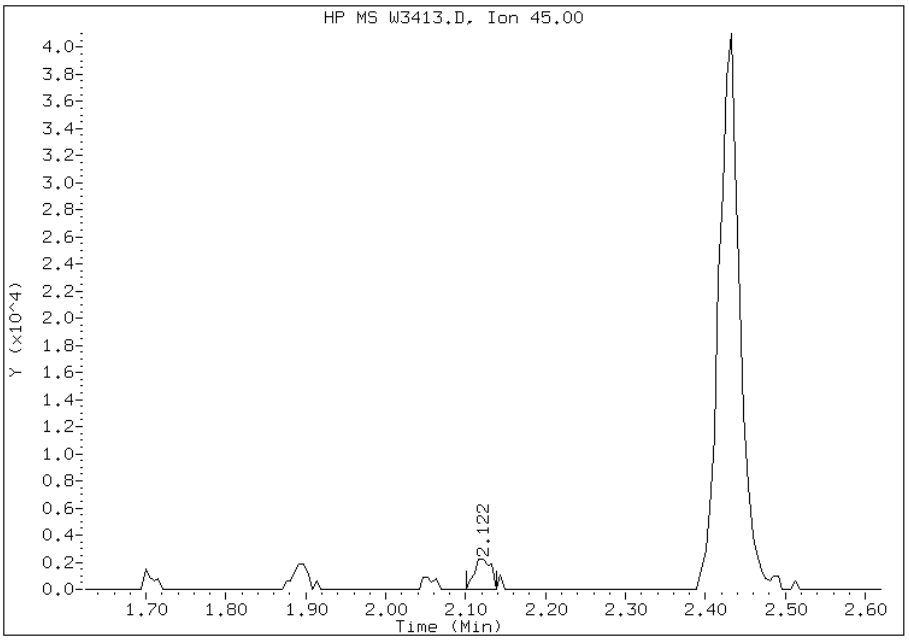
Processing Integration Results

RT: 2.12

Response: 3186

Amount: 3

Conc: 3



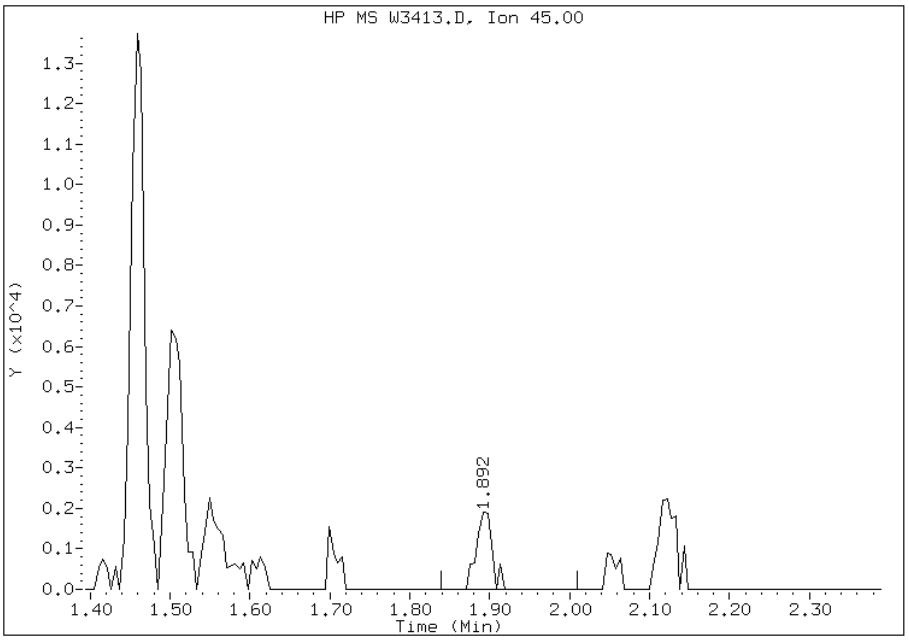
Manual Integration Results

RT: 1.89

Response: 2621

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 63 Dibromomethane
CAS #: 74-95-3
Report Date: 07/20/2011

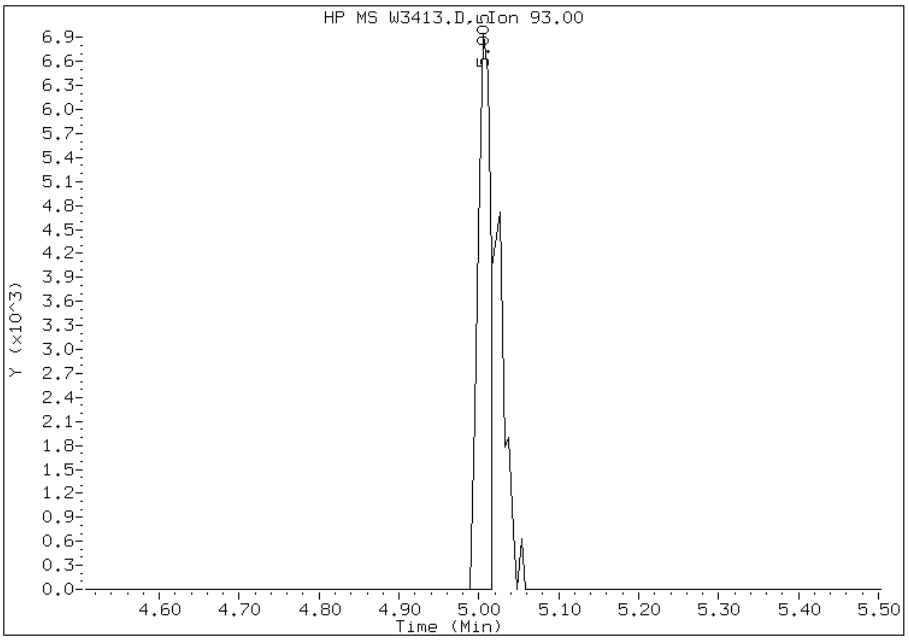
Processing Integration Results

RT: 5.01

Response: 7727

Amount: 1

Conc: 1



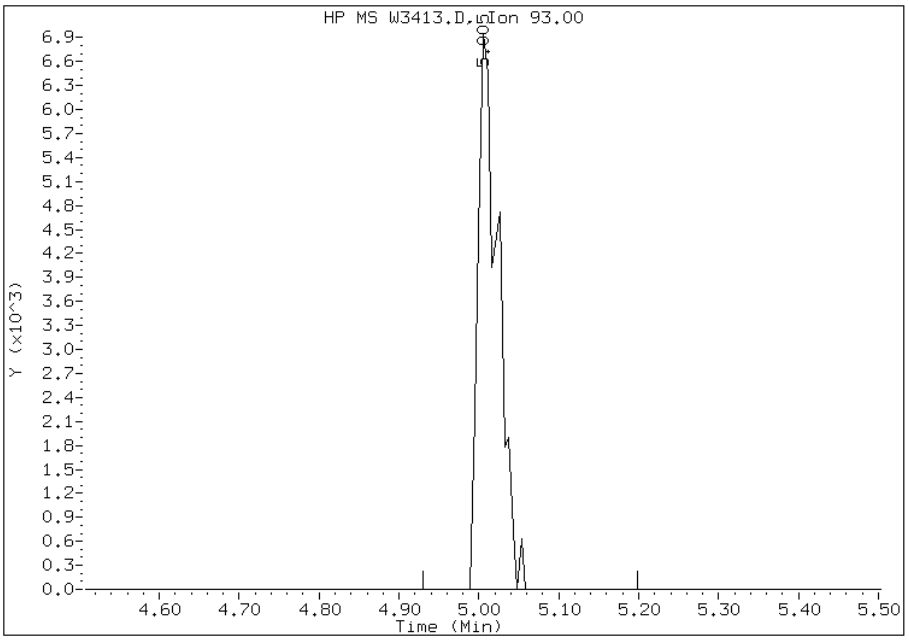
Manual Integration Results

RT: 5.01

Response: 12285

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

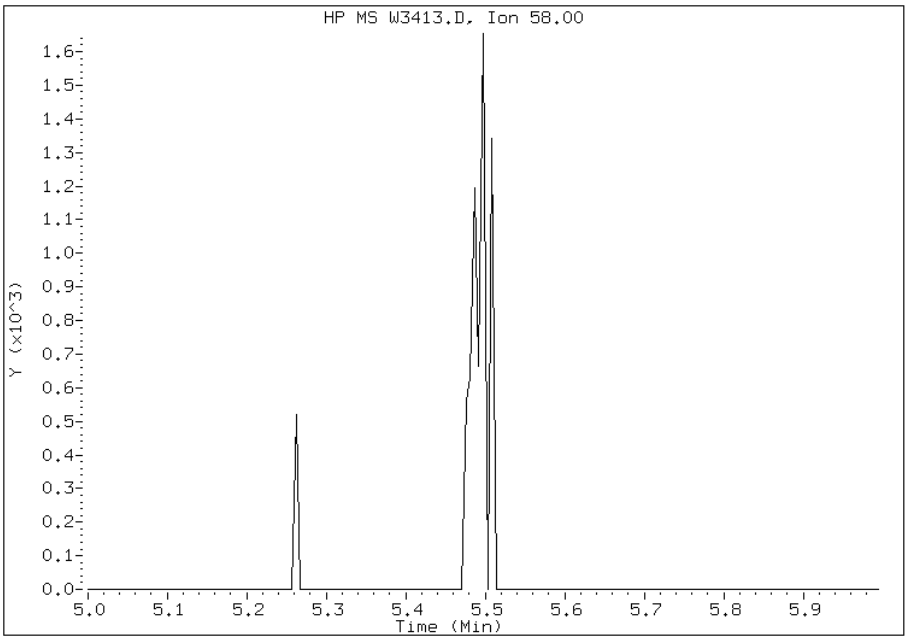
Manual Integration Report

Data File: W3413.D
Inj. Date and Time: 19-JUL-2011 17:22
Instrument ID: msw.i
Client ID: IC;2
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 5.50



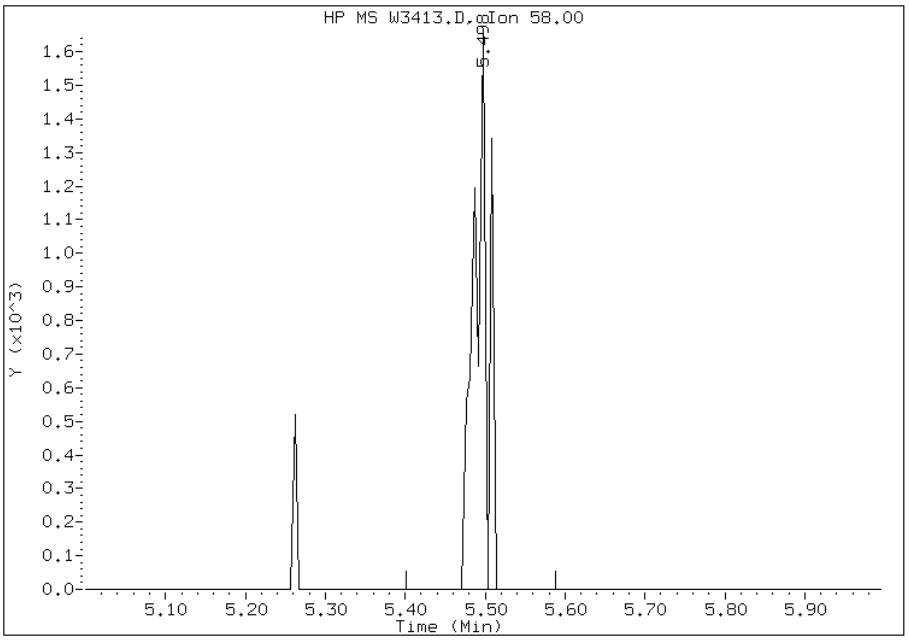
Manual Integration Results

RT: 5.50

Response: 1941

Amount: 24

Conc: 24



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W3414.D
Lab Smp Id: IC;0.5 Client Smp ID: IC;0.5
Inj Date : 19-JUL-2011 17:47 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : IC;0.5
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\W8260LOW.m
Meth Date : 20-Jul-2011 08:50 msw.i Quant Type: ISTD
Cal Date : 19-JUL-2011 17:22 Cal File: W3413.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.368	4.368	(1.000)	945448	25.0000	
2	Dichlorodifluoromethane	85	0.859	0.859	(0.197)	2272	0.50000	2(M)
3	Chloromethane	50	0.950	0.950	(0.218)	5676	0.50000	0.4
4	Vinyl Chloride	62	0.993	0.993	(0.227)	4311	0.50000	0.4
5	Bromomethane	94	1.158	1.158	(0.265)	2559	0.50000	0.6
6	Chloroethane	64	1.217	1.217	(0.279)	2602	0.50000	0.5(M)
7	Trichlorofluoromethane	101	1.287	1.287	(0.295)	8313	0.50000	0.4
8	Dichlorofluoromethane	67	1.319	1.319	(0.302)	6790	0.50000	0.4(T)
9	Ethyl Ether	45	1.463	1.463	(0.335)	3964	0.50000	0.5
10	Ethanol	45	1.506	1.506	(0.345)	3038	5.00000	18(M)
12	Freon 123	67	1.603	1.603	(0.367)	638	0.50000	0.9(M)
13	Trichlorotrifluoroethane	101	1.597	1.597	(0.366)	4948	0.50000	0.6(M)
14	1,1-Dichloroethene	96	1.560	1.560	(0.357)	3974	0.50000	0.6
15	Carbon Disulfide	76	1.576	1.576	(0.361)	14362	0.50000	0.6(M)
16	Iodomethane	142	1.651	1.651	(0.378)	2747	0.50000	2
17	Acrolein	56	1.774	1.774	(0.406)	2812	2.50000	2
18	2-Propanol	45	1.891	1.891	(0.433)	587	0.50000	0.6(TM)
19	3-Chloro-1-Propene	41	1.854	1.854	(0.424)	9937	0.50000	0.6
20	Methylene Chloride	84	1.923	1.923	(0.440)	31919	0.50000	3
21	Acetone	43	1.961	1.961	(0.449)	5448	0.50000	1(M)
22	trans-1,2-Dichloroethene	96	2.036	2.036	(0.466)	3478	0.50000	0.4
23	Methyl Acetate	43	2.052	2.052	(0.470)	21136	0.50000	0.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.127	2.127	(0.487)	11738	0.50000	0.5
	25 tert-Butyl alcohol	59	2.207	2.207	(0.505)	3266	2.50000	-0.08(M)
	26 Acetonitrile	41	2.287	2.287	(0.524)	7304	5.00000	7(M)
	27 Isopropyl ether	45	2.432	2.432	(0.557)	20879	0.50000	0.6(M)
	28 tert-Butyl ethyl ether	59	2.747	2.747	(0.629)	16358	0.50000	0.5
	29 2-Chloro-1,3-Butadiene	88	2.480	2.480	(0.568)	3708	0.50000	0.5
	30 Acrylonitrile	53	2.555	2.555	(0.585)	2470	1.00000	0.7
	31 1,1-Dichloroethane	63	2.501	2.501	(0.573)	8610	0.50000	0.5(M)
	32 Vinyl Acetate	43	2.758	2.758	(0.631)	13067	0.50000	0.5(M)
	33 cis-1,2-Dichloroethene	96	3.015	3.015	(0.690)	3725	0.50000	0.4(M)
	34 2,2-Dichloropropane	77	3.122	3.122	(0.715)	6196	0.50000	0.5
	35 Bromochloromethane	128	3.202	3.202	(0.733)	2111	0.50000	0.4
	37 Cyclohexane	84	3.202	3.202	(0.733)	3173	0.50000	0.4(M)
	38 Chloroform	83	3.309	3.309	(0.758)	11835	0.50000	0.7
	39 Ethyl Acetate	43	3.491	3.491	(0.799)	1050	1.00000	0.9(M)
	40 Methyl Acrylate	55	3.486	3.486	(0.798)	3058	0.50000	0.4(M)
$	41 Dibromofluoromethane	111	3.496	3.496	(0.800)	6466	0.50000	0.6(M)
	42 Tetrahydrofuran	42	3.464	3.464	(0.793)	3158	1.00000	1.0(M)
	43 Carbon Tetrachloride	117	3.421	3.421	(0.783)	5458	0.50000	0.4(M)
	44 1,1,1-Trichloroethane	97	3.496	3.496	(0.800)	7118	0.50000	0.5
	45 2-Butanone	43	3.641	3.641	(0.833)	1890	0.50000	0.4(M)
	46 1,1-Dichloropropene	75	3.630	3.630	(0.831)	5577	0.50000	0.5(TM)
	47 tert-Amyl methyl ether	73	4.079	4.079	(0.934)	10597	0.50000	0.5(M)
	49 1-Chlorobutane	56	3.700	3.700	(0.847)	10376	0.50000	0.5
	50 Heptane	43	3.191	3.191	(0.731)	9237	0.50000	0.5(M)
	51 Propionitrile	54	3.935	3.935	(0.901)	5171	5.00000	4(M)
	52 Benzene	78	3.892	3.892	(0.891)	17452	0.50000	0.5
	53 2-Methyl-2-Propenenitrile	41	3.967	3.967	(0.908)	2759	0.50000	0.5(M)
$	55 1,2-Dichloroethane-d4	65	4.053	4.053	(0.928)	7900	0.50000	0.7(M)
	56 1,2-Dichloroethane	62	4.122	4.122	(0.944)	6647	0.50000	0.5(M)
	59 Methyl Cyclohexane	83	4.529	4.529	(1.037)	4319	0.50000	0.5(M)
	60 Trichloroethene	130	4.556	4.556	(1.043)	4419	0.50000	0.5(M)
	63 Dibromomethane	93	5.010	5.010	(1.147)	2889	0.50000	0.5
	64 1,2-Dichloropropane	63	5.128	5.128	(1.174)	5297	0.50000	0.5(M)
	65 Bromodichloromethane	83	5.246	5.246	(1.201)	4891	0.50000	0.4
	174 Ethyl Acrylate	55	5.267	5.267	(1.206)	4120	0.50000	2(T)
	66 Methyl Methacrylate	69	5.513	5.513	(1.262)	2438	0.50000	0.4(TM)
	69 2-Chloroethylvinylether	63	5.973	5.973	(1.367)	1009	0.50000	1(M)
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.371)	7111	0.50000	0.5
	71 Chloroacetonitrile	48	6.519	6.519	(1.492)	1066	5.00000	12(M)
	72 2-Nitropropane	41	6.540	6.540	(1.497)	1712	1.00000	0.8(T)
	73 trans-1,3-Dichloropropene	75	6.808	6.808	(1.558)	5826	0.50000	0.4(M)
	74 1,1,2-Trichloroethane	97	6.995	6.995	(1.601)	3413	0.50000	0.5(M)
*	75 Chlorobenzene-d5	117	8.102	8.102	(1.000)	760842	25.0000	
	76 Toluene	91	6.267	6.267	(0.774)	19180	0.50000	0.5
$	77 Toluene-d8	98	6.209	6.209	(0.766)	20088	0.50000	0.6
	78 1,1-Dichloro-2-propanone	43	6.567	6.567	(0.811)	11547	2.50000	3(TM)
	79 4-Methyl-2-Pentanone	43	6.792	6.792	(0.838)	5223	0.50000	0.6(M)
	80 Tetrachloroethene	164	6.717	6.717	(0.829)	3396	0.50000	0.5
	81 Ethyl Methacrylate	69	7.091	7.091	(0.875)	3772	0.50000	0.4
	82 Dibromochloromethane	129	7.182	7.182	(0.886)	5552	0.50000	0.6(M)
	83 1,3-Dichloropropane	76	7.295	7.295	(0.900)	6288	0.50000	0.5
	84 1,2-Dibromoethane	107	7.428	7.428	(0.917)	3704	0.50000	0.5
	86 2-Hexanone	43	7.846	7.846	(0.968)	2771	0.50000	0.4(T)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
87	1-Chlorohexane	91	8.183	8.183	(1.010)	1728	0.50000	-0.6(M)
88	Chlorobenzene	112	8.118	8.118	(1.002)	12675	0.50000	0.6
89	1,1,1,2-Tetrachloroethane	131	8.220	8.220	(1.015)	4418	0.50000	0.5(TM)
90	Ethylbenzene	106	8.215	8.215	(1.014)	5812	0.50000	0.5
91	Xylene (total)mp	106	8.418	8.418	(1.039)	14422	1.00000	1
92	Xylene (total)o	106	8.953	8.953	(1.105)	7022	0.50000	0.5
93	Styrene	104	9.033	9.033	(1.115)	11743	0.50000	0.5
94	Bromoform	173	9.001	9.001	(1.111)	3346	0.50000	0.5
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	417887	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	15263	0.50000	0.5
97	Bromobenzene	156	9.729	9.729	(0.907)	6193	0.50000	0.6
98	1,1,2,2-Tetrachloroethane	83	9.927	9.927	(0.926)	5634	0.50000	0.6
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	14043	0.50000	0.5
100	1,2,3-Trichloropropane	110	10.023	10.023	(0.935)	1055	0.50000	0.4
101	trans-1,4-Dichloro-2-Butene	53	10.092	10.092	(0.941)	3109	1.00000	1
102	n-Propylbenzene	91	9.836	9.836	(0.917)	18568	0.50000	0.5
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	13935	0.50000	0.5
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	13326	0.50000	0.5
105	1,3,5-Trimethylbenzene	105	10.060	10.060	(0.938)	11870	0.50000	0.5
106	tert-Butylbenzene	119	10.339	10.339	(0.964)	9628	0.50000	0.5
107	1,2,4-Trimethylbenzene	105	10.413	10.413	(0.971)	12954	0.50000	0.5
108	sec-Butylbenzene	105	10.504	10.504	(0.980)	12911	0.50000	0.5
109	4-Isopropyltoluene	119	10.654	10.654	(0.994)	11162	0.50000	0.5
110	1,3-Dichlorobenzene	146	10.654	10.654	(0.994)	10711	0.50000	0.6
111	1,4-Dichlorobenzene	146	10.729	10.729	(1.000)	10921	0.50000	0.6
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	10038	0.50000	0.6
113	Benzyl Chloride	126	10.970	10.970	(1.023)	1178	0.50000	0.6
114	1,4-Diethylbenzene	119	10.959	10.959	(1.022)	7671	0.50000	0.6
115	n-Butylbenzene	91	11.007	11.007	(1.026)	15564	0.50000	0.7
118	1,2,4,5-Tetramethylbenzene	119	11.606	11.606	(1.082)	12074	0.50000	0.5
119	1,2-Dibromo-3-chloropropane	75	11.713	11.713	(1.092)	1374	0.50000	-0.2(M)
120	Nitrobenzene	77	12.125	12.125	(1.131)	3490	5.00000	6
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	8086	0.50000	0.8
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	6760	0.50000	1
123	Naphthalene	128	12.446	12.446	(1.161)	18060	0.50000	0.7
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	6584	0.50000	0.7
$ 125	Bromofluorobenzene	95	9.648	9.648	(0.900)	7991	0.50000	0.7
M 126	1,2-Dichloroethene (total)	100				7203	1.00000	0.9
M 127	Xylene (total)	100				21444	1.50000	2

QC Flag Legend

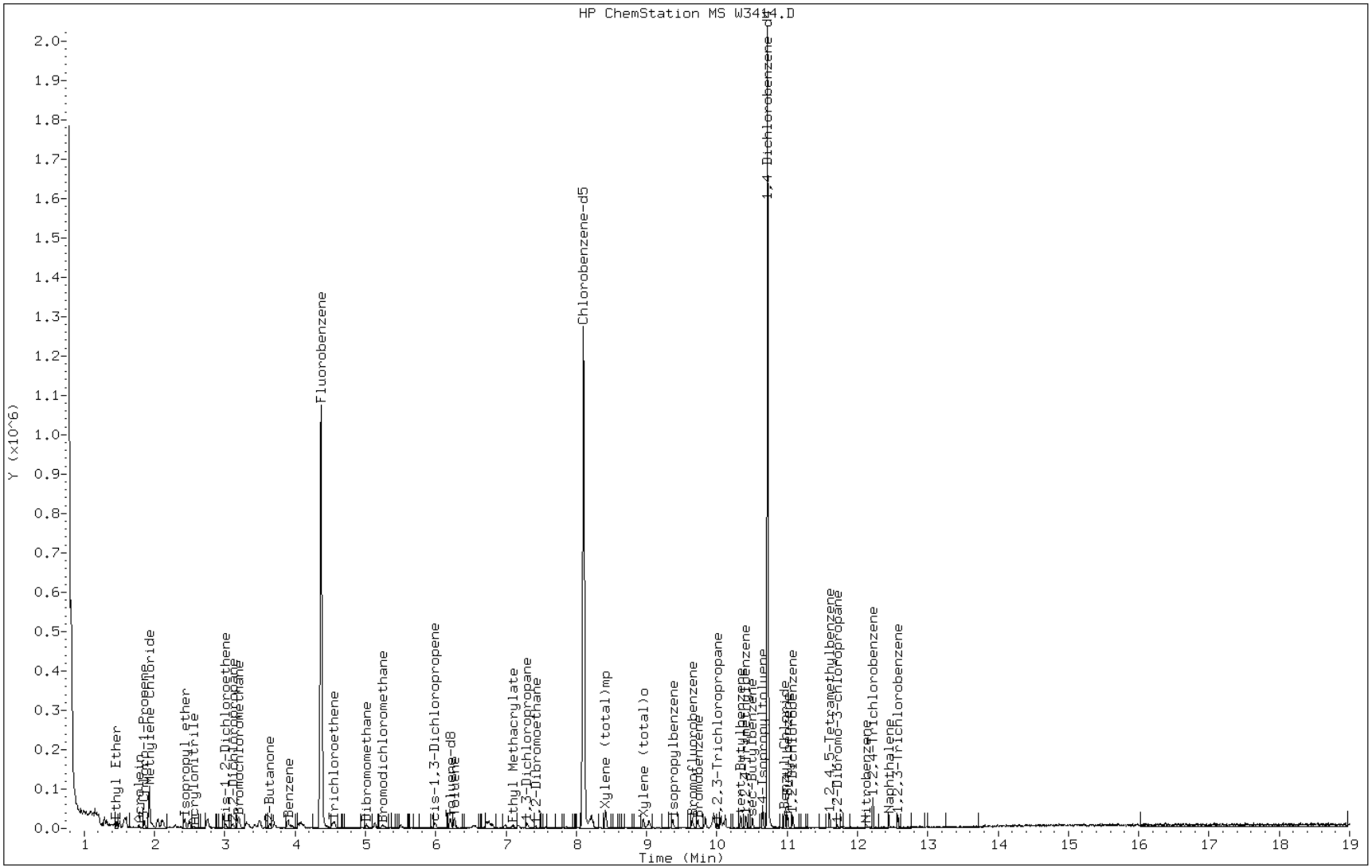
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: W3414.D

Date: 19-JUL-2011 17:47

Client ID: IC;0.5 Instrument: msw.i

Sample Info: IC;0.5 Operator: B.KOSTRZEWSKA



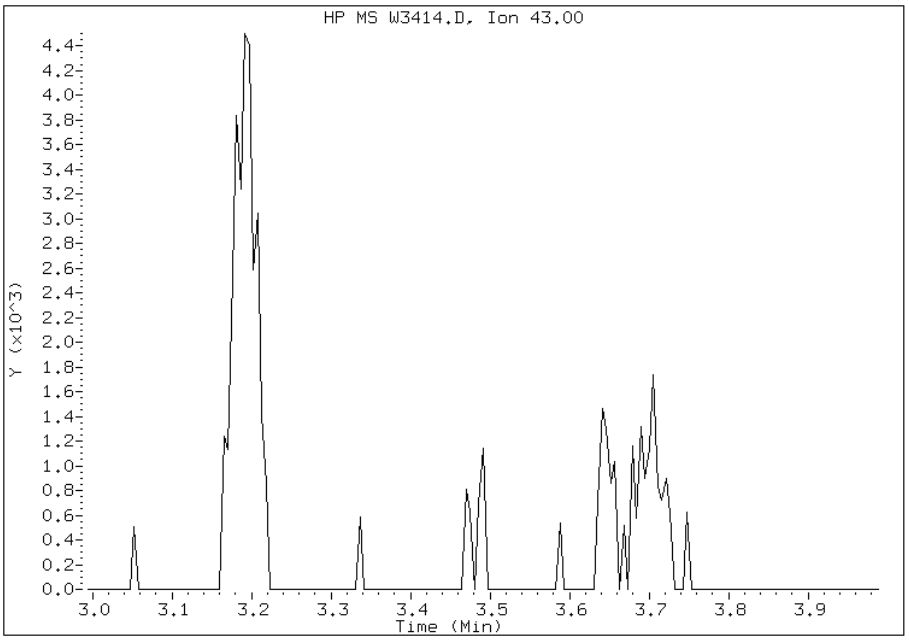
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 39 Ethyl Acetate
CAS #: 141-78-6
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 3.49



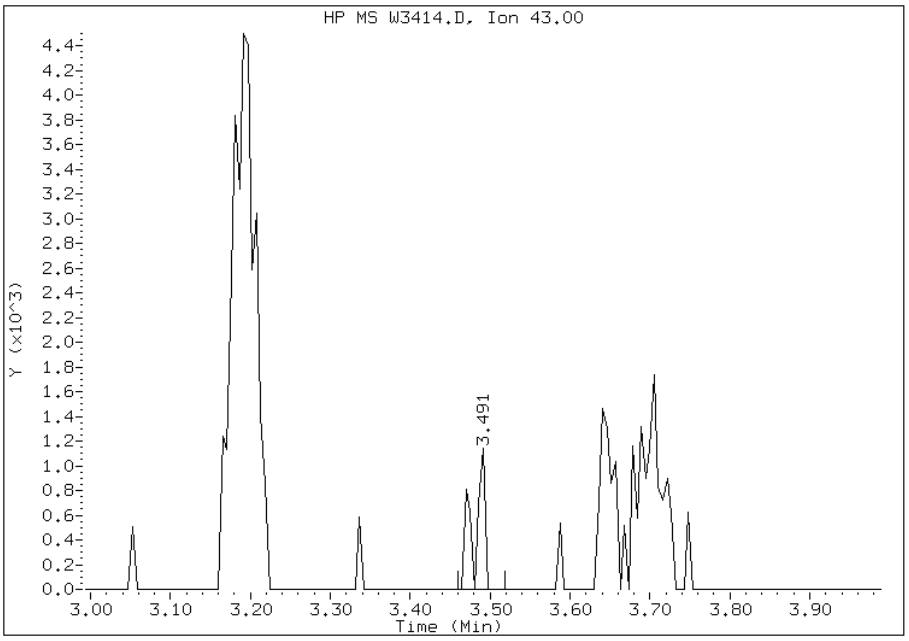
Manual Integration Results

RT: 3.49

Response: 1050

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 6 Chloroethane
CAS #: 75-00-3
Report Date: 07/20/2011

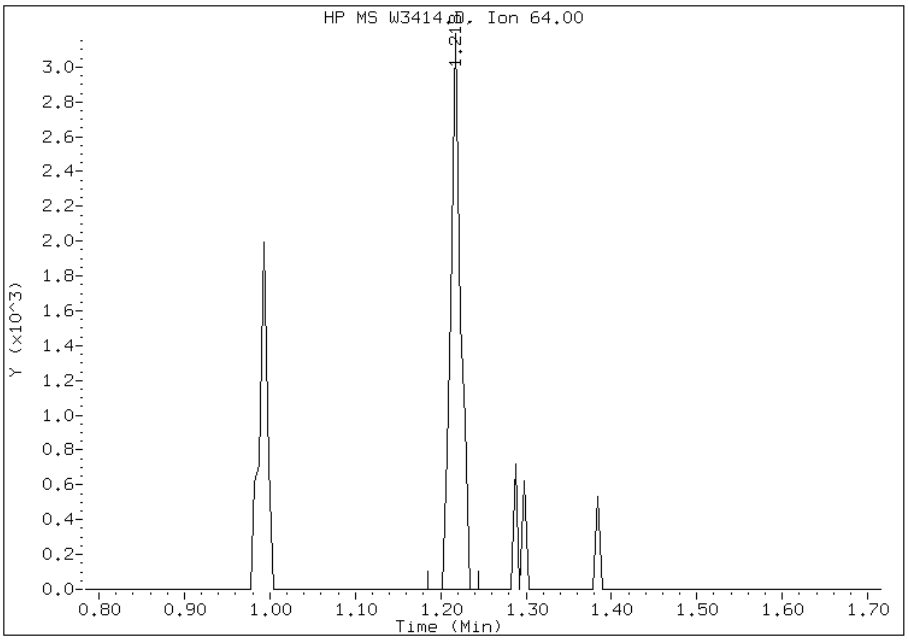
Processing Integration Results

RT: 1.22

Response: 2602

Amount: 1

Conc: 1



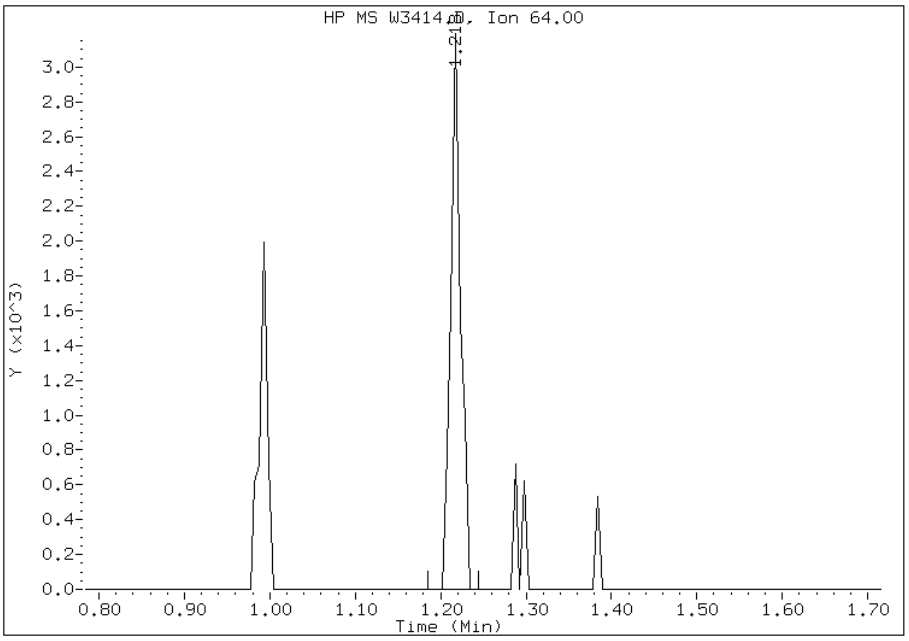
Manual Integration Results

RT: 1.22

Response: 2602

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 66 Methyl Methacrylate
CAS #: 80-62-6
Report Date: 07/20/2011

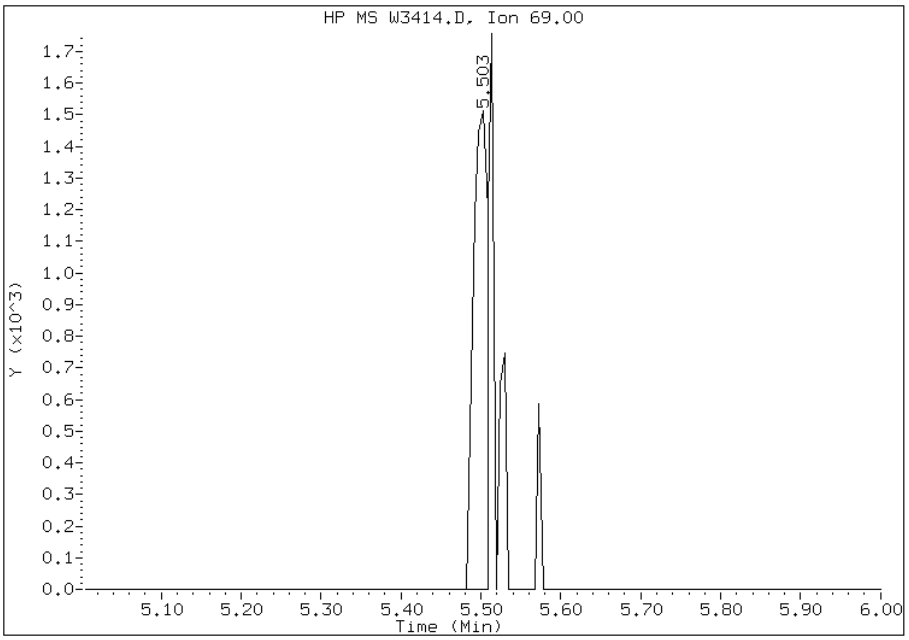
Processing Integration Results

RT: 5.50

Response: 1874

Amount: 0

Conc: 0



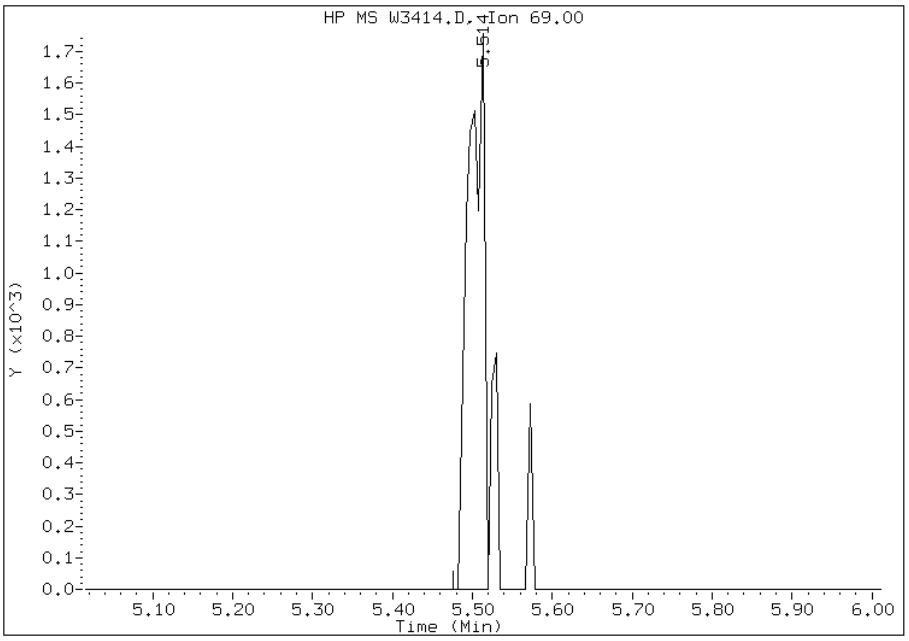
Manual Integration Results

RT: 5.51

Response: 2438

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 89 1,1,1,2-Tetrachloroethane
CAS #: 630-20-6
Report Date: 07/20/2011

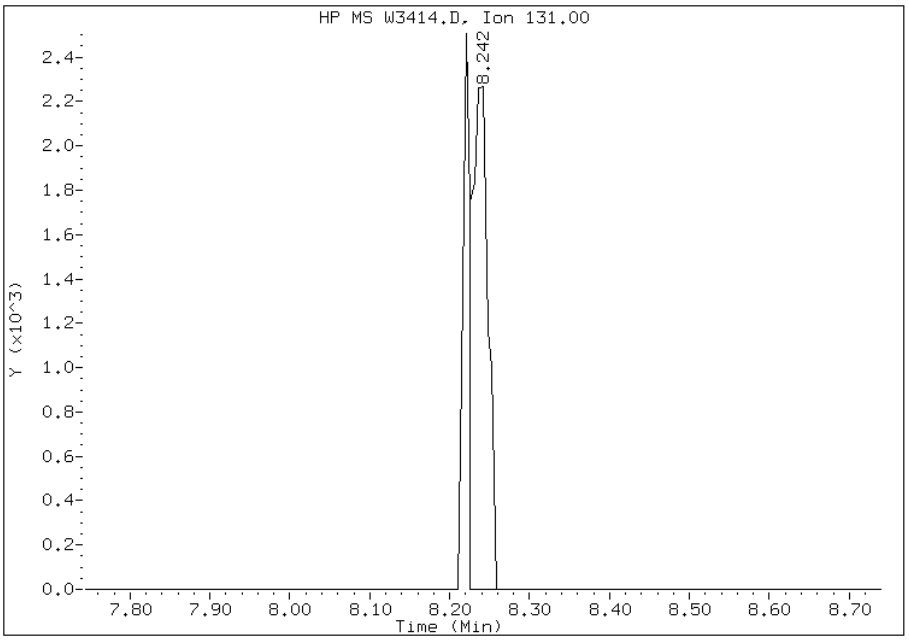
Processing Integration Results

RT: 8.24

Response: 3300

Amount: 0

Conc: 0



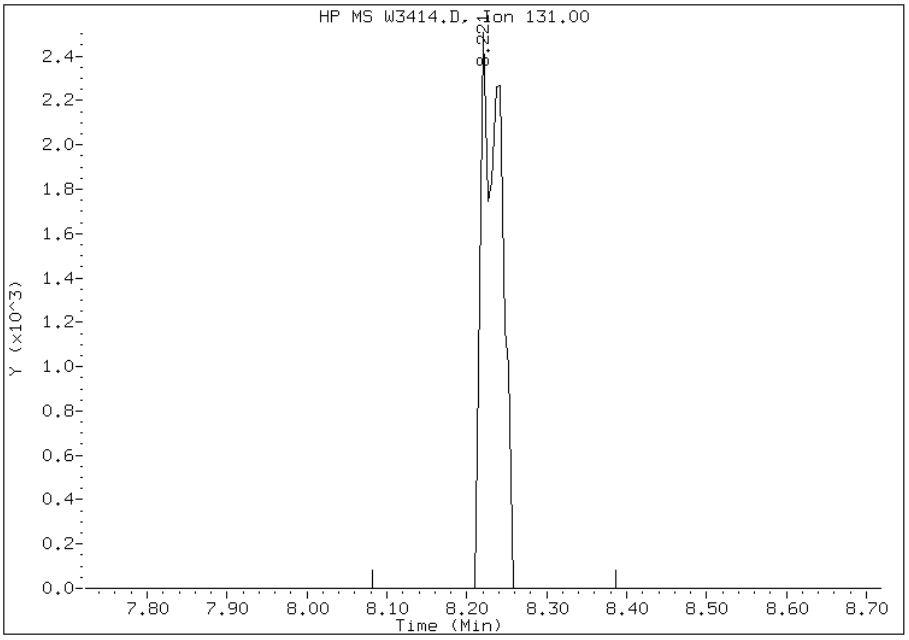
Manual Integration Results

RT: 8.22

Response: 4418

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

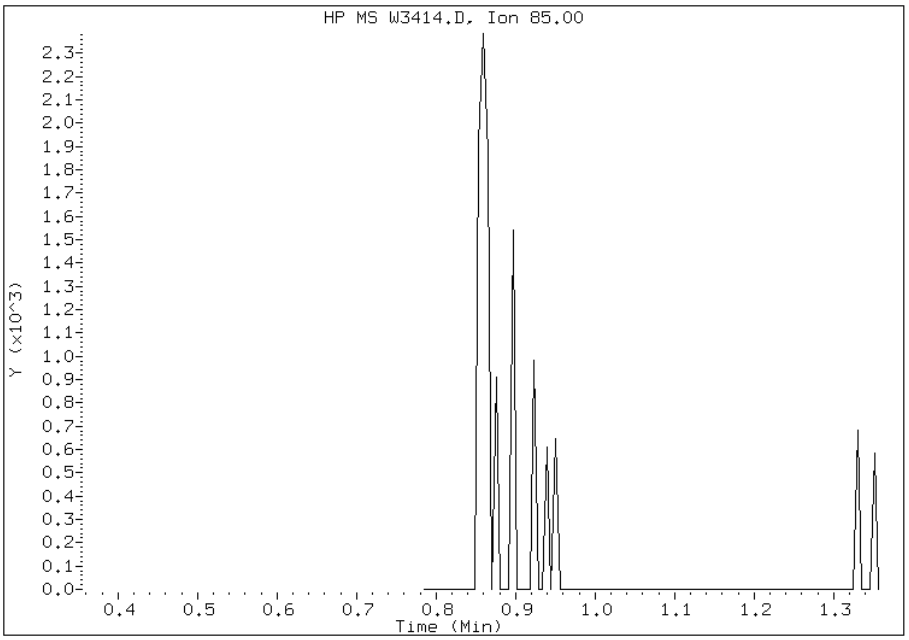
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 2 Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 0.86



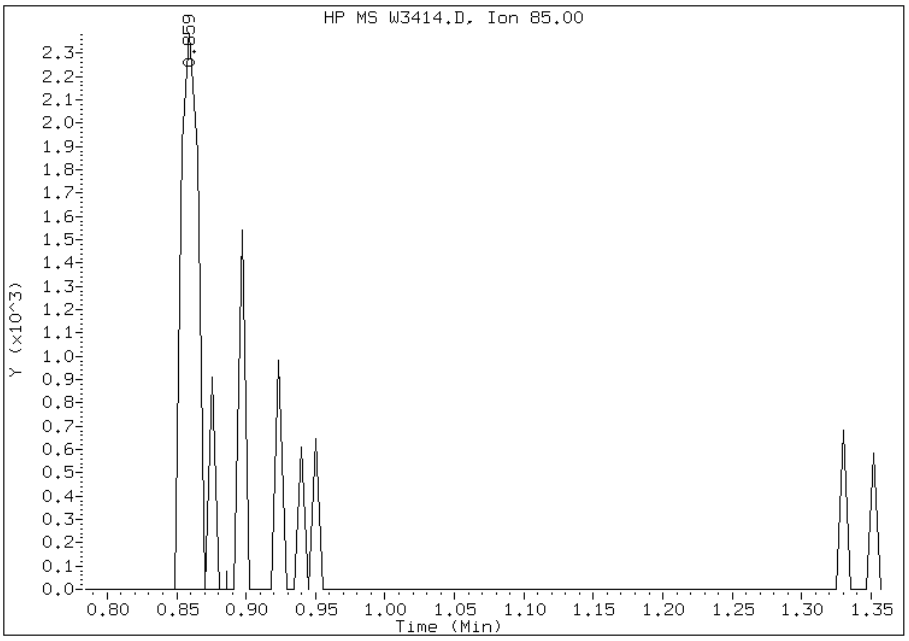
Manual Integration Results

RT: 0.86

Response: 2272

Amount: 2

Conc: 2



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 51 Propionitrile
CAS #: 107-12-0
Report Date: 07/20/2011

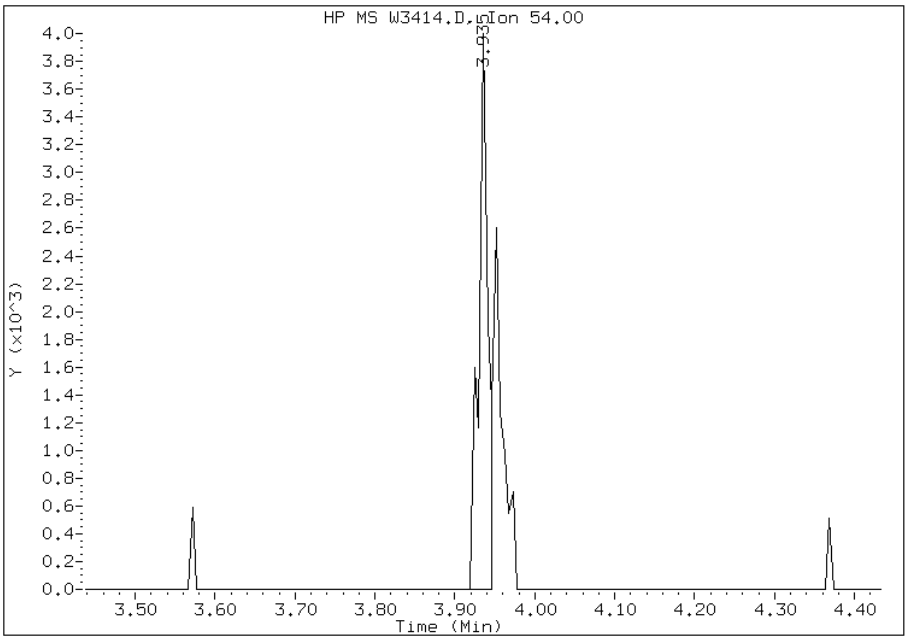
Processing Integration Results

RT: 3.94

Response: 3211

Amount: 3

Conc: 3



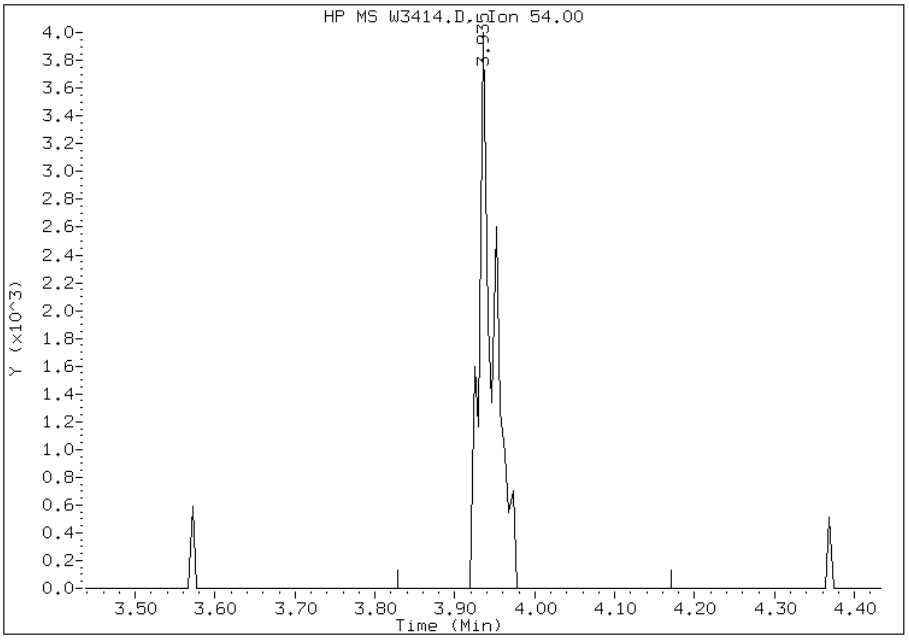
Manual Integration Results

RT: 3.94

Response: 5171

Amount: 4

Conc: 4



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

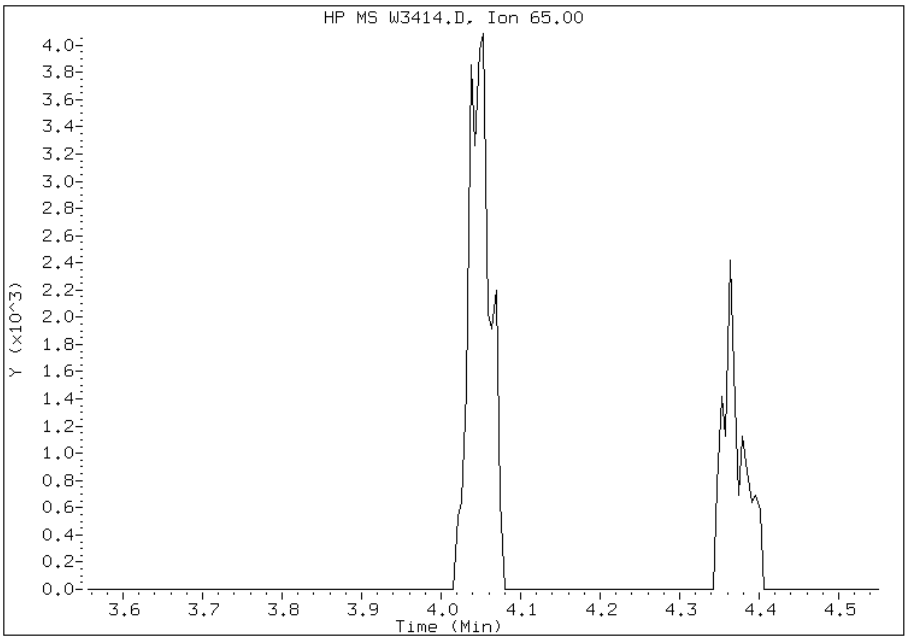
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 55 1,2-Dichloroethane-d4
CAS #: 17060-07-0
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 4.05



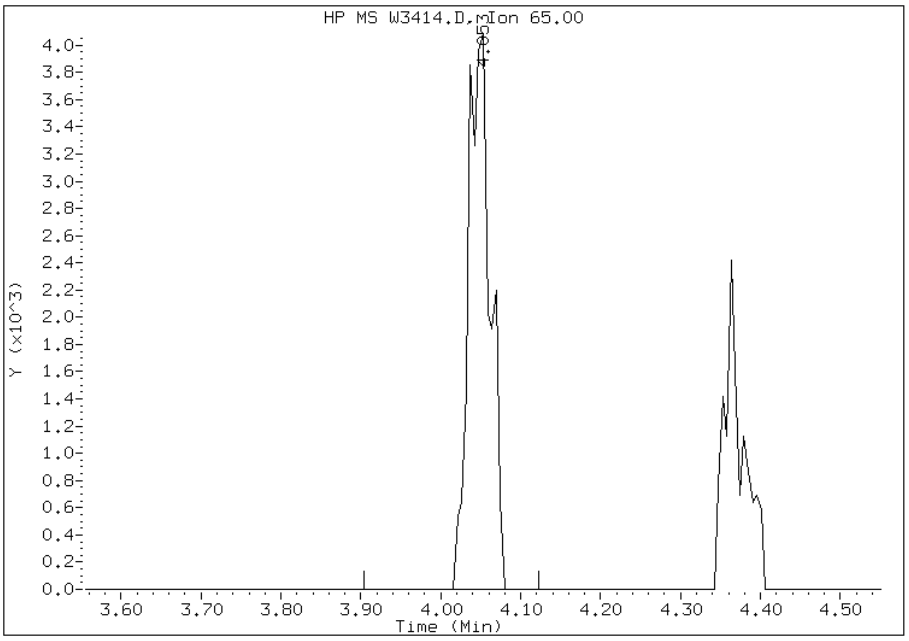
Manual Integration Results

RT: 4.05

Response: 7900

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 60 Trichloroethene
CAS #: 79-01-6
Report Date: 07/20/2011

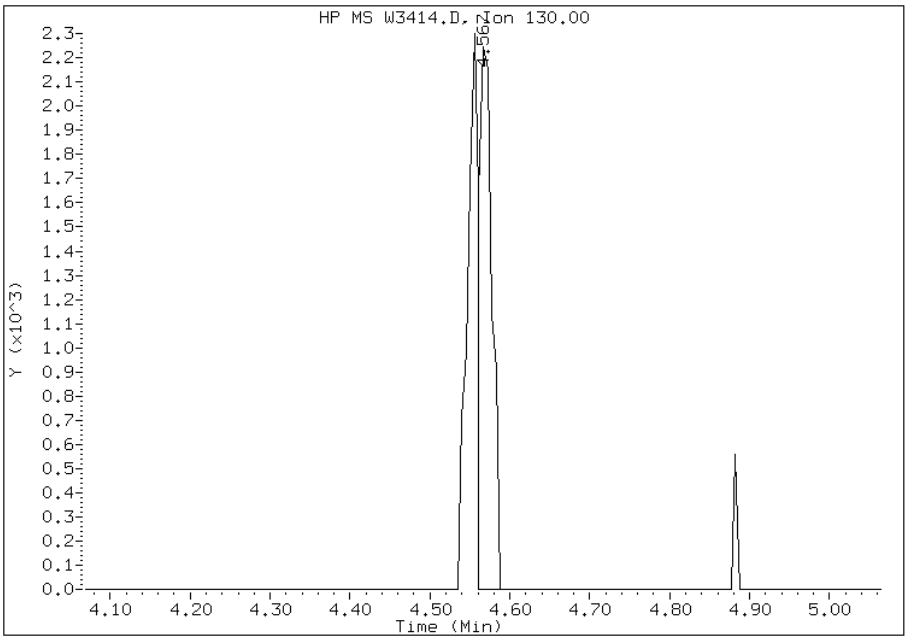
Processing Integration Results

RT: 4.57

Response: 2595

Amount: 0

Conc: 0



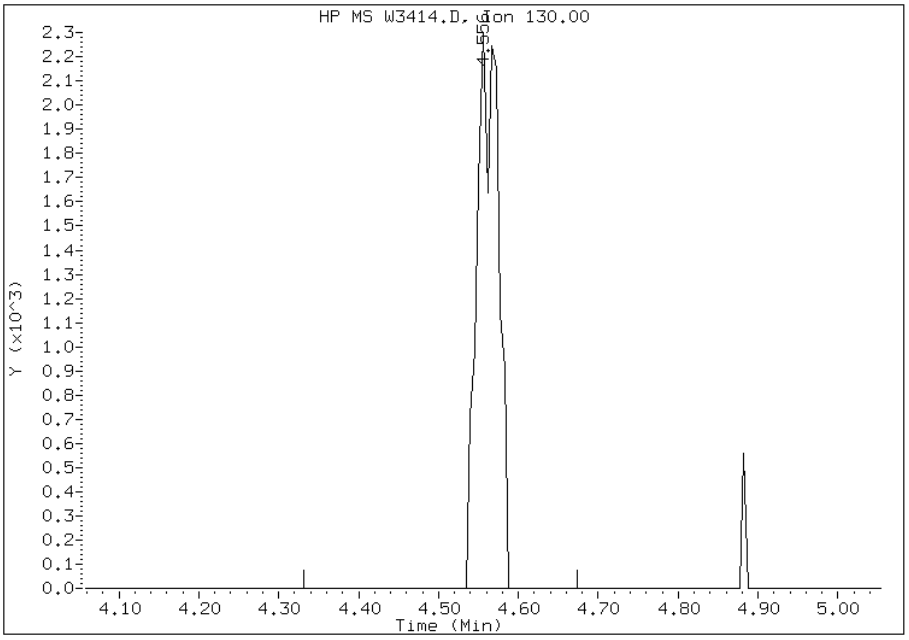
Manual Integration Results

RT: 4.56

Response: 4419

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

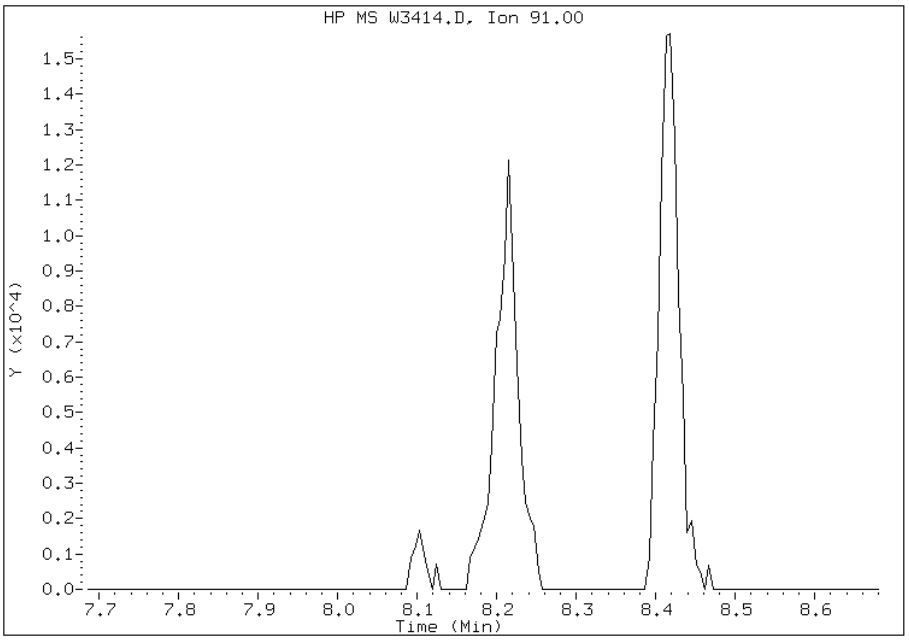
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 8.18



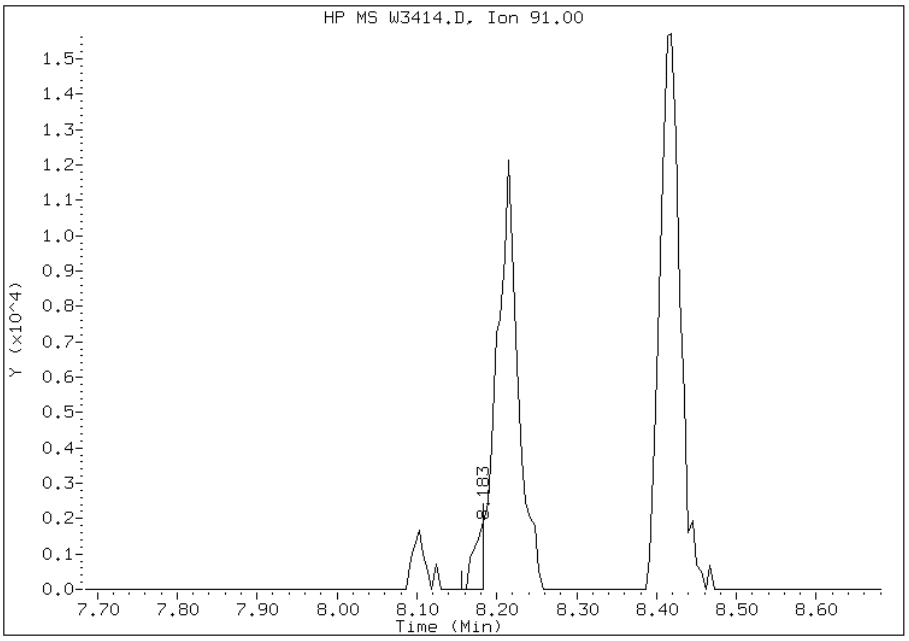
Manual Integration Results

RT: 8.18

Response: 1728

Amount: -1

Conc: -1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 74 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 07/20/2011

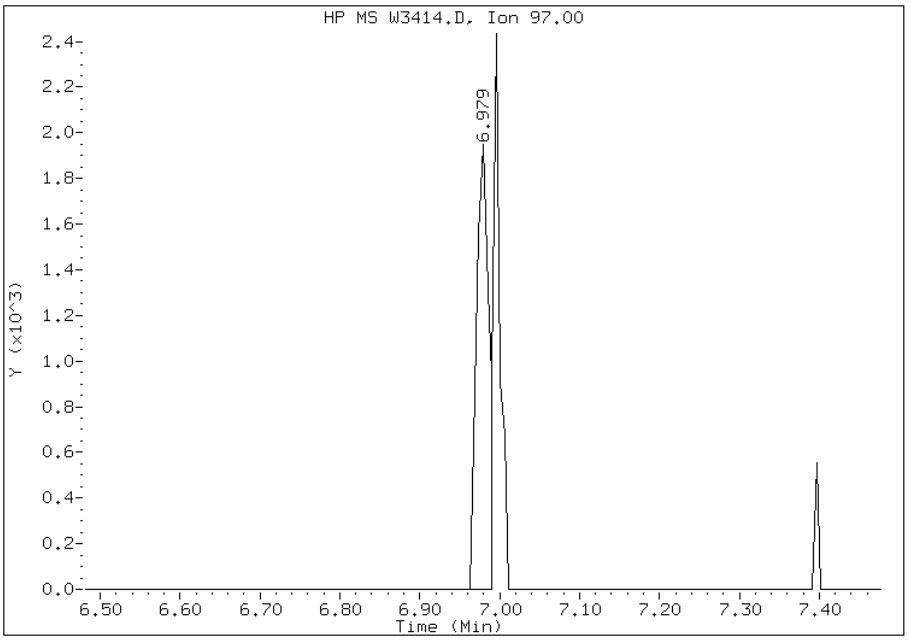
Processing Integration Results

RT: 6.98

Response: 2124

Amount: 0

Conc: 0



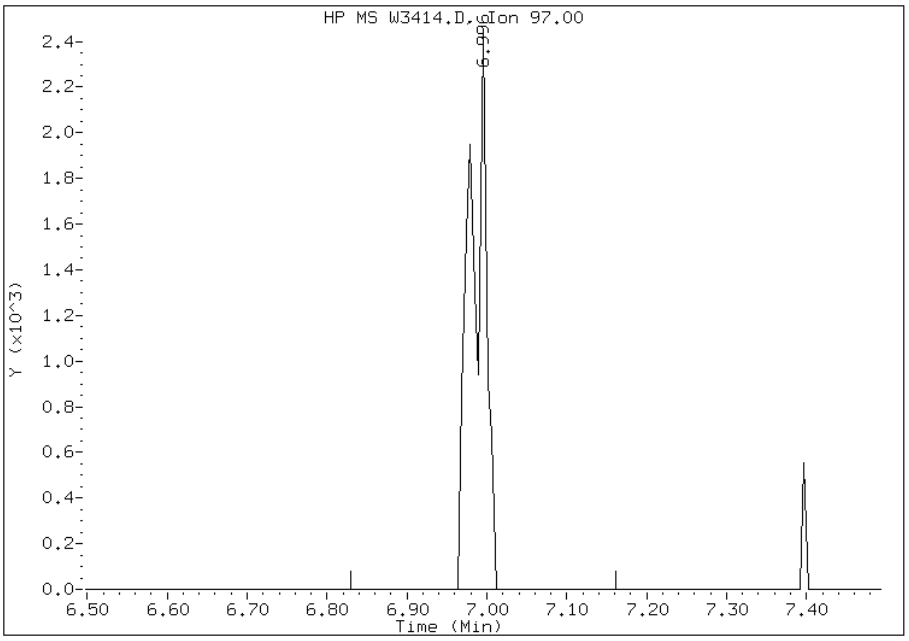
Manual Integration Results

RT: 7.00

Response: 3413

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 50 Heptane
CAS #: 142-82-5
Report Date: 07/20/2011

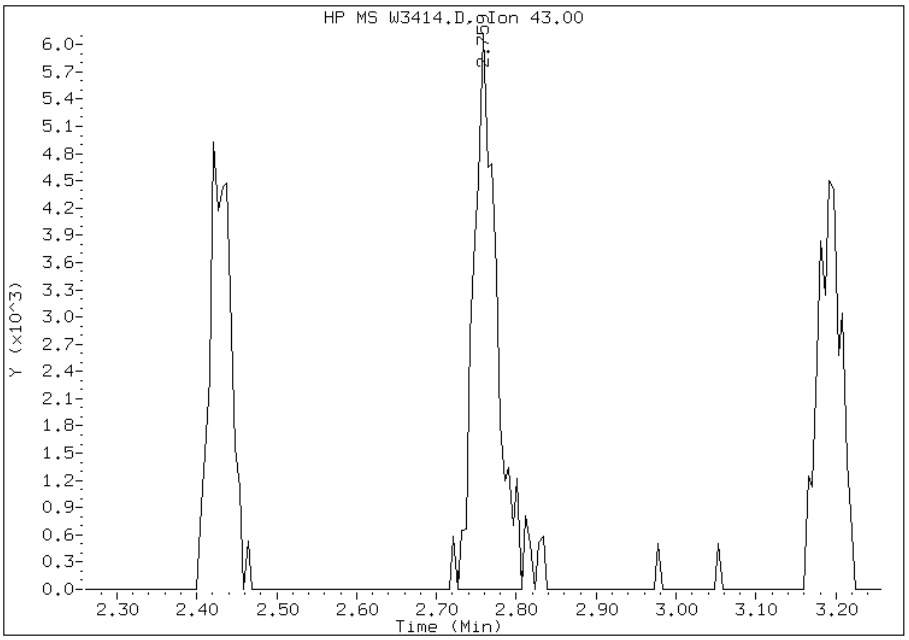
Processing Integration Results

RT: 2.76

Response: 12104

Amount: 1

Conc: 1



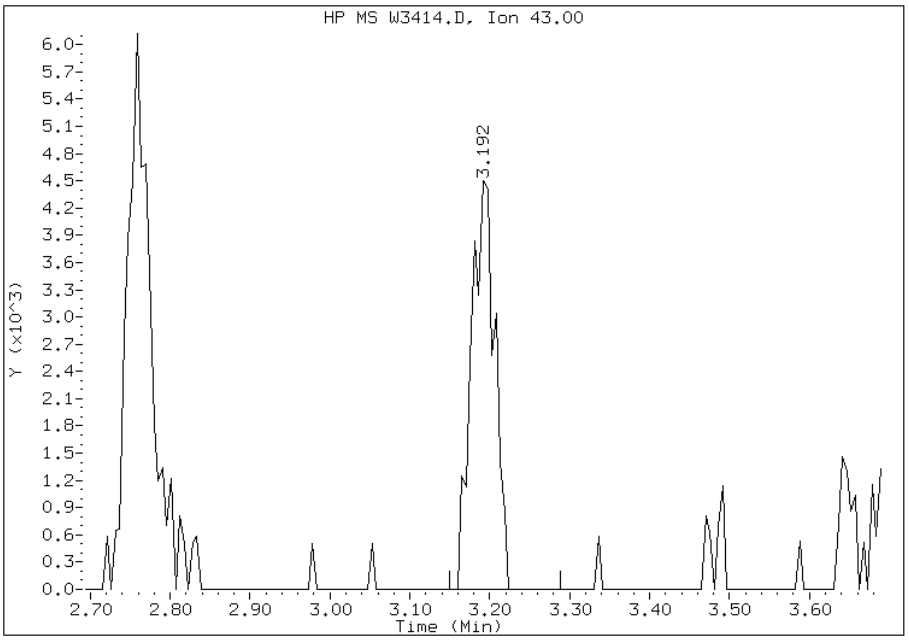
Manual Integration Results

RT: 3.19

Response: 9237

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 33 cis-1,2-Dichloroethene
CAS #: 156-59-2
Report Date: 07/20/2011

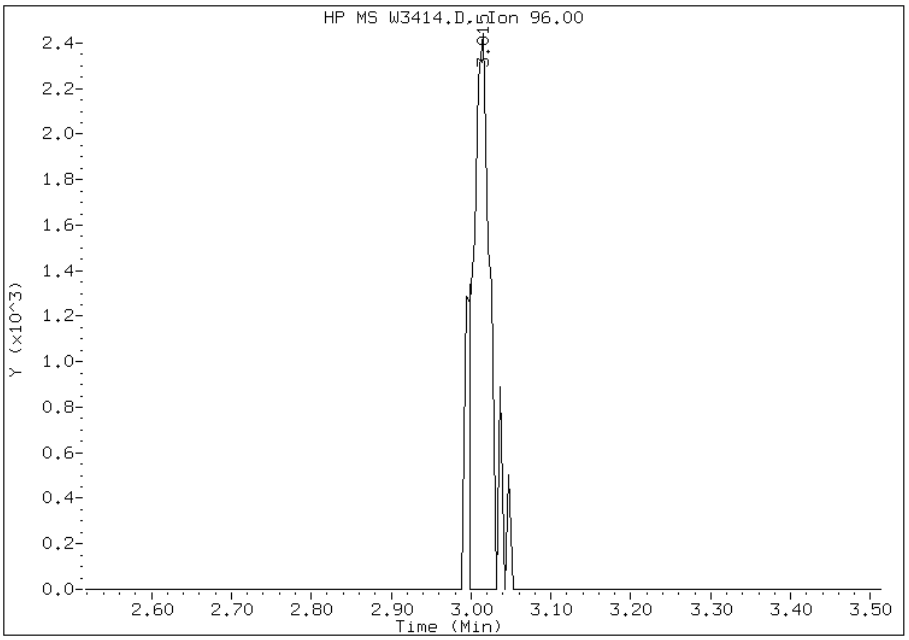
Processing Integration Results

RT: 3.02

Response: 3311

Amount: 0

Conc: 0



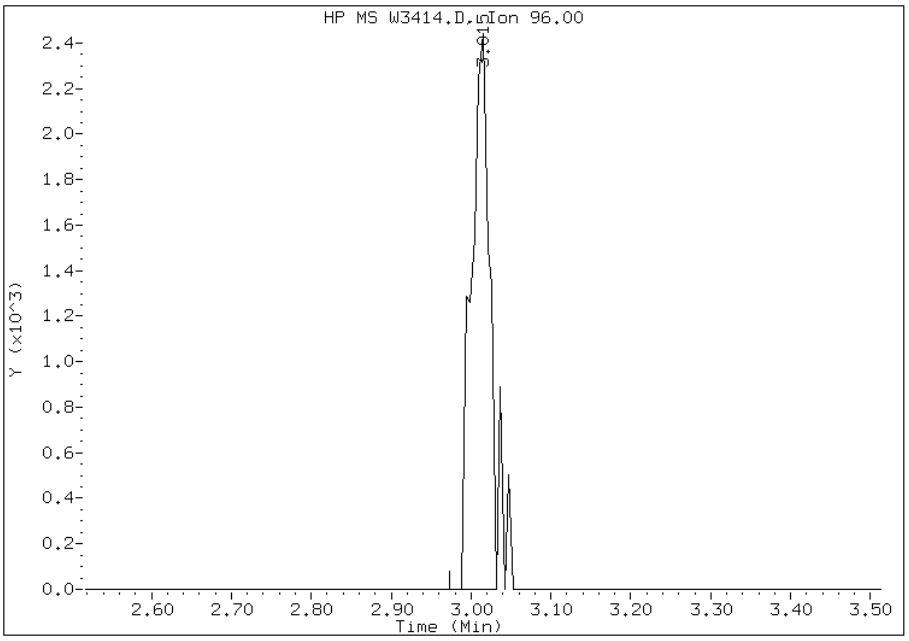
Manual Integration Results

RT: 3.02

Response: 3725

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 40 Methyl Acrylate
CAS #: 96-33-3
Report Date: 07/20/2011

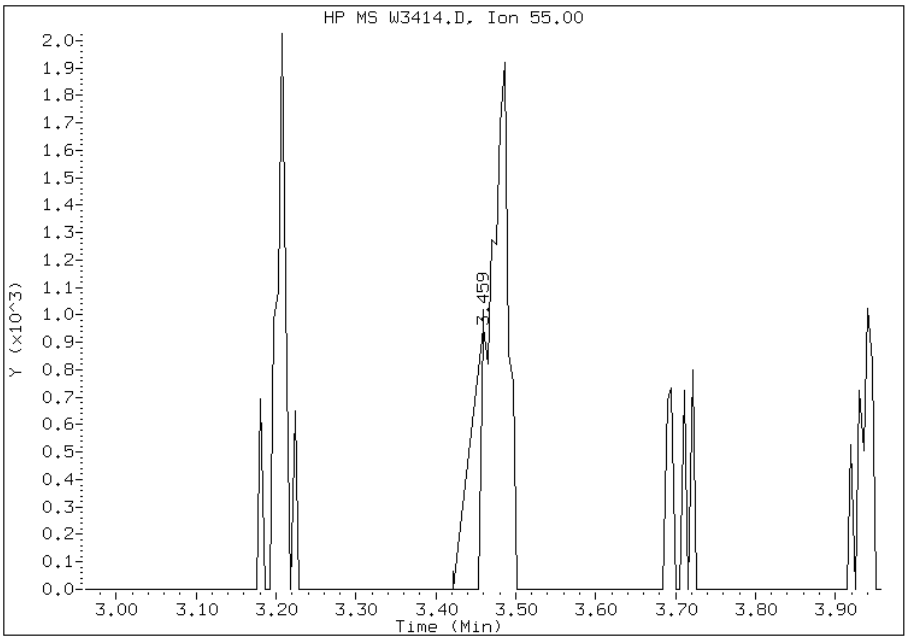
Processing Integration Results

RT: 3.46

Response: 918

Amount: 0

Conc: 0



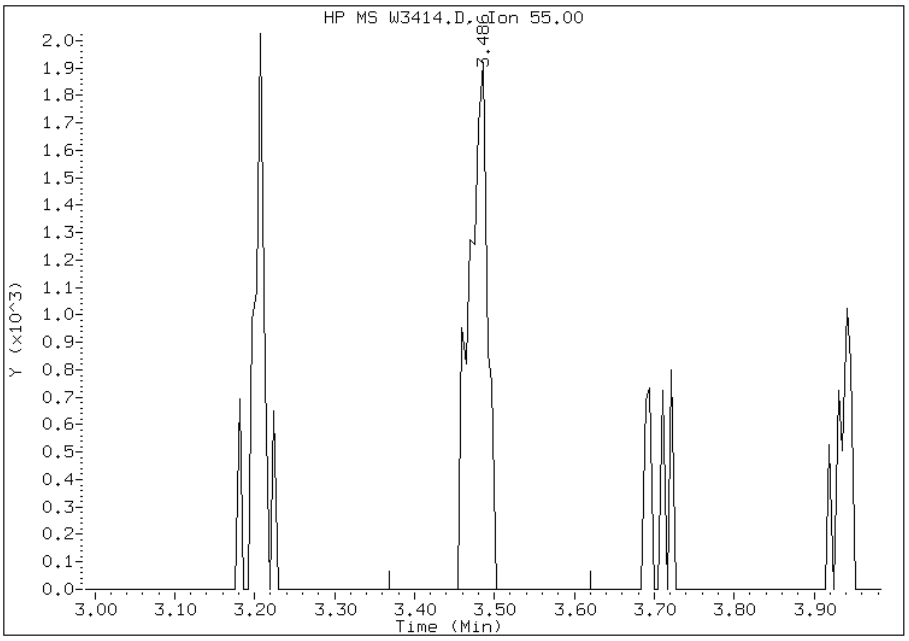
Manual Integration Results

RT: 3.49

Response: 3058

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 43 Carbon Tetrachloride
CAS #: 56-23-5
Report Date: 07/20/2011

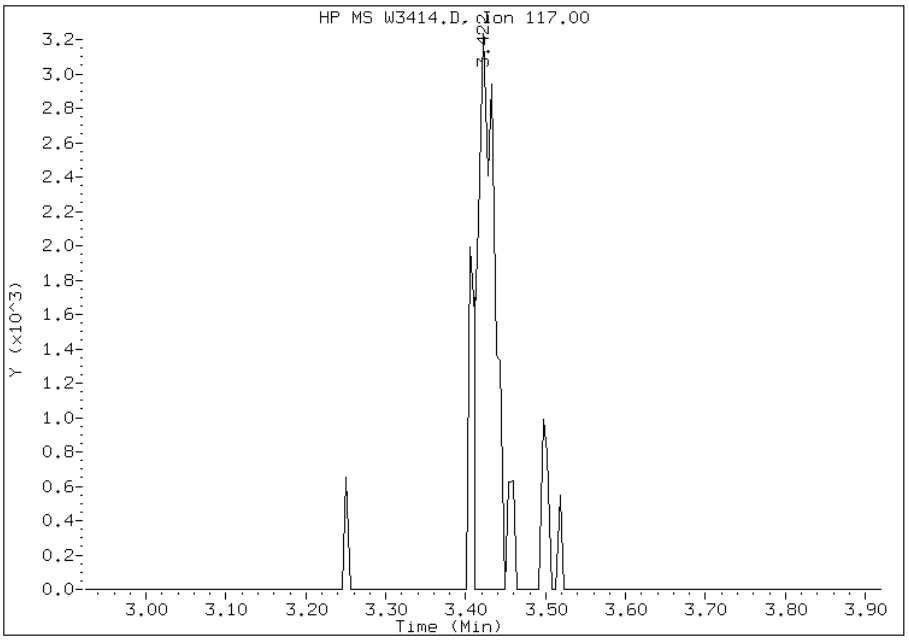
Processing Integration Results

RT: 3.42

Response: 4819

Amount: 0

Conc: 0



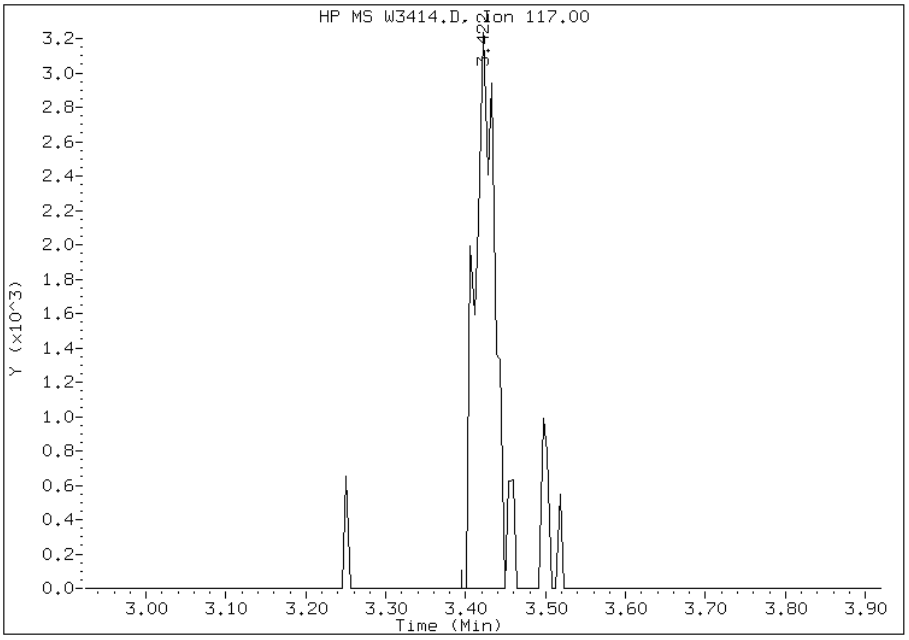
Manual Integration Results

RT: 3.42

Response: 5458

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/20/2011

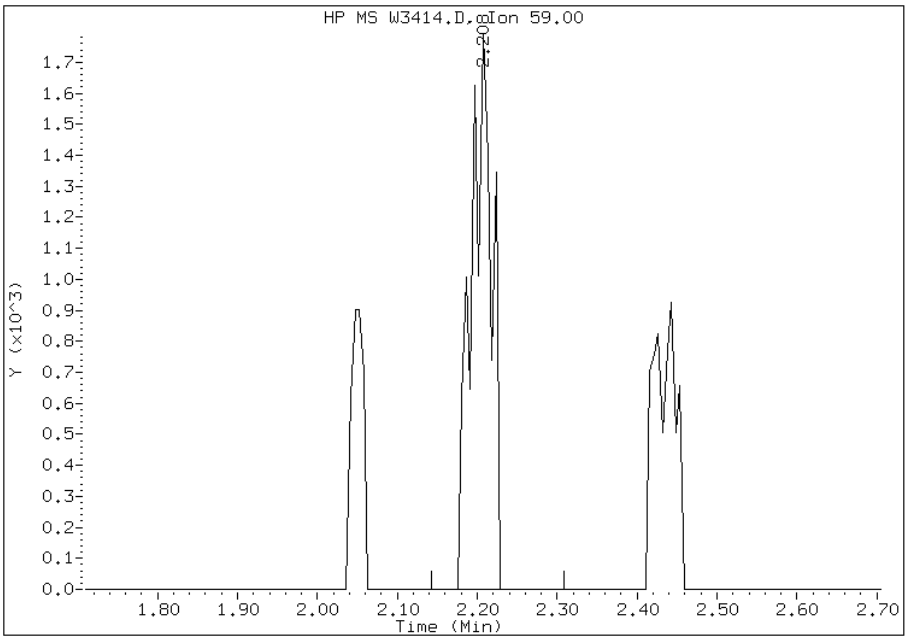
Processing Integration Results

RT: 2.21

Response: 3266

Amount: -0

Conc: -0



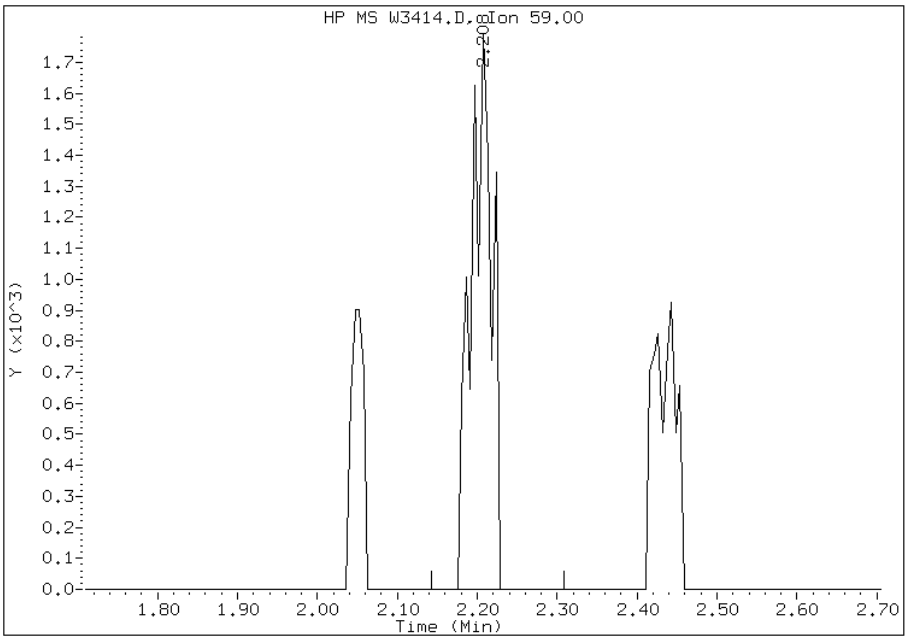
Manual Integration Results

RT: 2.21

Response: 3266

Amount: -0

Conc: -0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

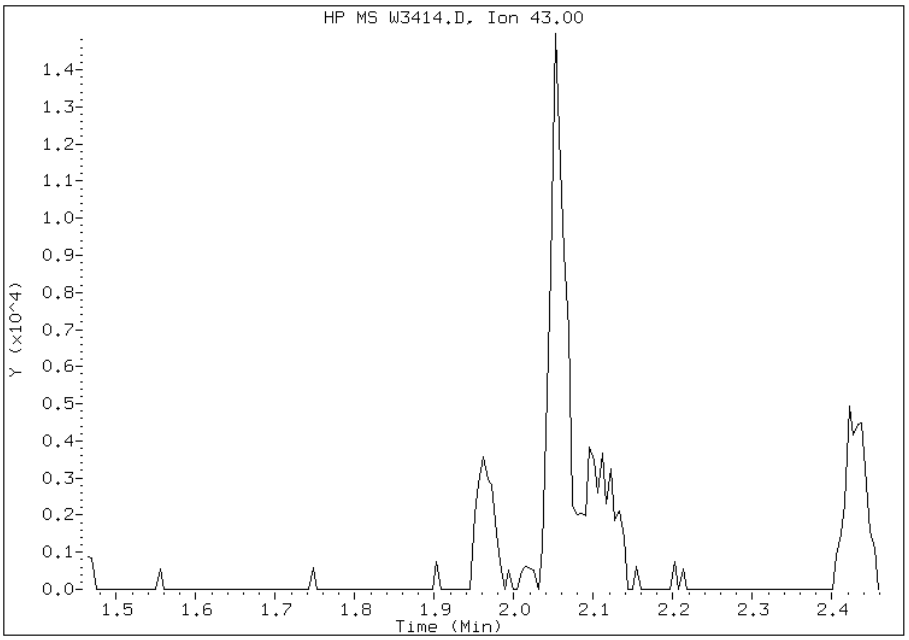
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 21 Acetone
CAS #: 67-64-1
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 1.96



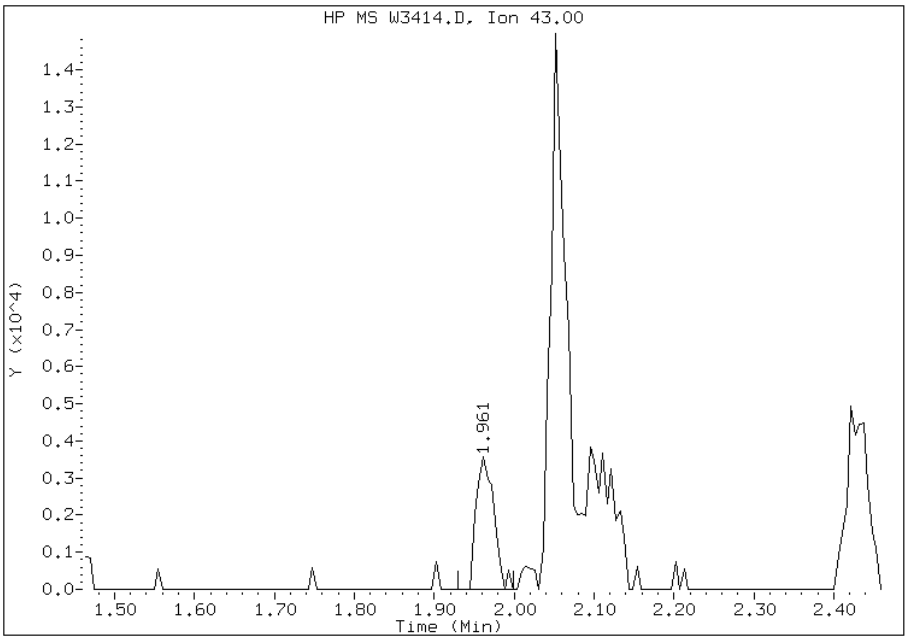
Manual Integration Results

RT: 1.96

Response: 5448

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 27 Isopropyl ether
CAS #: 108-20-3
Report Date: 07/20/2011

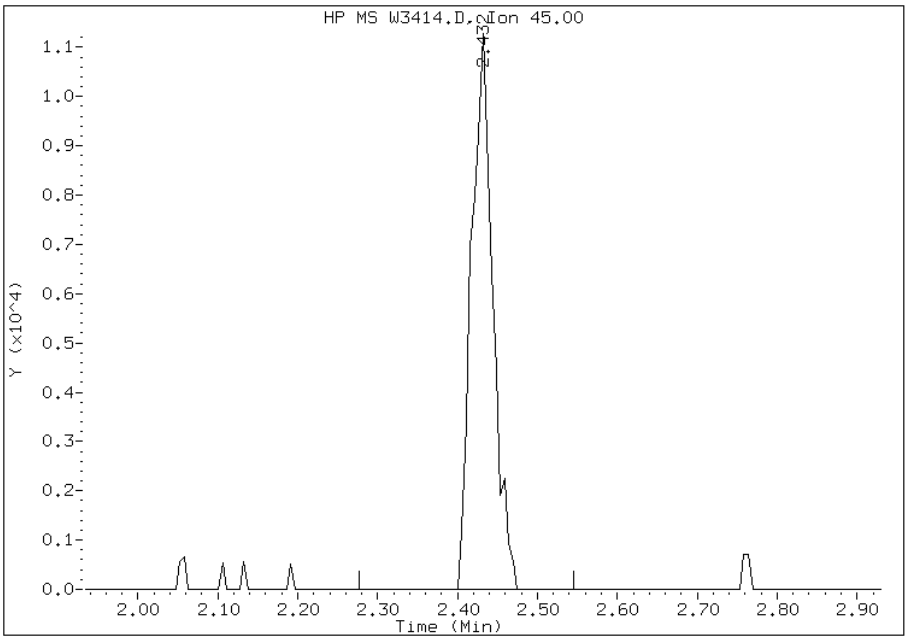
Processing Integration Results

RT: 2.43

Response: 20879

Amount: 1

Conc: 1



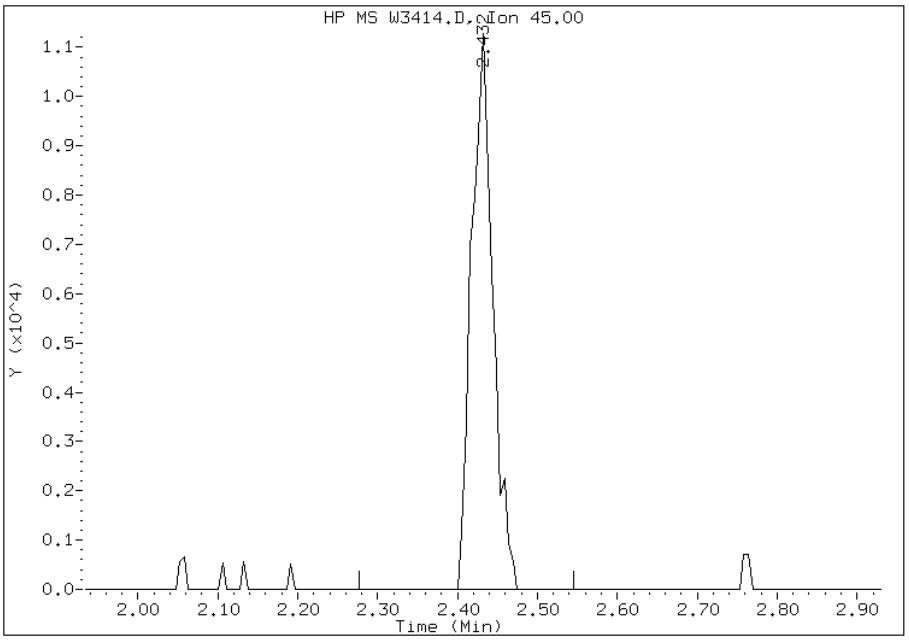
Manual Integration Results

RT: 2.43

Response: 20879

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 46 1,1-Dichloropropene
CAS #: 563-58-6
Report Date: 07/20/2011

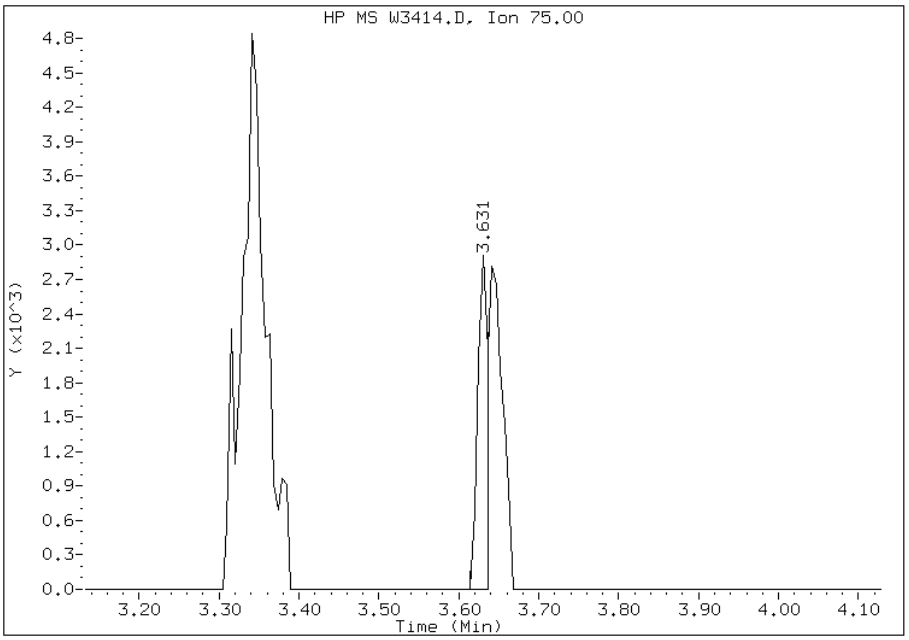
Processing Integration Results

RT: 3.63

Response: 2460

Amount: 0

Conc: 0



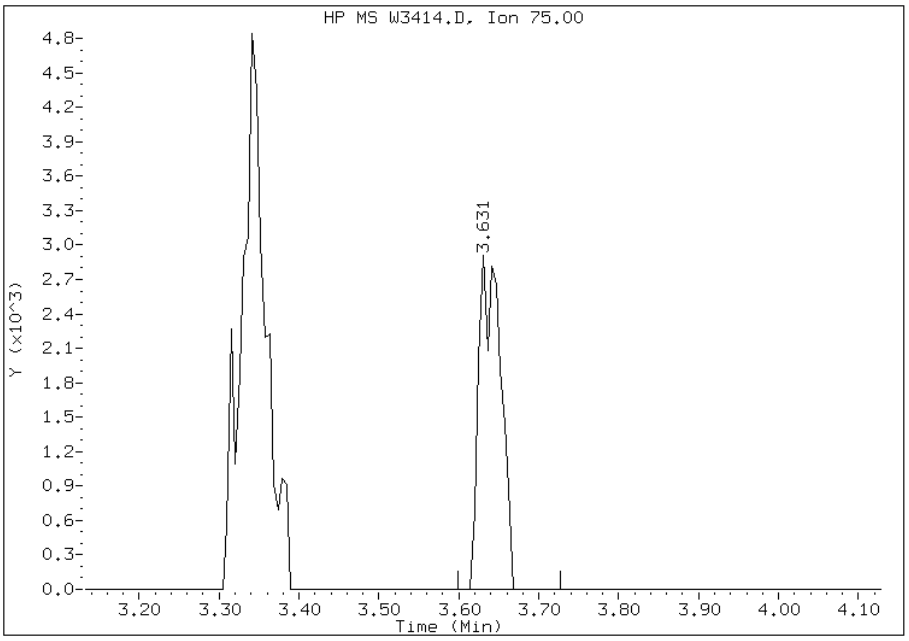
Manual Integration Results

RT: 3.63

Response: 5577

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

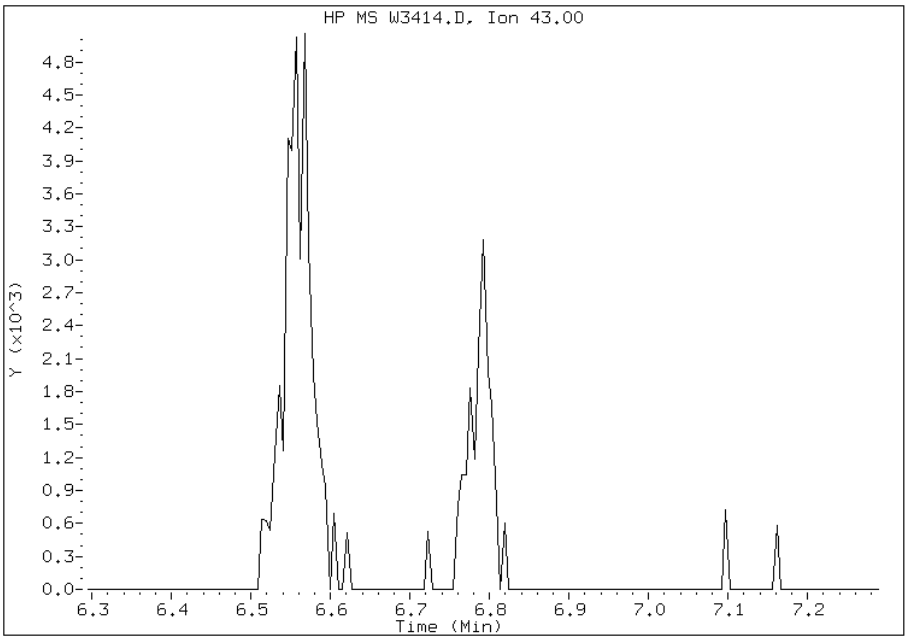
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 79 4-Methyl-2-Pentanone
CAS #: 108-10-1
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 6.79



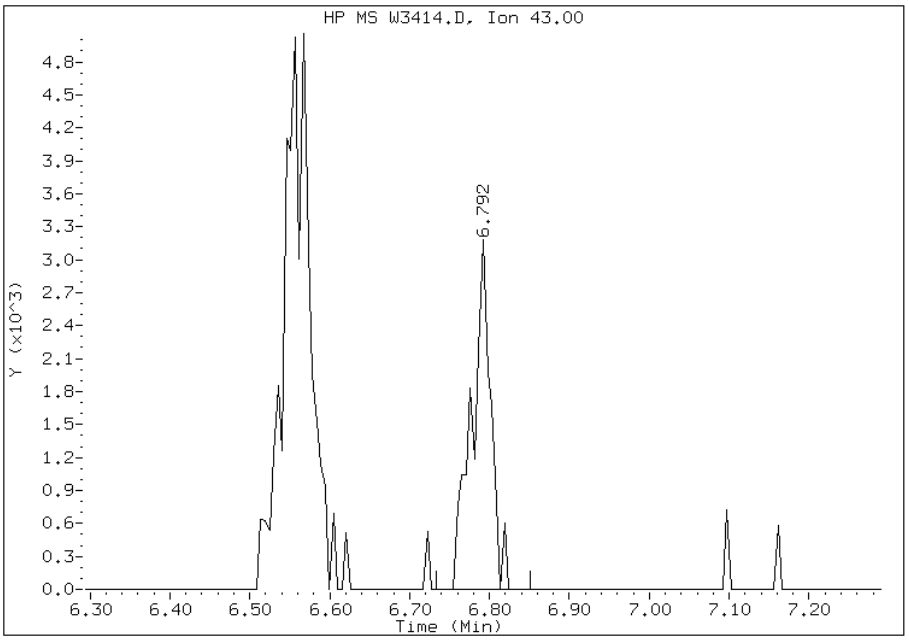
Manual Integration Results

RT: 6.79

Response: 5223

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

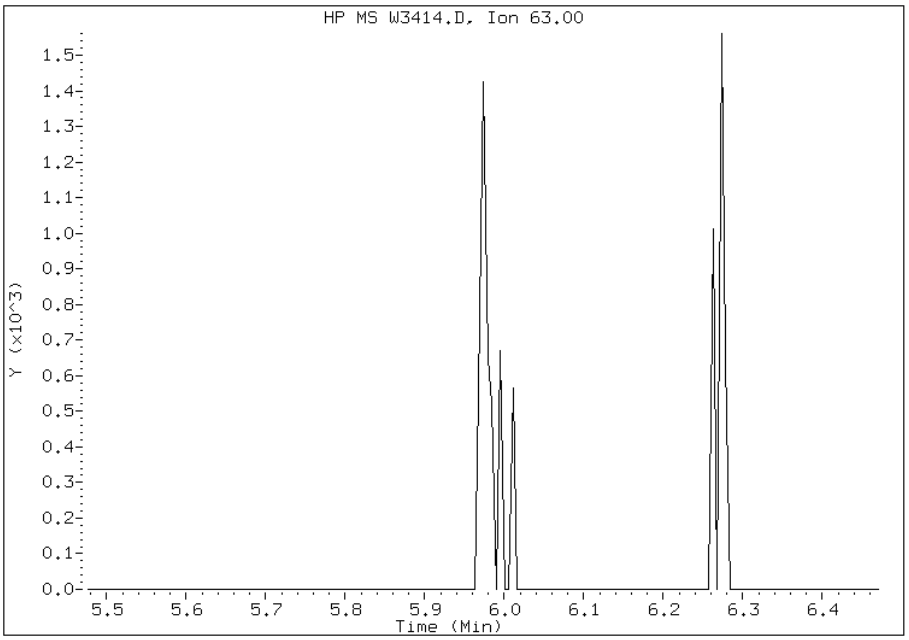
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 69 2-Chloroethylvinylether
CAS #: 110-75-8
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 5.97



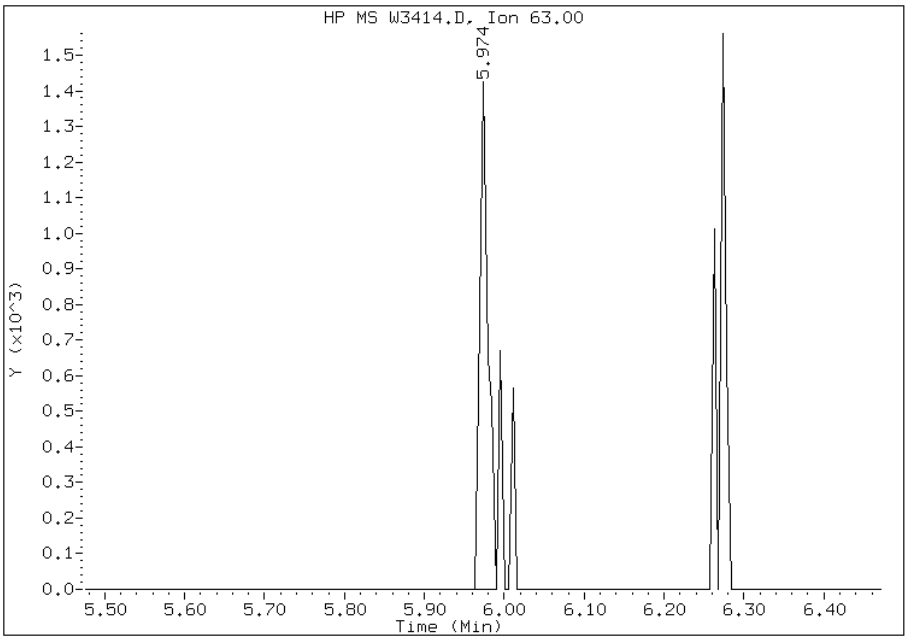
Manual Integration Results

RT: 5.97

Response: 1009

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

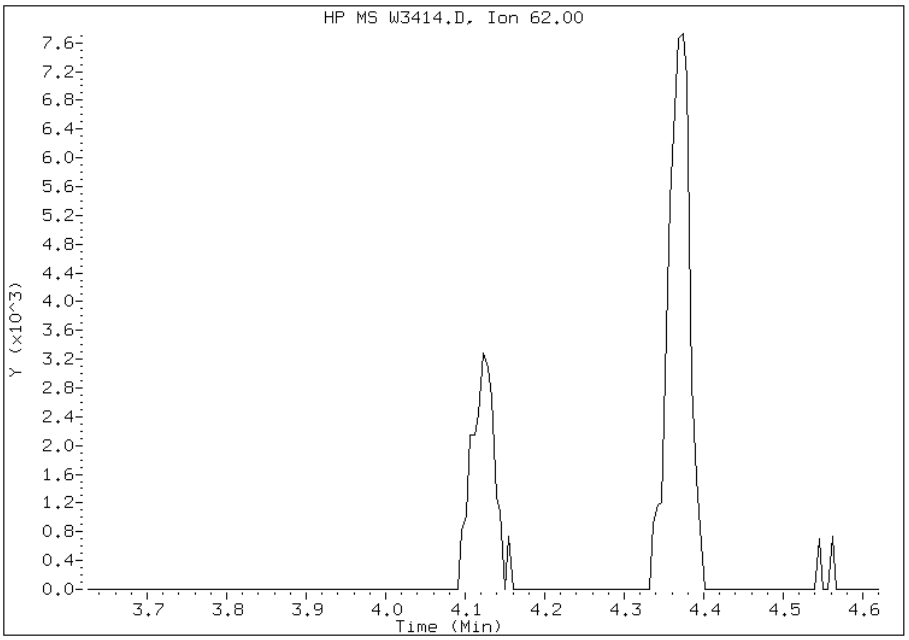
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 56 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 4.12



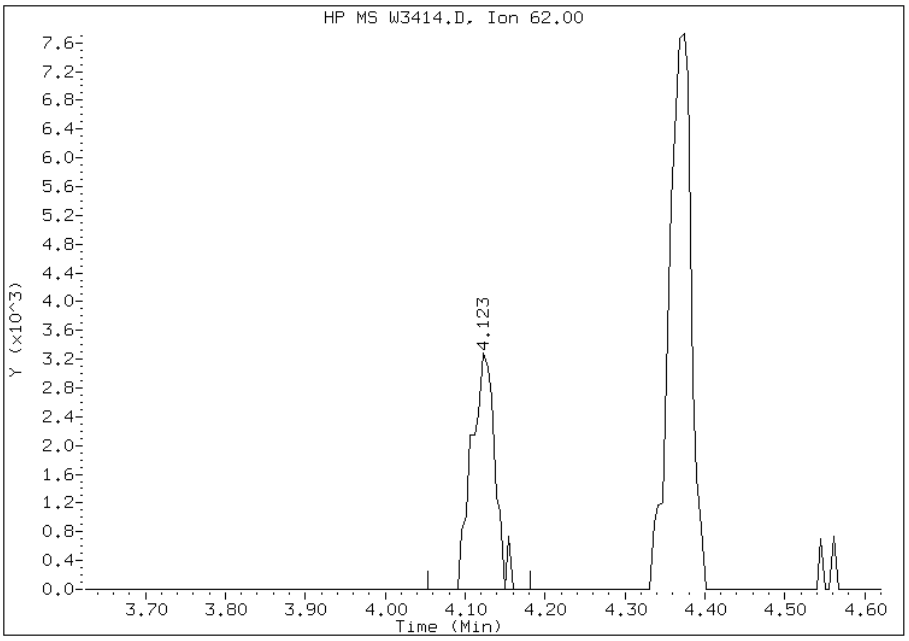
Manual Integration Results

RT: 4.12

Response: 6647

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

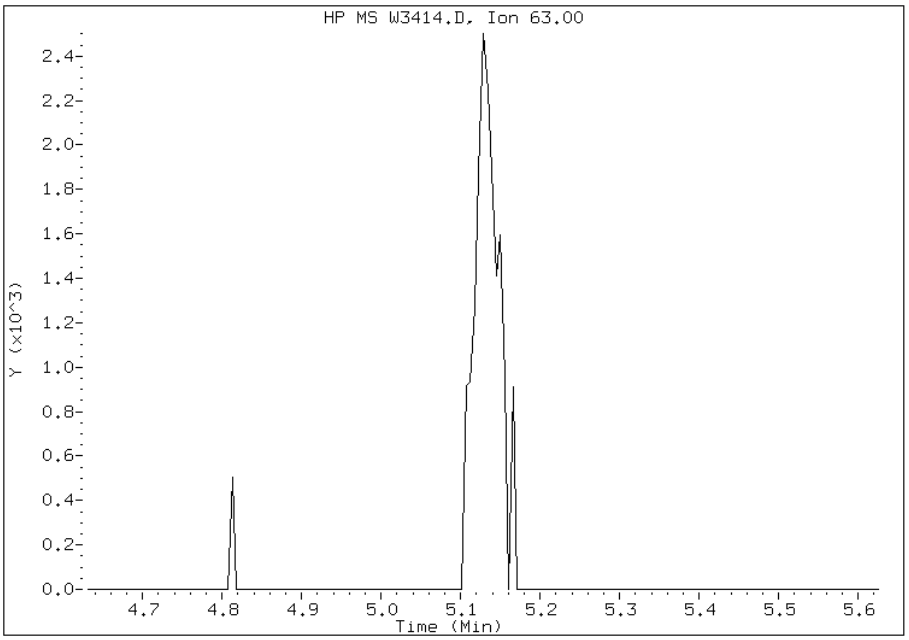
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 64 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 5.13



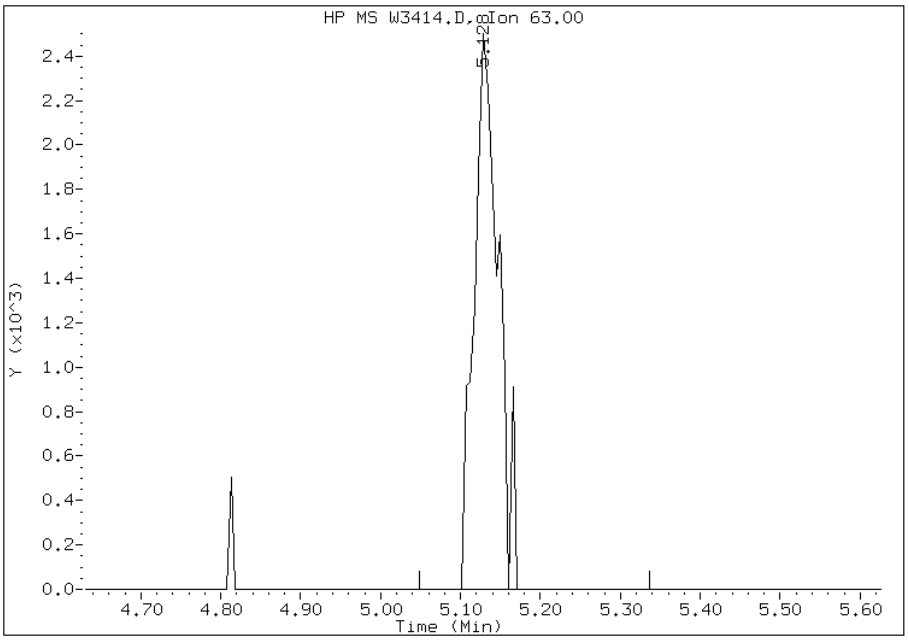
Manual Integration Results

RT: 5.13

Response: 5297

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

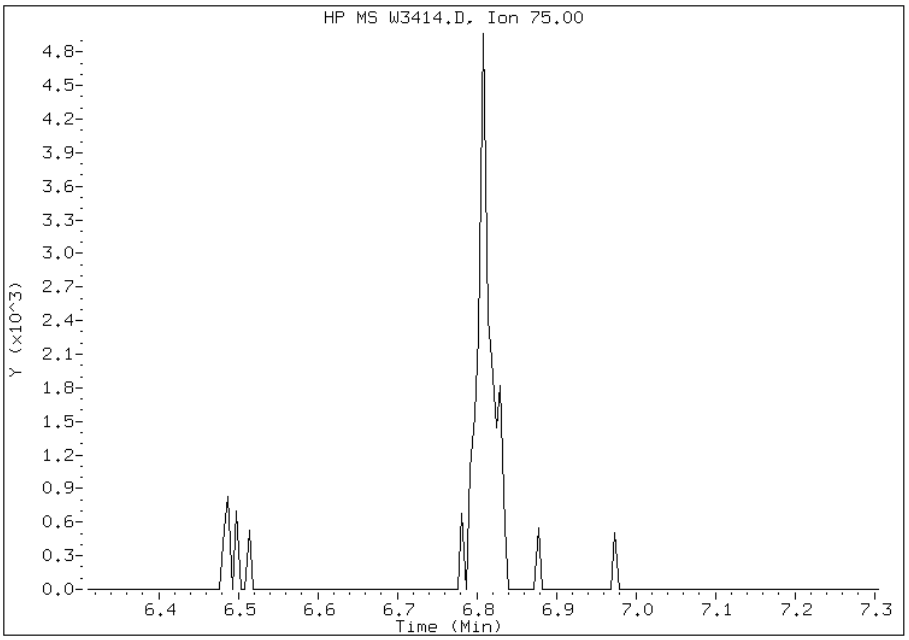
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 73 trans-1,3-Dichloropropene
CAS #: 10061-02-6
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 6.81



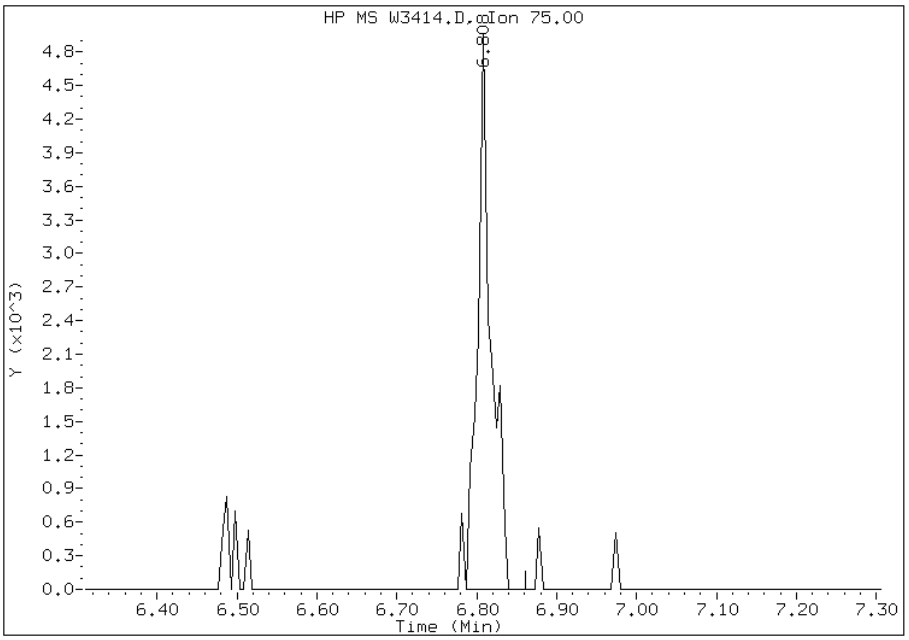
Manual Integration Results

RT: 6.81

Response: 5826

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 13 Trichlorotrifluoroethane
CAS #: 76-13-1
Report Date: 07/20/2011

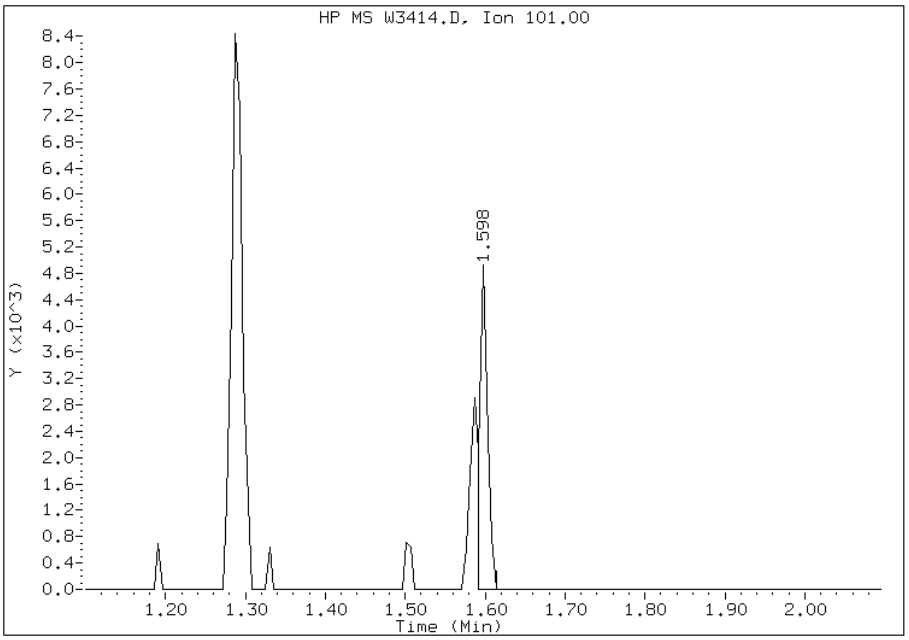
Processing Integration Results

RT: 1.60

Response: 3245

Amount: 0

Conc: 0



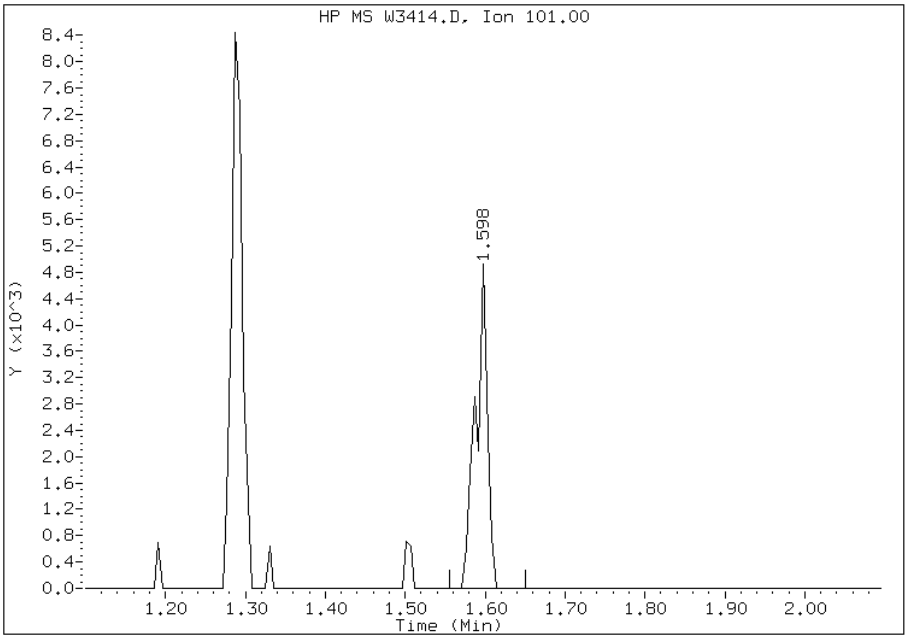
Manual Integration Results

RT: 1.60

Response: 4948

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 82 Dibromochloromethane
CAS #: 124-48-1
Report Date: 07/20/2011

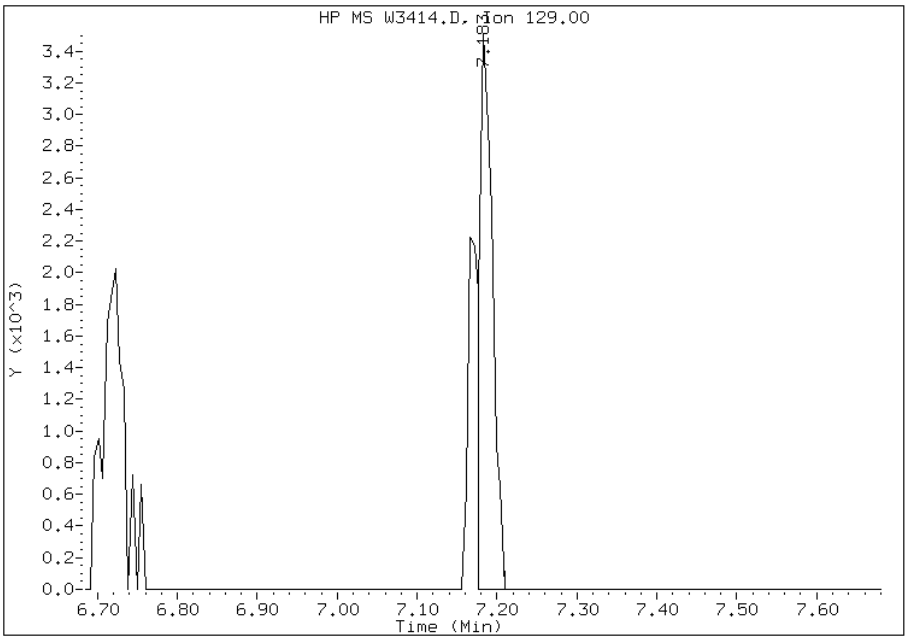
Processing Integration Results

RT: 7.18

Response: 3938

Amount: 0

Conc: 0



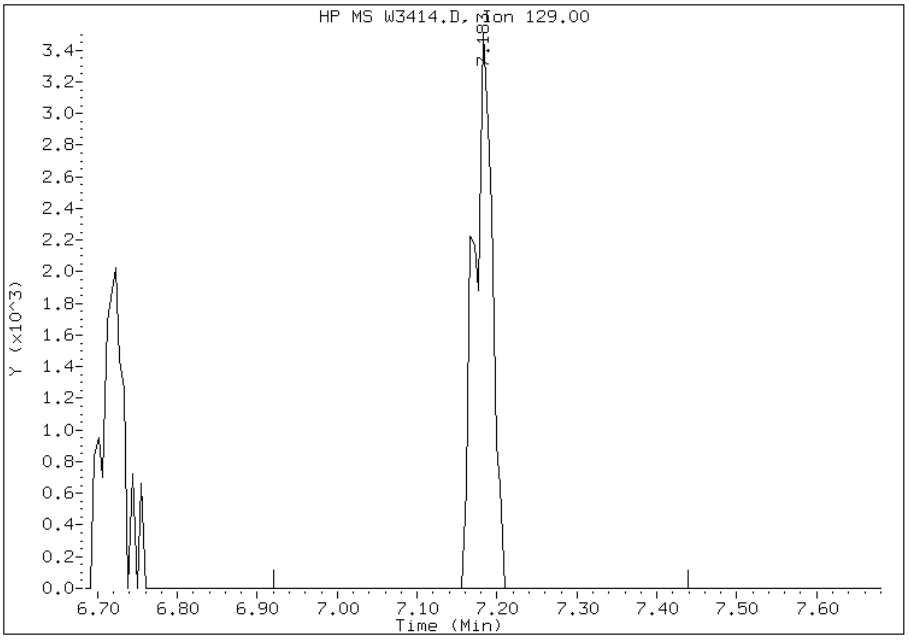
Manual Integration Results

RT: 7.18

Response: 5552

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 47 tert-Amyl methyl ether
CAS #: 994-05-8
Report Date: 07/20/2011

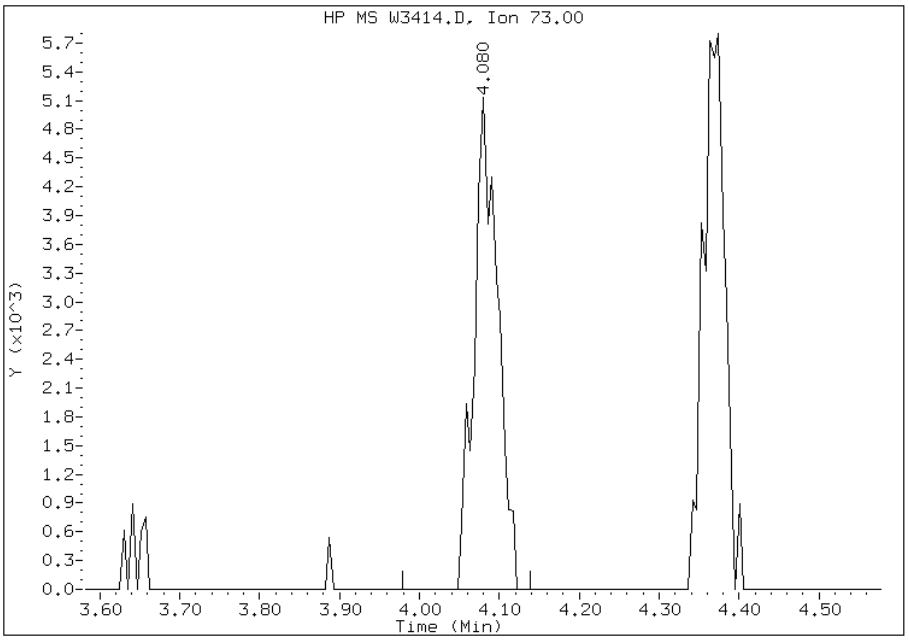
Processing Integration Results

RT: 4.08

Response: 10597

Amount: 0

Conc: 0



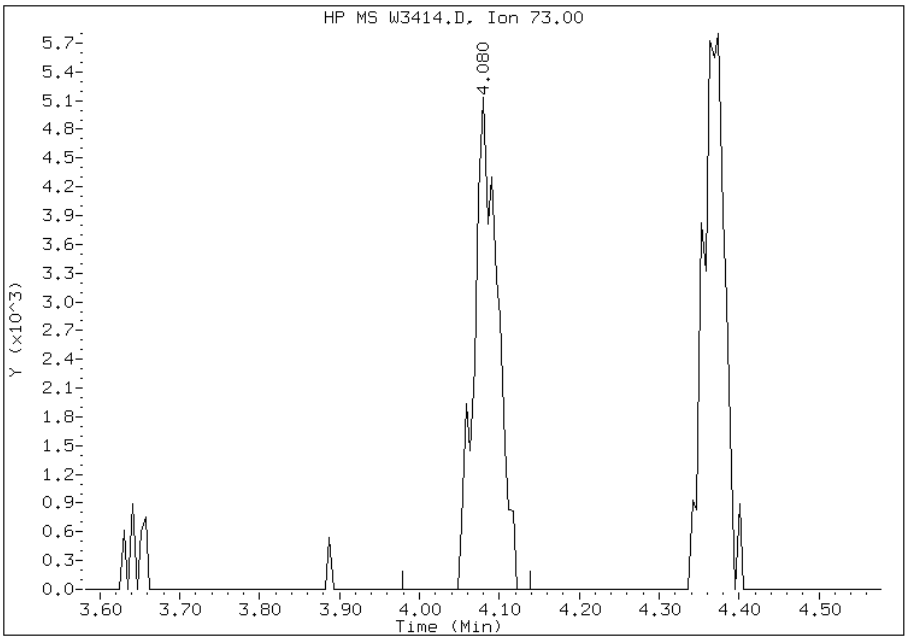
Manual Integration Results

RT: 4.08

Response: 10597

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/20/2011

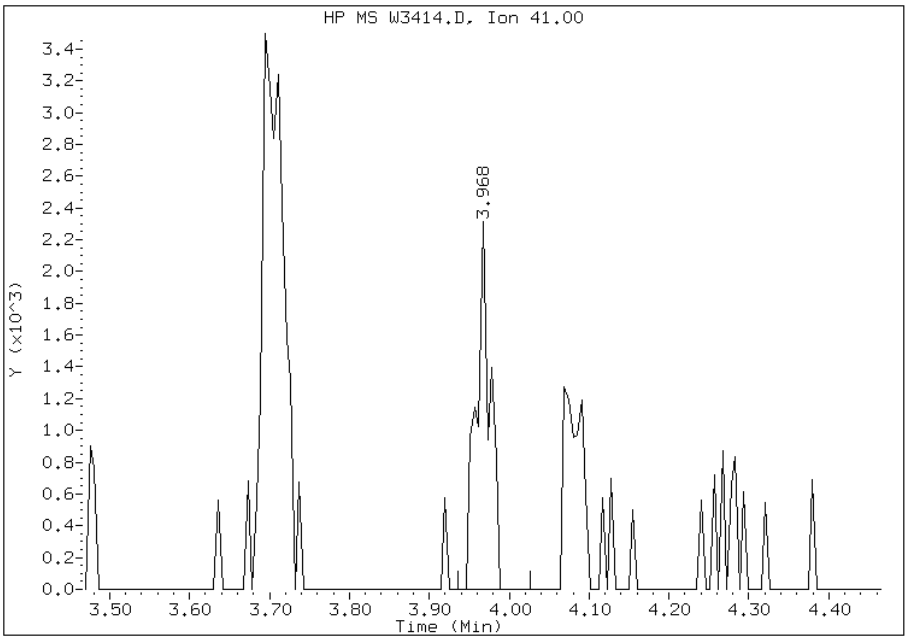
Processing Integration Results

RT: 3.97

Response: 2759

Amount: 0

Conc: 0



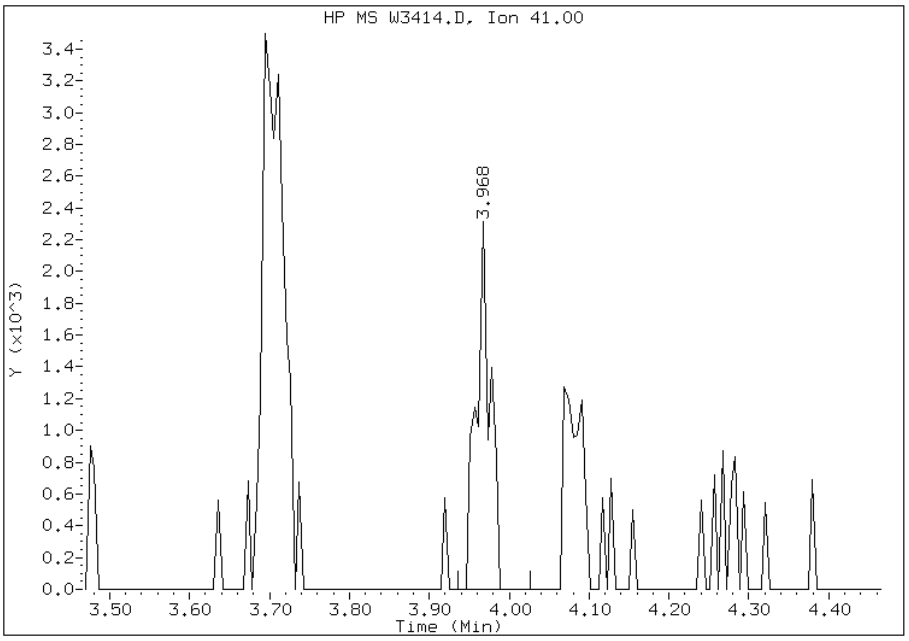
Manual Integration Results

RT: 3.97

Response: 2759

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

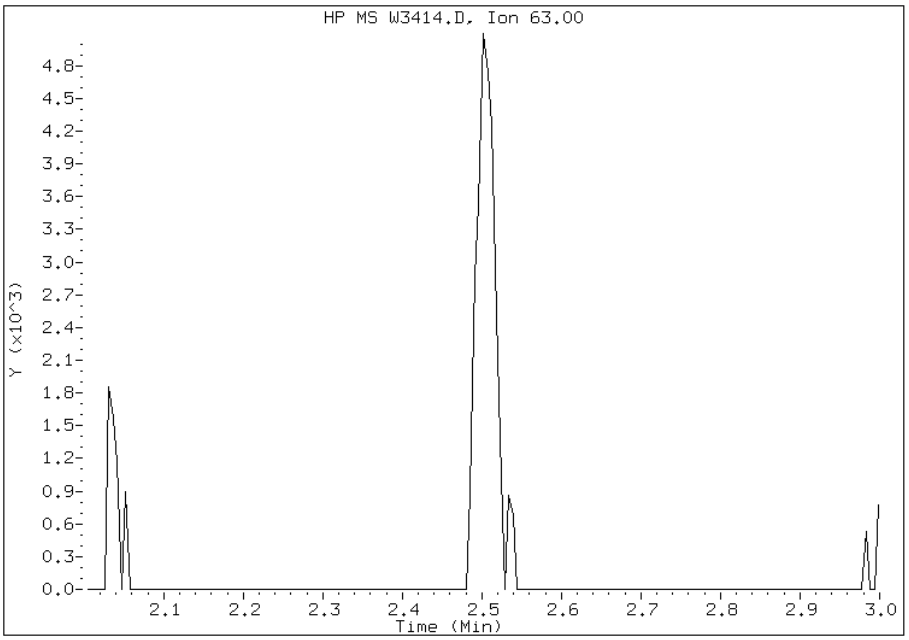
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 2.50



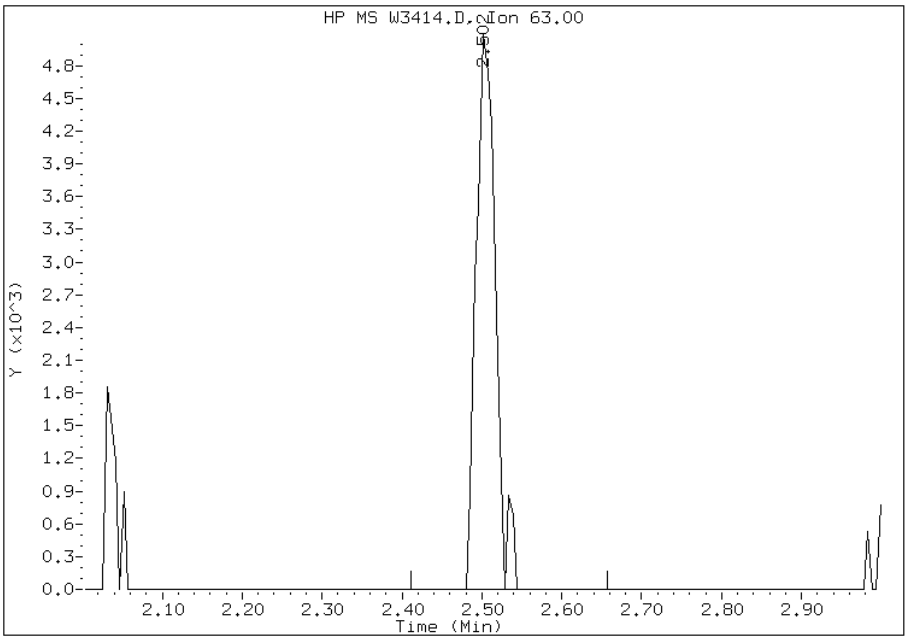
Manual Integration Results

RT: 2.50

Response: 8610

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

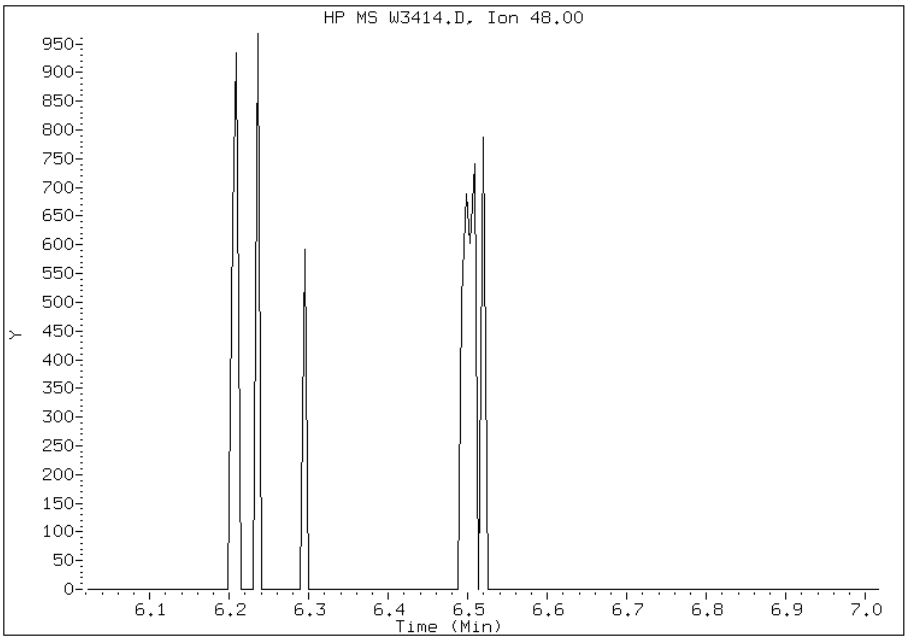
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 71 Chloroacetonitrile
CAS #: 107-14-2
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 6.52



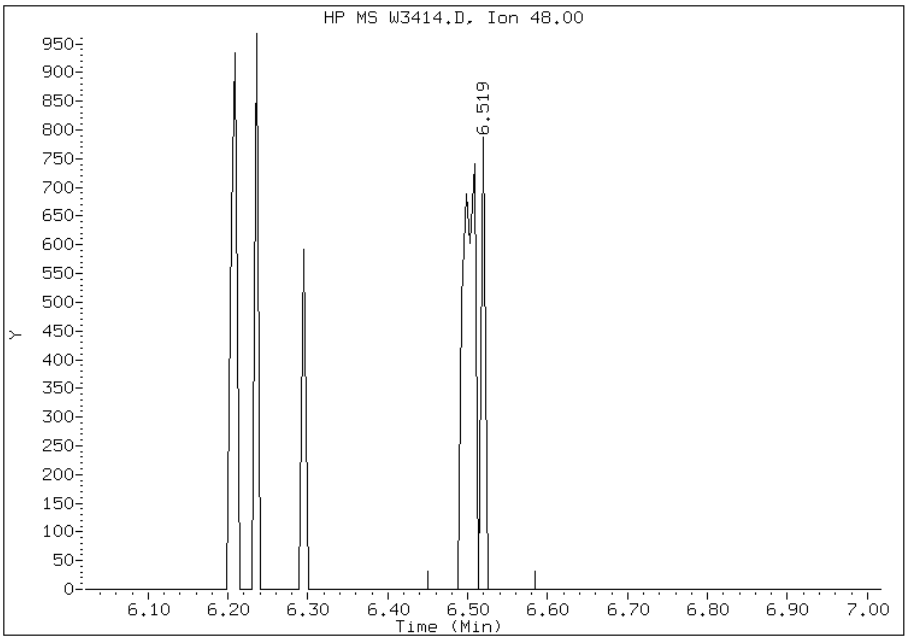
Manual Integration Results

RT: 6.52

Response: 1066

Amount: 12

Conc: 12



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

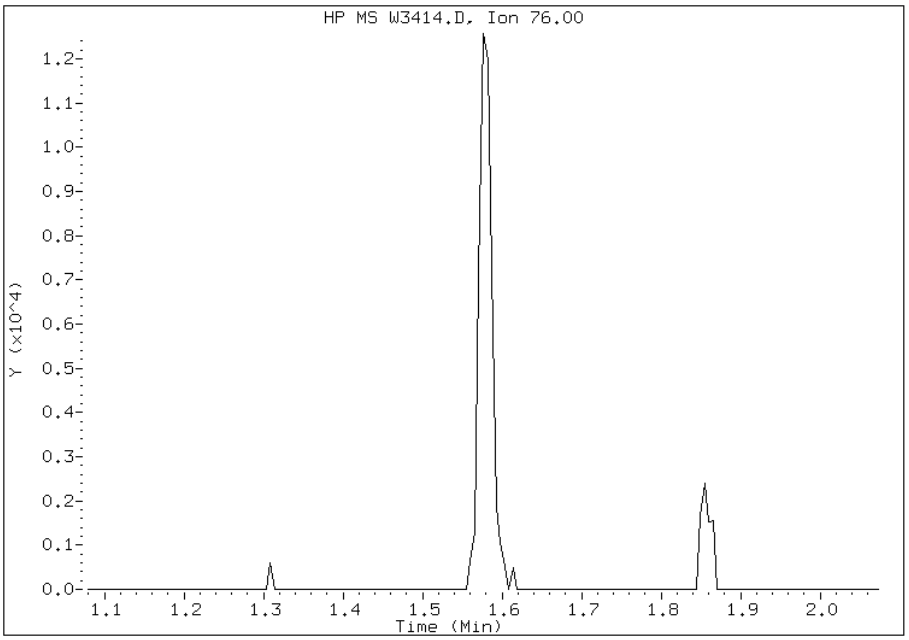
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 15 Carbon Disulfide
CAS #: 75-15-0
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 1.58



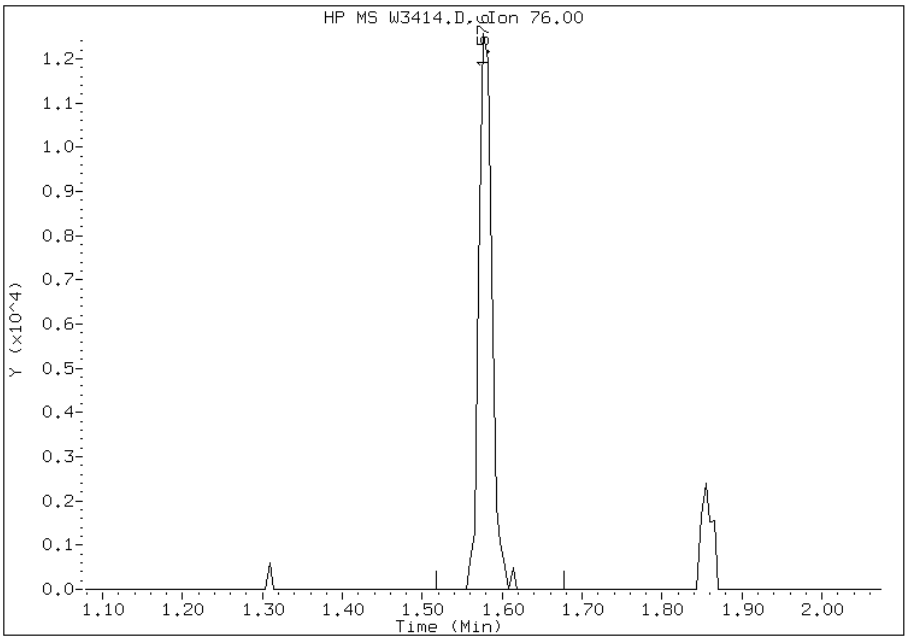
Manual Integration Results

RT: 1.58

Response: 14362

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 18 2-Propanol
CAS #: 67-63-0
Report Date: 07/20/2011

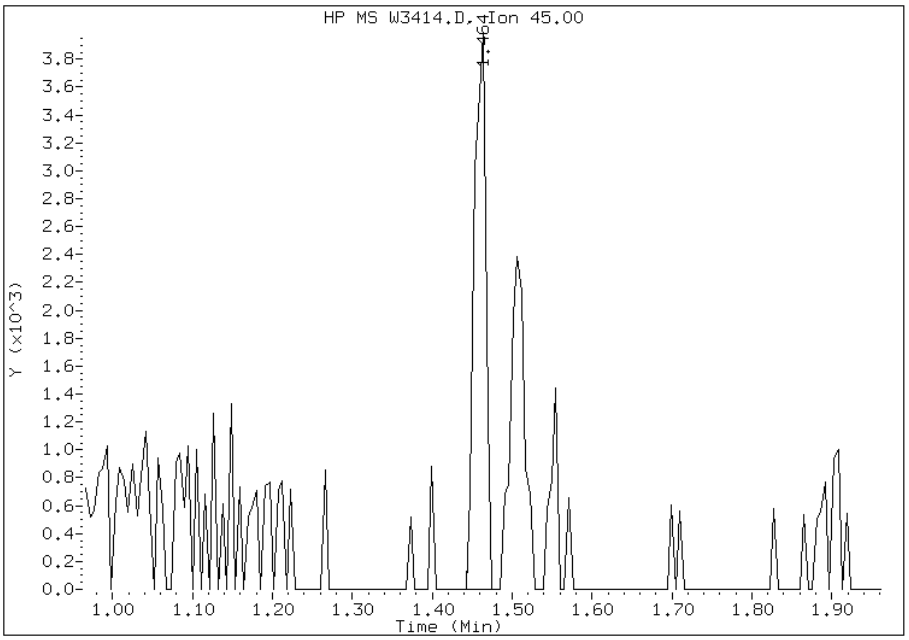
Processing Integration Results

RT: 1.46

Response: 3964

Amount: 2

Conc: 2



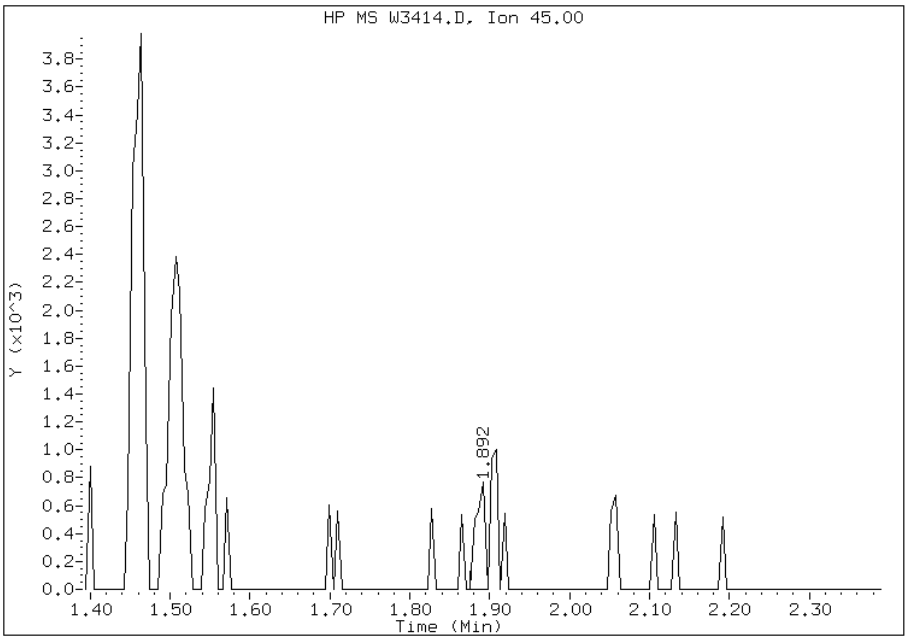
Manual Integration Results

RT: 1.89

Response: 587

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

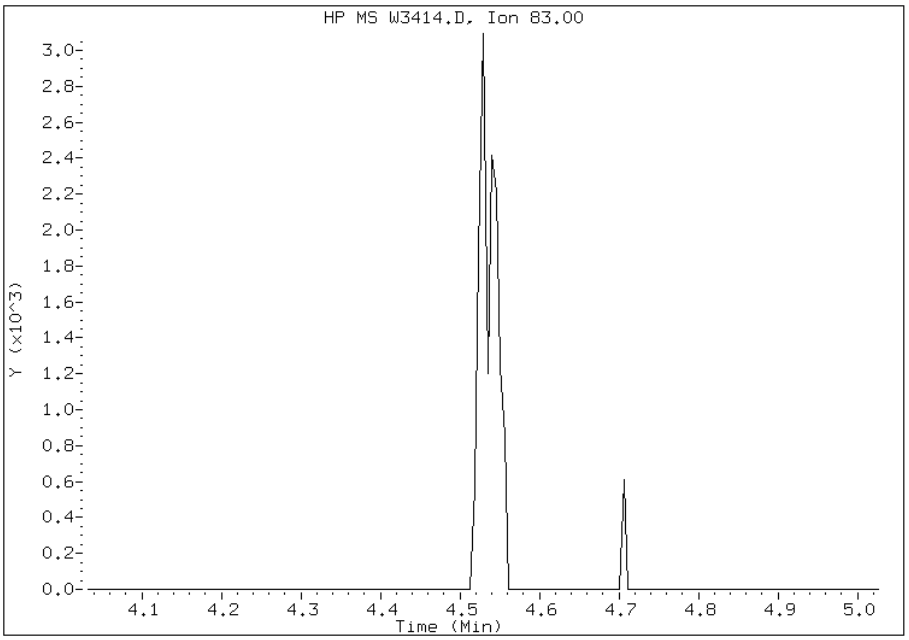
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 59 Methyl Cyclohexane
CAS #: 108-87-2
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 4.53



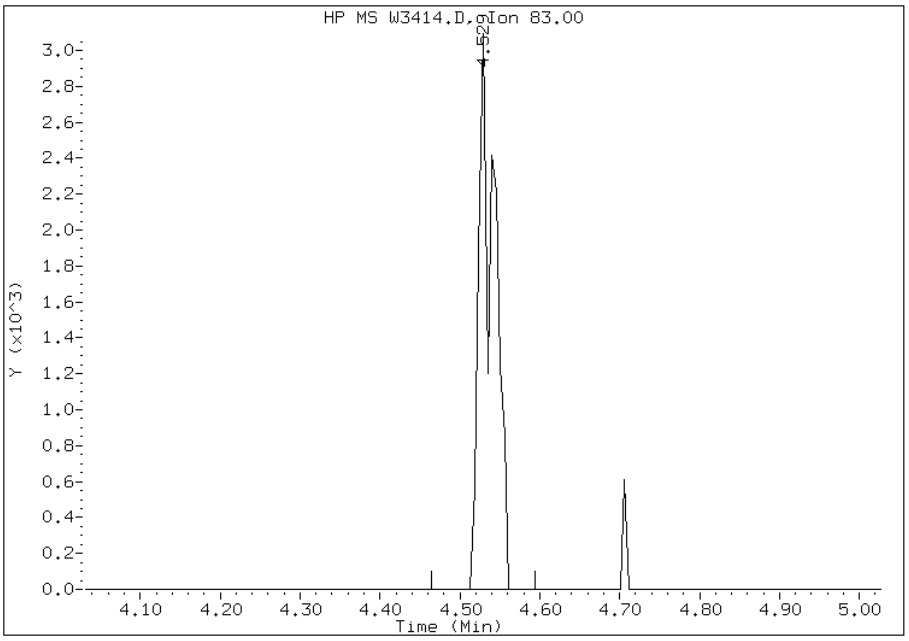
Manual Integration Results

RT: 4.53

Response: 4319

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

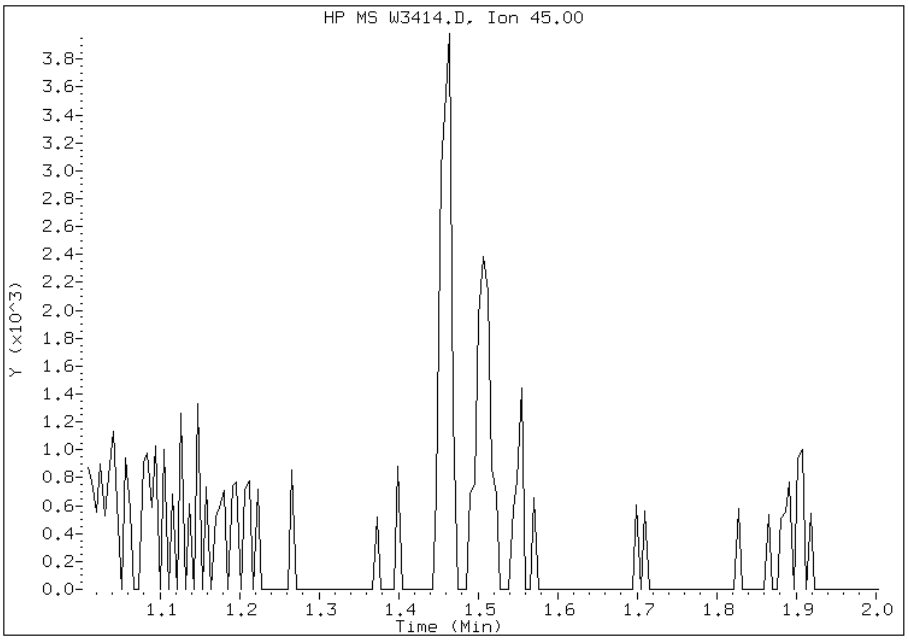
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 10 Ethanol
CAS #: 64-17-5
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 1.51



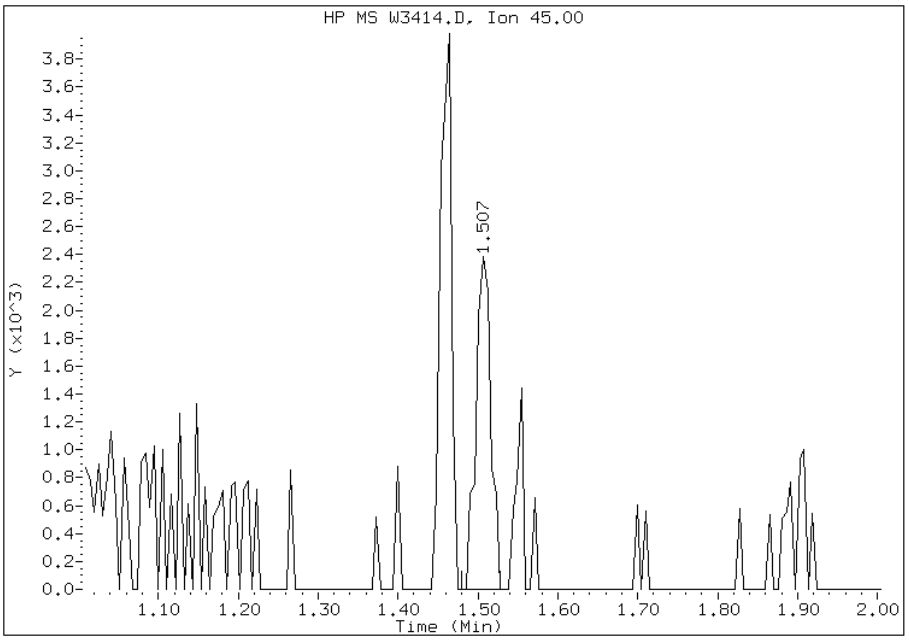
Manual Integration Results

RT: 1.51

Response: 3038

Amount: 18

Conc: 18



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

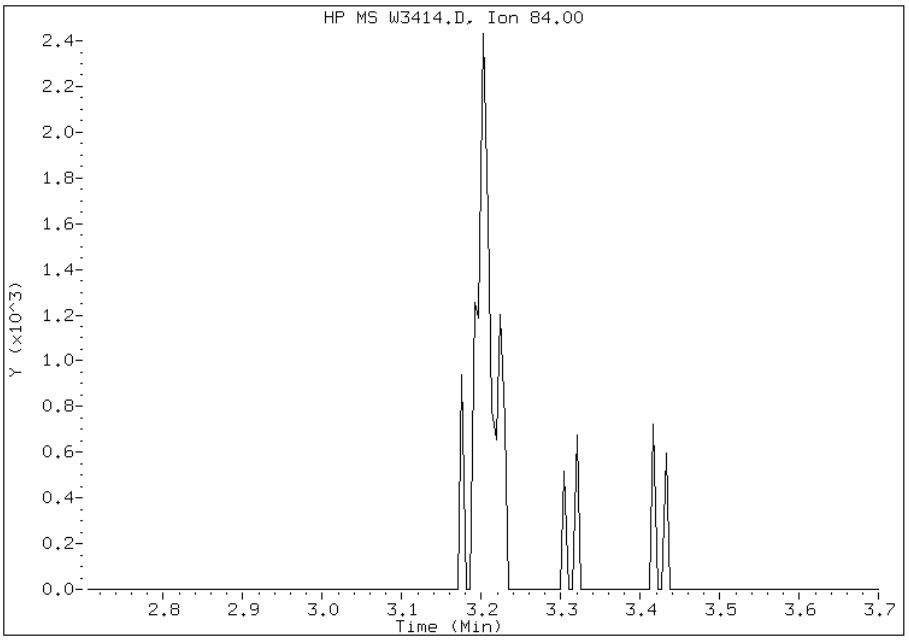
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 37 Cyclohexane
CAS #: 110-82-7
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 3.20



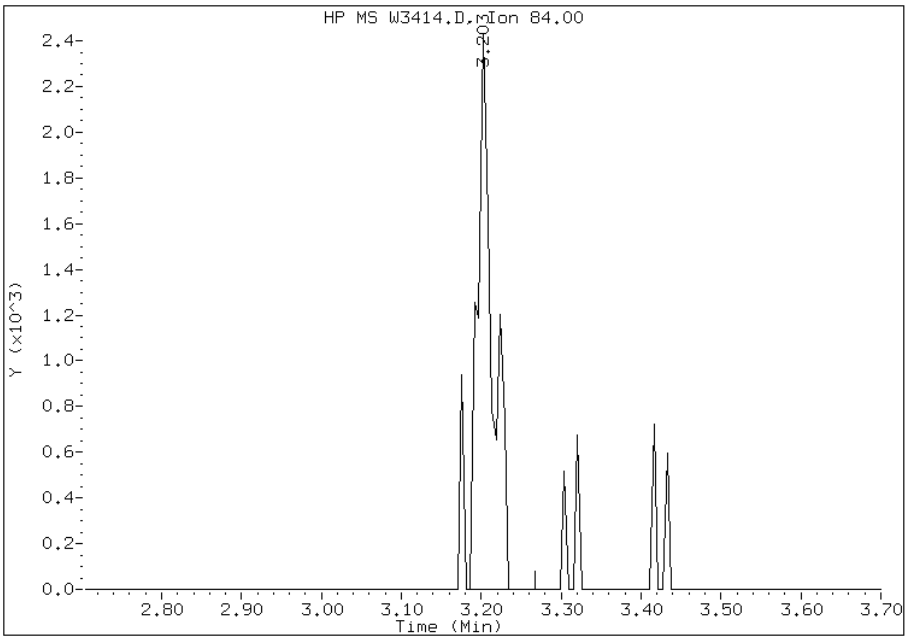
Manual Integration Results

RT: 3.20

Response: 3173

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

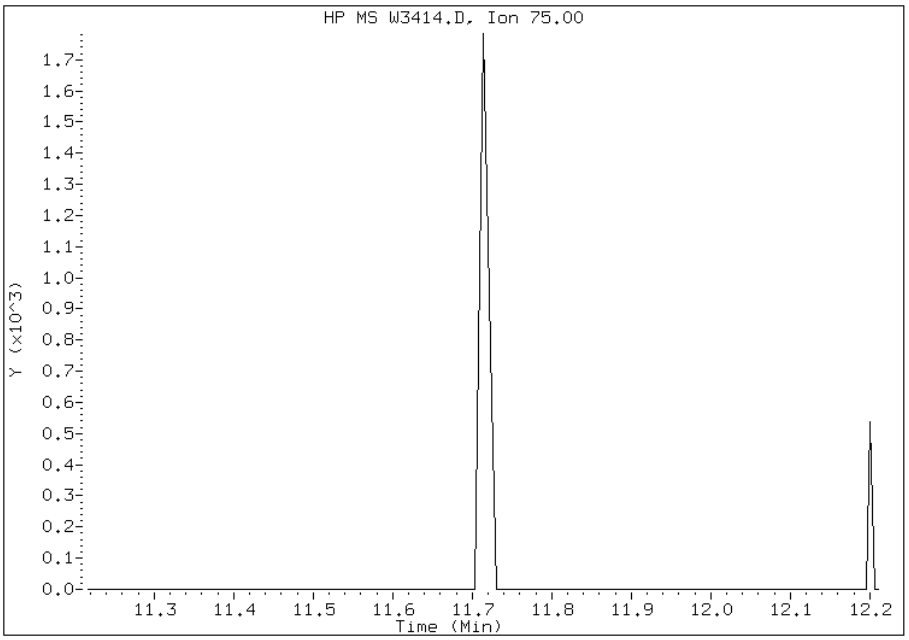
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 119 1,2-Dibromo-3-chloropropane
CAS #: 96-12-8
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 11.71



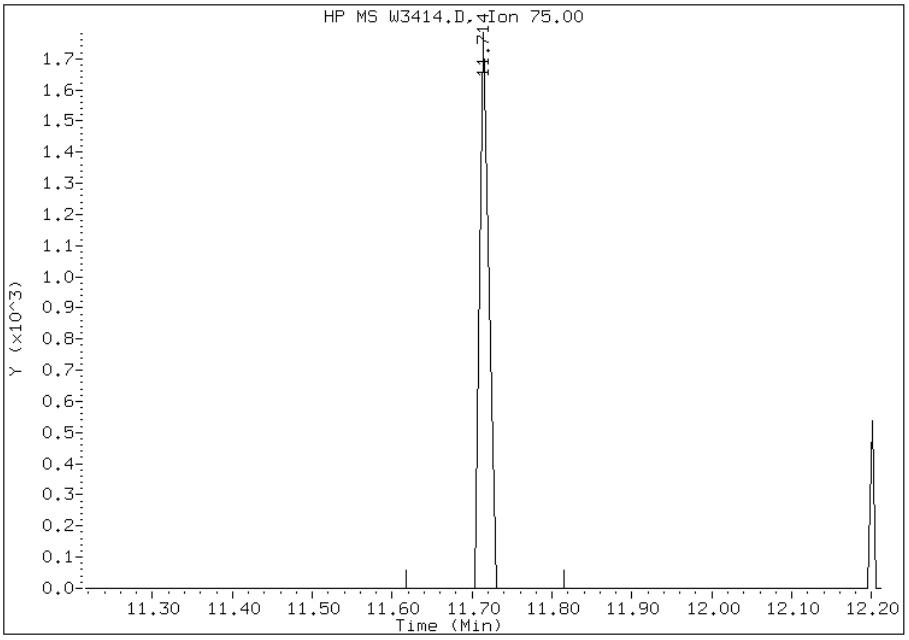
Manual Integration Results

RT: 11.71

Response: 1374

Amount: -0

Conc: -0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

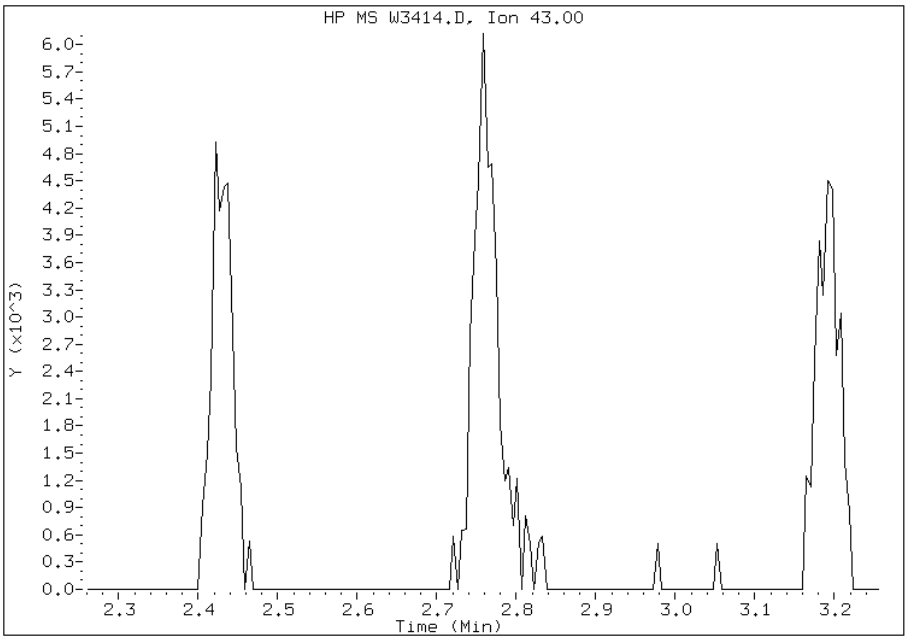
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 32 Vinyl Acetate
CAS #: 108-05-4
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 2.76



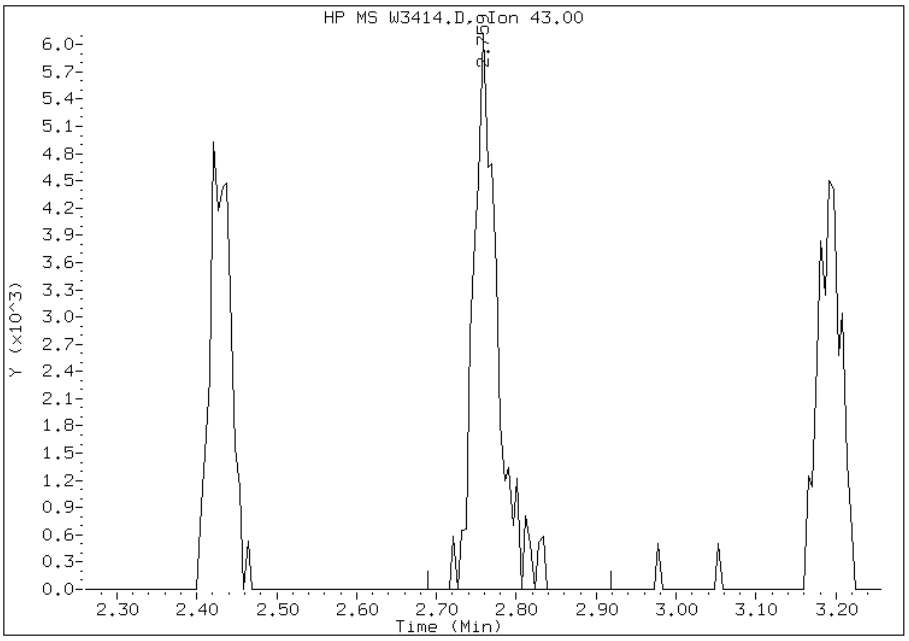
Manual Integration Results

RT: 2.76

Response: 13067

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

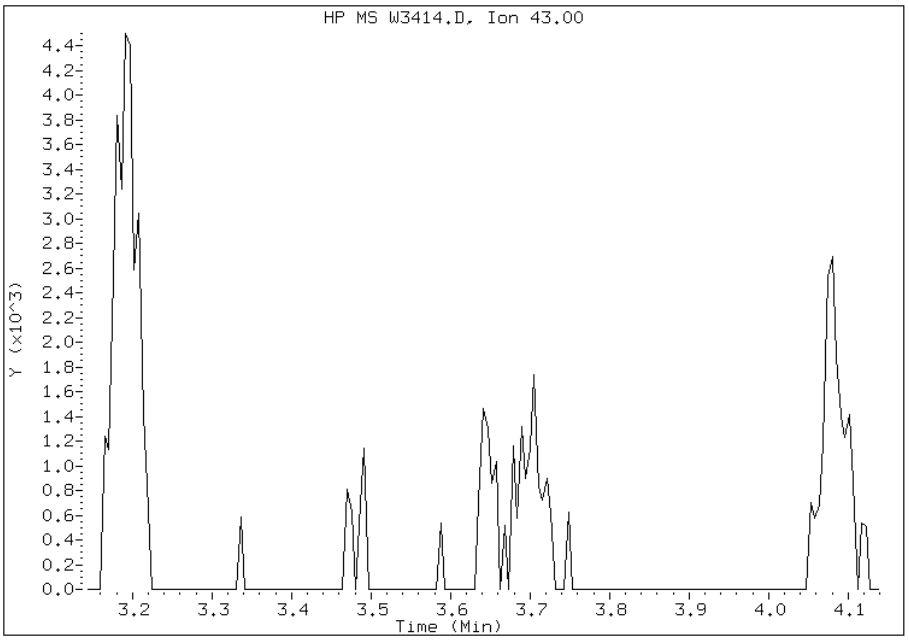
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 45 2-Butanone
CAS #: 78-93-3
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 3.64



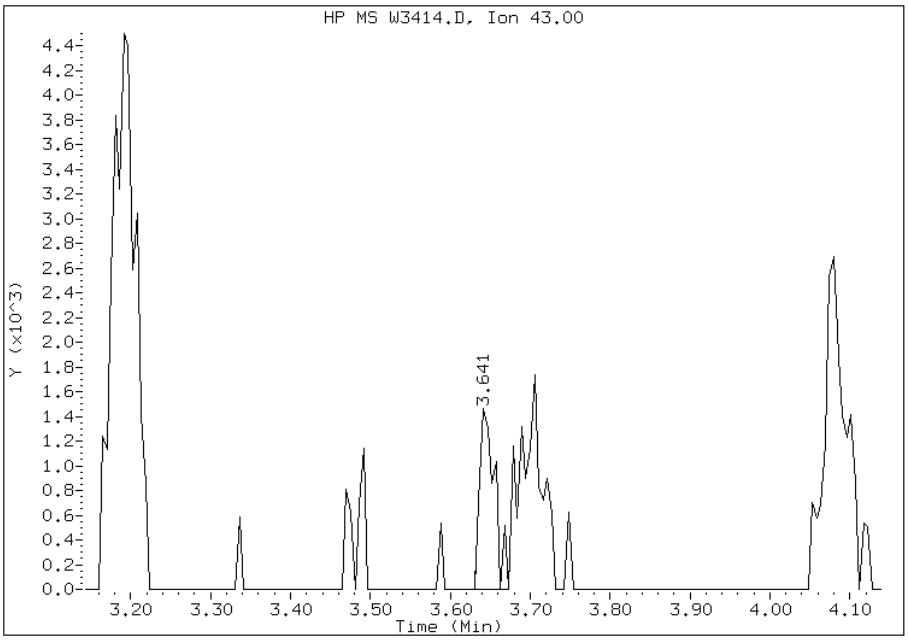
Manual Integration Results

RT: 3.64

Response: 1890

Amount: 0

Conc: 0



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 78 1,1-Dichloro-2-propanone
CAS #: 513-88-2
Report Date: 07/20/2011

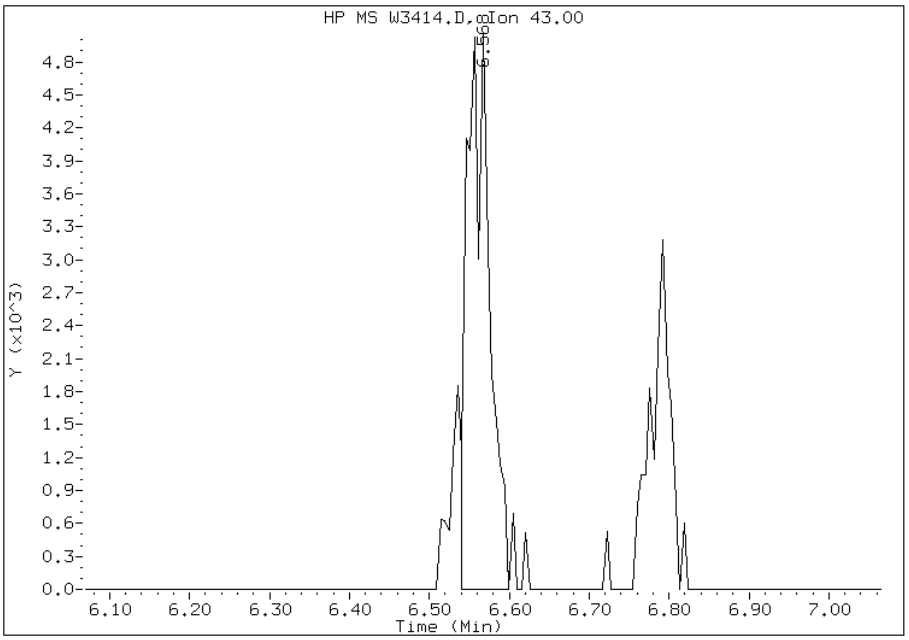
Processing Integration Results

RT: 6.57

Response: 9982

Amount: 2

Conc: 2



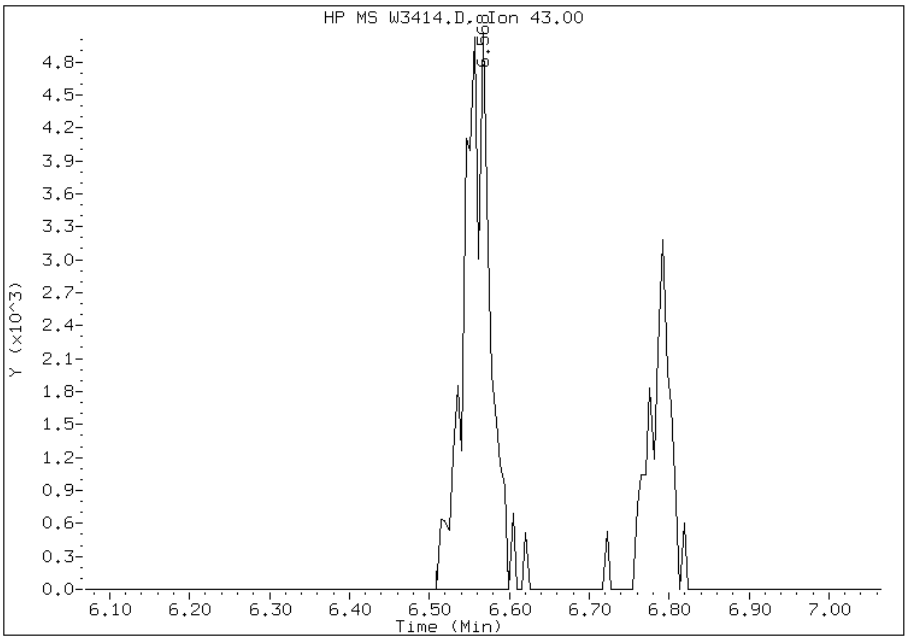
Manual Integration Results

RT: 6.57

Response: 11547

Amount: 3

Conc: 3



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

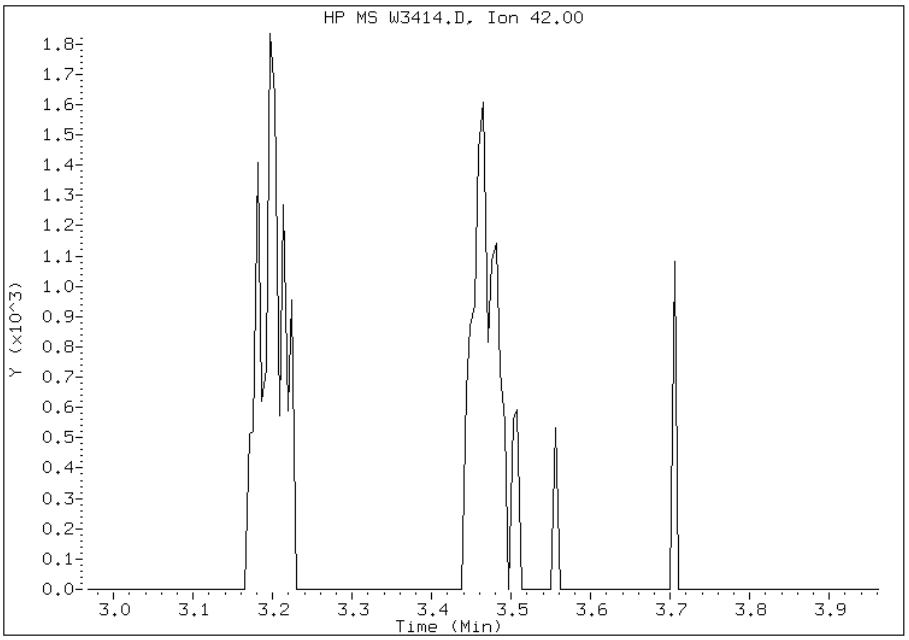
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 42 Tetrahydrofuran
CAS #: 109-99-9
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 3.46



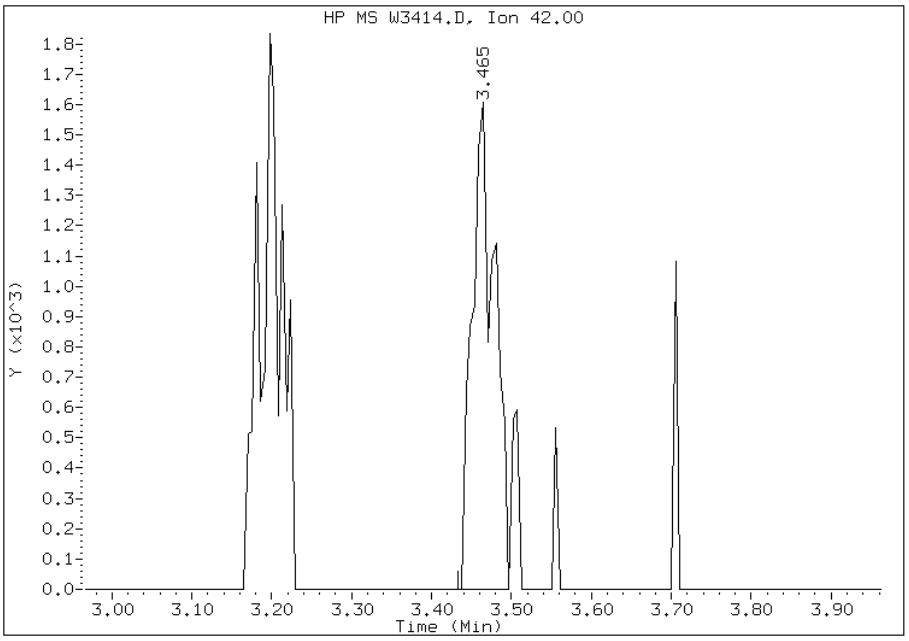
Manual Integration Results

RT: 3.46

Response: 3158

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

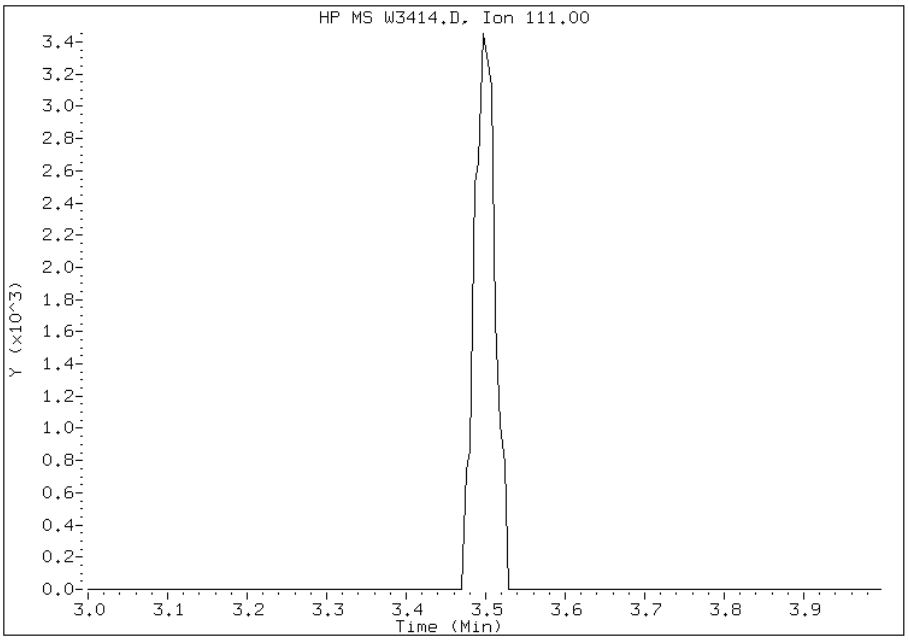
Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 41 Dibromofluoromethane
CAS #: 1868-53-7
Report Date: 07/20/2011

Processing Integration Results

Not Detected

Expected RT: 3.50



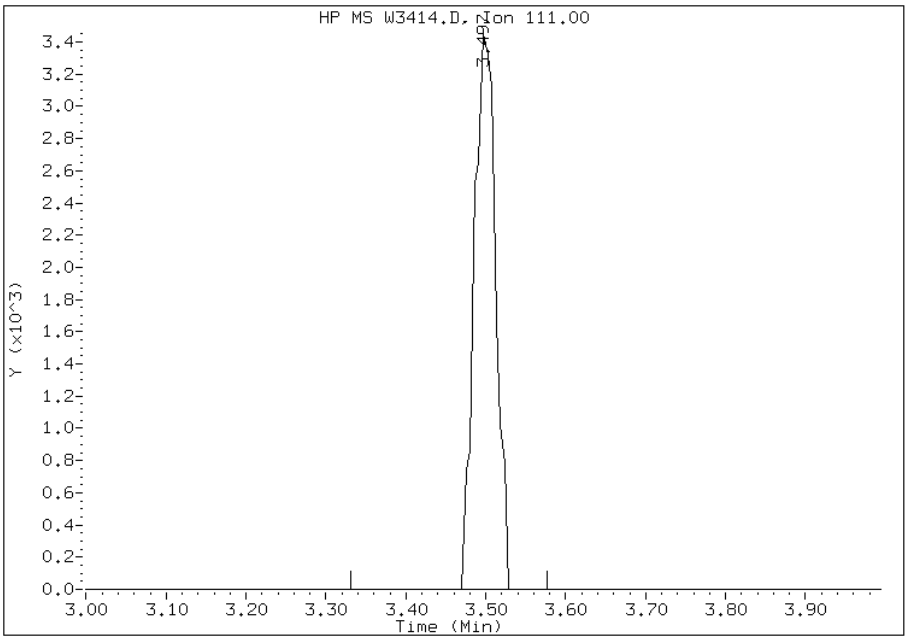
Manual Integration Results

RT: 3.50

Response: 6466

Amount: 1

Conc: 1



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3414.D
Inj. Date and Time: 19-JUL-2011 17:47
Instrument ID: msw.i
Client ID: IC;0.5
Compound: 26 Acetonitrile
CAS #: 75-05-8
Report Date: 07/20/2011

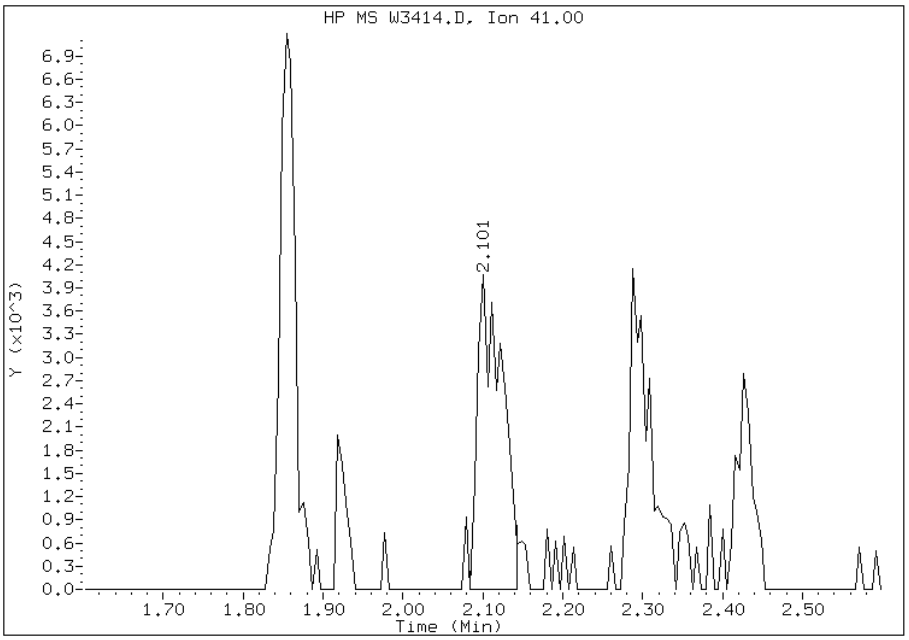
Processing Integration Results

RT: 2.10

Response: 8698

Amount: 7

Conc: 7



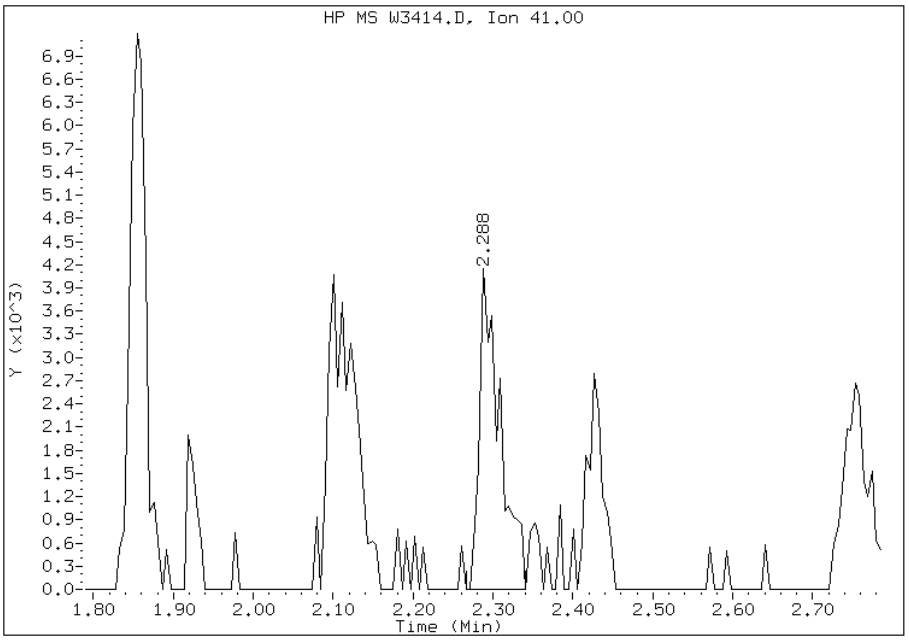
Manual Integration Results

RT: 2.29

Response: 7304

Amount: 7

Conc: 7



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.0690	0.0874		63.3	50.0	26.6	30.0
Chloromethane	Ave	0.5336	0.4481	0.1000	42.0	50.0	-16.0	30.0
Vinyl chloride	Ave	0.3705	0.3360		45.3	50.0	-9.3	20.0
Bromomethane	Ave	0.1637	0.2169		66.3	50.0	32.5*	30.0
Chloroethane	Ave	0.2104	0.2103		50.0	50.0	-0.0	30.0
Trichlorofluoromethane	Ave	0.3370	0.3426		50.8	50.0	1.7	30.0
Dichlorofluoromethane	Ave	0.5344	0.6025		56.4	50.0	12.7	30.0
Ethyl ether	Ave	0.2839	0.3095		54.5	50.0	9.0	30.0
Ethanol	Ave	0.0178	0.0213		597	500	19.5	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.0864	0.0965		55.9	50.0	11.7	30.0
1,1-Dichloroethene	Ave	0.2771	0.2852		51.5	50.0	2.9	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3335	0.3519		52.8	50.0	5.5	30.0
Carbon disulfide	Ave	1.162	1.085		46.7	50.0	-6.7	30.0
Iodomethane	Ave	0.3645	0.3326		45.6	50.0	-8.8	30.0
Isopropyl alcohol	Ave	0.0357	0.0427		60.0	50.1	19.7	30.0
Acrolein	Ave	0.0737	0.0360		122	250	-51.1*	30.0
3-Chloro-1-propene	Ave	0.6948	0.7379		53.1	50.0	6.2	30.0
Methylene Chloride	Ave	0.4752	0.4483		47.2	50.0	-5.7	30.0
Acetone	Ave	0.2567	0.3209		62.5	50.0	25.0	30.0
Methyl acetate	Qua	2.490	2.666		62.0	50.0	23.9	30.0
trans-1,2-Dichloroethene	Ave	0.3260	0.3556		54.5	50.0	9.1	30.0
Methyl tert-butyl ether	Ave	0.9544	0.9800		51.3	50.0	2.7	30.0
tert-Butyl alcohol	Ave	0.0626	0.0619		247	250	-1.1	30.0
Acetonitrile	Ave	0.0581	0.0589		506	499	1.4	30.0
Isopropyl ether	Ave	1.621	1.732		53.4	50.0	6.8	30.0
2-Chloro-1,3-butadiene	Ave	0.3135	0.3084		49.2	50.0	-1.7	30.0
1,1-Dichloroethane	Ave	0.6601	0.6854	0.1000	51.9	50.0	3.8	30.0
Acrylonitrile	Ave	0.2094	0.2244		107	100	7.1	30.0
Tert-butyl ethyl ether	Ave	1.217	1.250		51.4	50.0	2.7	30.0
Vinyl acetate	Ave	1.075	0.7412		34.5	50.0	-31.0*	30.0
cis-1,2-Dichloroethene	Ave	0.3798	0.3973		52.3	50.0	4.6	30.0
2,2-Dichloropropane	Ave	0.4228	0.4315		51.0	50.0	2.1	30.0
Bromochloromethane	Ave	0.1961	0.1959		50.0	50.0	-0.1	30.0
Cyclohexane	Ave	0.5243	0.5486		52.3	50.0	4.6	30.0
Chloroform	Ave	0.5409	0.5671		52.4	50.0	4.8	20.0
Ethyl acetate	Lin	0.0454	0.0309		84.9	100	-15.1	30.0
Methyl acrylate	Ave	0.4428	0.4740		53.5	50.0	7.0	30.0
Carbon tetrachloride	Ave	0.3326	0.3437		51.7	50.0	3.3	30.0
Tetrahydrofuran	Ave	0.1897	0.2080		110	100	9.6	30.0
1,1,1-Trichloroethane	Ave	0.4060	0.4262		52.5	50.0	5.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Butanone (MEK)	Ave	0.3356	0.4017		59.8	50.0	19.7	30.0
1,1-Dichloropropene	Ave	0.4658	0.4863		52.2	50.0	4.4	30.0
1-Chlorobutane	Ave	0.7698	0.7908		51.4	50.0	2.7	30.0
Benzene	Ave	1.342	1.360		50.7	50.0	1.4	30.0
Propionitrile	Ave	0.0705	0.0750		532	500	6.5	30.0
Methacrylonitrile	Ave	0.3282	0.3681		56.1	50.0	12.2	30.0
Tert-amyl methyl ether	Ave	0.9846	0.999		50.7	50.0	1.5	30.0
1,2-Dichloroethane	Ave	0.3936	0.4079		51.8	50.0	3.6	30.0
Isobutyl alcohol	Ave	0.0177	0.0174		493	499	-1.3	30.0
Methylcyclohexane	Ave	0.5995	0.6078		50.7	50.0	1.4	30.0
Trichloroethene	Ave	0.3467	0.3410		49.2	50.0	-1.6	30.0
Dibromomethane	Ave	0.2299	0.2425		52.7	50.0	5.5	30.0
1,2-Dichloropropane	Ave	0.4134	0.4230		51.2	50.0	2.3	20.0
Bromodichloromethane	Ave	0.3811	0.3999		52.5	50.0	4.9	30.0
Methyl methacrylate	Ave	0.3117	0.3314		53.2	50.0	6.3	30.0
1,4-Dioxane	Ave	0.0033	0.0037		559	499	12.1	30.0
2-Chloroethyl vinyl ether	Ave	0.2060	0.2035		49.3	49.9	-1.2	30.0
cis-1,3-Dichloropropene	Ave	0.5438	0.5562		51.1	50.0	2.3	30.0
Toluene	Ave	1.654	1.610		48.7	50.0	-2.6	20.0
Chloroacetonitrile	Ave	0.0189	0.0203		537	500	7.4	30.0
2-Nitropropane	Ave	0.0955	0.1000		105	100	4.7	30.0
1,1-Dichloro-2-propanone	Ave	0.3535	0.3699		262	250	4.7	30.0
methyl isobutyl ketone	Ave	0.6700	0.6935		51.8	50.0	3.5	30.0
Tetrachloroethene	Ave	0.2900	0.2794		48.2	50.0	-3.6	30.0
trans-1,3-Dichloropropene	Ave	0.4693	0.4813		51.3	50.0	2.6	30.0
1,1,2-Trichloroethane	Ave	0.3015	0.3260		54.1	50.0	8.1	30.0
Ethyl methacrylate	Ave	0.5523	0.5467		49.5	50.0	-1.0	30.0
Dibromochloromethane	Ave	0.3975	0.3920		49.3	50.0	-1.4	30.0
1,3-Dichloropropane	Ave	0.6679	0.6814		51.0	50.0	2.0	30.0
1,2-Dibromoethane	Ave	0.4349	0.4344		49.9	50.0	-0.1	30.0
2-Hexanone	Ave	0.5193	0.5503		53.0	50.0	6.0	30.0
Chlorobenzene	Ave	1.118	1.092	0.3000	48.9	50.0	-2.3	30.0
1-Chlorohexane	Ave	0.6220	0.6193		49.8	50.0	-0.4	30.0
Ethylbenzene	Ave	0.5708	0.5589		49.0	50.0	-2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3500	0.3322		47.5	50.0	-5.1	30.0
m&p-Xylene	Ave	0.7154	0.7048		98.5	100	-1.5	30.0
o-Xylene	Ave	0.6821	0.6722		49.3	50.0	-1.4	30.0
Styrene	Ave	1.137	1.106		48.6	50.0	-2.8	30.0
Bromoform	Ave	0.2202	0.2275	0.1000	51.7	50.0	3.3	30.0
Isopropylbenzene	Ave	4.080	3.885		47.6	50.0	-4.8	30.0
Bromobenzene	Ave	0.9818	0.9283		47.3	50.0	-5.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53434/1 Calibration Date: 07/27/2011 09:47

Instrument ID: MSN Calib Start Date: 07/13/2011 17:15

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/13/2011 19:37

Lab File ID: N3997.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	5.095	4.981		48.9	50.0	-2.2	30.0
1,1,2,2-Tetrachloroethane	Ave	1.290	1.279	0.3000	49.6	50.0	-0.8	30.0
4-Ethyltoluene	Ave	4.239	4.047		47.7	50.0	-4.6	30.0
2-Chlorotoluene	Ave	3.291	3.217		48.9	50.0	-2.3	30.0
1,2,3-Trichloropropane	Ave	0.3599	0.3571		49.6	50.0	-0.8	30.0
1,3,5-Trimethylbenzene	Ave	3.346	3.249		48.5	50.0	-2.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3431	0.3394		98.9	100	-1.1	30.0
4-Chlorotoluene	Ave	2.935	2.858		48.7	50.0	-2.6	30.0
tert-Butylbenzene	Ave	2.933	2.789		47.5	50.0	-4.9	30.0
1,2,4-Trimethylbenzene	Ave	3.353	3.270		48.7	50.0	-2.5	30.0
sec-Butylbenzene	Ave	4.669	4.512		48.3	50.0	-3.4	30.0
p-Isopropyltoluene	Ave	3.655	3.416		46.7	50.0	-6.6	30.0
1,3-Dichlorobenzene	Ave	1.753	1.607		45.8	50.0	-8.3	30.0
1,4-Dichlorobenzene	Ave	1.786	1.613		45.1	50.0	-9.7	30.0
p-Diethylbenzene	Ave	1.793	1.698		47.3	50.0	-5.3	30.0
Benzyl chloride	Ave	0.3844	0.3367		43.8	50.0	-12.4	30.0
n-Butylbenzene	Ave	5.460	4.974		45.6	50.0	-8.9	30.0
1,2-Dichlorobenzene	Ave	1.623	1.527		47.0	50.0	-5.9	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.890	2.702		46.7	50.0	-6.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1590	0.1624		51.1	50.0	2.2	30.0
Nitrobenzene	Ave	0.0542	0.0339		313	500	-37.5*	30.0
Hexachlorobutadiene	Ave	0.5177	0.4585		44.3	50.0	-11.4	30.0
1,2,4-Trichlorobenzene	Ave	1.003	0.9511		47.4	50.0	-5.1	30.0
Naphthalene	Ave	2.861	2.492		43.5	50.0	-12.9	30.0
1,2,3-Trichlorobenzene	Ave	0.9034	0.8591		47.6	50.0	-4.9	30.0
Dibromofluoromethane	Ave	0.3707	0.3296		22.2	25.0	-11.1	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3266	0.2905		22.2	25.0	-11.1	30.0
Toluene-d8 (Surr)	Ave	1.439	1.292		22.4	25.0	-10.2	30.0
4-Bromofluorobenzene	Ave	1.245	1.224		24.6	25.0	-1.7	30.0

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N3997.D
Lab Smp Id: CCVIS-632363 Client Smp ID: CCVIS-632363
Inj Date : 27-JUL-2011 09:47 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : CCVIS-632363
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 58 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
* 1	Fluorobenzene	96	4.785	4.785	(1.000)	623962	25.0000	
2	Dichlorodifluoromethane	85	1.199	1.199	(0.251)	109075	50.0000	63
3	Chloromethane	50	1.268	1.268	(0.265)	559138	50.0000	42
4	Vinyl Chloride	62	1.307	1.307	(0.273)	419234	50.0000	45
5	Bromomethane	94	1.485	1.485	(0.310)	270675	50.0000	66(M)
6	Chloroethane	64	1.544	1.544	(0.323)	262468	50.0000	50
7	Trichlorofluoromethane	101	1.622	1.622	(0.339)	427570	50.0000	51
8	Dichlorofluoromethane	67	1.642	1.642	(0.343)	751812	50.0000	56
9	Ethyl Ether	45	1.780	1.780	(0.372)	386276	50.0000	54
10	Ethanol	45	1.839	1.839	(0.384)	265549	500.000	600
12	Freon 123	67	1.908	1.908	(0.399)	120423	50.0000	56(M)
13	Trichlorotrifluoroethane	101	1.918	1.918	(0.401)	439183	50.0000	53
14	1,1-Dichloroethene	96	1.908	1.908	(0.399)	355917	50.0000	51
15	Carbon Disulfide	76	1.938	1.938	(0.405)	1353519	50.0000	47
16	Iodomethane	142	2.007	2.007	(0.419)	414996	50.0000	46
17	Acrolein	56	2.105	2.105	(0.440)	225064	250.000	120
18	2-Propanol	45	2.026	2.026	(0.424)	53434	50.0000	60
19	3-Chloro-1-Propene	41	2.194	2.194	(0.459)	920818	50.0000	53
20	Methylene Chloride	84	2.263	2.263	(0.473)	559382	50.0000	47
21	Acetone	43	2.283	2.283	(0.477)	400399	50.0000	62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	22 trans-1,2-Dichloroethene	96	2.371	2.371	(0.496)	443700	50.0000	54
	23 Methyl Acetate	43	2.361	2.361	(0.494)	3327206	50.0000	62
	24 Methyl tert-Butyl Ether	73	2.430	2.430	(0.508)	1222986	50.0000	51
	25 tert-Butyl alcohol	59	2.480	2.480	(0.518)	386304	250.000	250(M)
	26 Acetonitrile	41	2.627	2.627	(0.549)	733450	500.000	500
	27 Isopropyl ether	45	2.706	2.706	(0.566)	2160874	50.0000	53
	28 tert-Butyl ethyl ether	59	3.021	3.021	(0.631)	1560424	50.0000	51
	29 2-Chloro-1,3-Butadiene	88	2.815	2.815	(0.588)	384798	50.0000	49
	30 Acrylonitrile	53	2.874	2.874	(0.601)	559964	100.000	110
	31 1,1-Dichloroethane	63	2.834	2.834	(0.592)	855298	50.0000	52
	32 Vinyl Acetate	43	3.031	3.031	(0.634)	924304	50.0000	34
	33 cis-1,2-Dichloroethene	96	3.317	3.317	(0.693)	495735	50.0000	52
	34 2,2-Dichloropropane	77	3.435	3.435	(0.718)	538524	50.0000	51
	35 Bromochloromethane	128	3.524	3.524	(0.736)	244517	50.0000	50
	37 Cyclohexane	84	3.544	3.544	(0.741)	684578	50.0000	52
	38 Chloroform	83	3.603	3.603	(0.753)	707714	50.0000	52
	39 Ethyl Acetate	43	3.731	3.731	(0.780)	77015	100.000	85
	40 Methyl Acrylate	55	3.741	3.741	(0.782)	591508	50.0000	54
$	41 Dibromofluoromethane	111	3.810	3.810	(0.796)	205681	25.0000	22
	42 Tetrahydrofuran	42	3.780	3.780	(0.790)	519006	100.000	110
	43 Carbon Tetrachloride	117	3.770	3.770	(0.788)	428901	50.0000	52
	44 1,1,1-Trichloroethane	97	3.839	3.839	(0.802)	531897	50.0000	52
	45 2-Butanone	43	3.947	3.947	(0.825)	501227	50.0000	60
	46 1,1-Dichloropropene	75	3.987	3.987	(0.833)	606818	50.0000	52
	47 tert-Amyl methyl ether	73	4.440	4.440	(0.928)	1246609	50.0000	51
	49 1-Chlorobutane	56	4.056	4.056	(0.848)	986815	50.0000	51
	51 Propionitrile	54	4.312	4.312	(0.901)	936378	500.000	530
	52 Benzene	78	4.292	4.292	(0.897)	1697342	50.0000	51
	53 2-Methyl-2-Propenenitrile	41	4.342	4.342	(0.907)	459391	50.0000	56
	54 Isobutyl alcohol	42	4.578	4.578	(0.957)	217413	500.000	490
$	55 1,2-Dichloroethane-d4	65	4.450	4.450	(0.930)	181230	25.0000	22
	56 1,2-Dichloroethane	62	4.529	4.529	(0.946)	509077	50.0000	52
	59 Methyl Cyclohexane	83	4.972	4.972	(1.039)	758487	50.0000	51
	60 Trichloroethene	130	4.982	4.982	(1.041)	425575	50.0000	49
	63 Dibromomethane	93	5.425	5.425	(1.134)	302650	50.0000	53
	64 1,2-Dichloropropane	63	5.534	5.534	(1.156)	527907	50.0000	51
	65 Bromodichloromethane	83	5.612	5.612	(1.173)	499100	50.0000	52
	66 Methyl Methacrylate	69	5.800	5.800	(1.212)	413550	50.0000	53
	67 1,4-Dioxane	58	5.819	5.819	(1.216)	46428	500.000	560(M)
	69 2-Chloroethylvinylether	63	6.204	6.204	(1.296)	253535	50.0000	49
	174 Ethyl acrylate	55	5.583	5.583	(1.167)	653915	50.0000	41
	70 cis-1,3-Dichloropropene	75	6.253	6.253	(1.307)	694057	50.0000	51
	71 Chloroacetonitrile	48	6.627	6.627	(1.385)	252910	500.000	540
	72 2-Nitropropane	41	6.696	6.696	(1.399)	249591	100.000	100
	73 trans-1,3-Dichloropropene	75	6.883	6.883	(1.439)	600656	50.0000	51
	74 1,1,2-Trichloroethane	97	7.031	7.031	(1.469)	406859	50.0000	54
*	75 Chlorobenzene-d5	117	7.868	7.868	(1.000)	540501	25.0000	
	76 Toluene	91	6.479	6.479	(0.823)	1740925	50.0000	49
$	77 Toluene-d8	98	6.430	6.430	(0.817)	698399	25.0000	22
	78 1,1-Dichloro-2-propanone	43	6.716	6.716	(0.854)	1999472	250.000	260
	79 4-Methyl-2-Pentanone	43	6.854	6.854	(0.871)	749655	50.0000	52
	80 Tetrachloroethene	164	6.854	6.854	(0.871)	302064	50.0000	48
	81 Ethyl Methacrylate	69	7.061	7.061	(0.897)	590966	50.0000	49
	82 Dibromochloromethane	129	7.189	7.189	(0.914)	423732	50.0000	49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
83	1,3-Dichloropropane	76	7.277	7.277	(0.925)	736537	50.0000	51
84	1,2-Dibromoethane	107	7.396	7.396	(0.940)	469547	50.0000	50
86	2-Hexanone	43	7.632	7.632	(0.970)	594898	50.0000	53
87	1-Chlorohexane	91	7.888	7.888	(1.002)	669434	50.0000	50
88	Chlorobenzene	112	7.878	7.878	(1.001)	1180395	50.0000	49
89	1,1,1,2-Tetrachloroethane	131	7.947	7.947	(1.010)	359110	50.0000	47
90	Ethylbenzene	106	7.918	7.918	(1.006)	604157	50.0000	49
91	Xylene (total)mp	106	8.056	8.056	(1.024)	1523705	100.000	98
92	Xylene (total)o	106	8.430	8.430	(1.071)	726670	50.0000	49
93	Styrene	104	8.479	8.479	(1.078)	1195309	50.0000	49
94	Bromoform	173	8.489	8.489	(1.079)	245909	50.0000	52
* 95	1,4-Dichlorobenzene-d4	152	9.927	9.927	(1.000)	221190	25.0000	
96	Isopropylbenzene	105	8.716	8.716	(0.878)	1718480	50.0000	48
97	Bromobenzene	156	9.031	9.031	(0.910)	410644	50.0000	47
98	1,1,2,2-Tetrachloroethane	83	9.139	9.139	(0.921)	565905	50.0000	50
99	4-Ethyltoluene	105	9.179	9.179	(0.925)	1790128	50.0000	48
100	1,2,3-Trichloropropane	110	9.248	9.248	(0.932)	157976	50.0000	50
101	trans-1,4-Dichloro-2-Butene	53	9.287	9.287	(0.936)	300295	100.000	99
102	n-Propylbenzene	91	9.080	9.080	(0.915)	2203607	50.0000	49
103	2-Chlorotoluene	91	9.198	9.198	(0.927)	1423265	50.0000	49
104	4-Chlorotoluene	91	9.346	9.346	(0.941)	1264313	50.0000	49
105	1,3,5-Trimethylbenzene	105	9.258	9.258	(0.933)	1437393	50.0000	48
106	tert-Butylbenzene	119	9.524	9.524	(0.959)	1233900	50.0000	48
107	1,2,4-Trimethylbenzene	105	9.583	9.583	(0.965)	1446365	50.0000	49
108	sec-Butylbenzene	105	9.681	9.681	(0.975)	1995807	50.0000	48
109	4-Isopropyltoluene	119	9.809	9.809	(0.988)	1511068	50.0000	47
110	1,3-Dichlorobenzene	146	9.858	9.858	(0.993)	710751	50.0000	46
111	1,4-Dichlorobenzene	146	9.937	9.937	(1.001)	713398	50.0000	45
112	1,2-Dichlorobenzene	146	10.302	10.302	(1.038)	675454	50.0000	47
113	Benzyl Chloride	126	10.154	10.154	(1.023)	148956	50.0000	44
114	1,4-Diethylbenzene	119	10.124	10.124	(1.020)	750987	50.0000	47
115	n-Butylbenzene	91	10.174	10.174	(1.025)	2200345	50.0000	46(M)
118	1,2,4,5-Tetramethylbenzene	119	10.834	10.834	(1.091)	1195407	50.0000	47
119	1,2-Dibromo-3-chloropropane	75	10.991	10.991	(1.107)	71861	50.0000	51
120	Nitrobenzene	77	11.484	11.484	(1.157)	150003	500.000	310
121	1,2,4-Trichlorobenzene	180	11.592	11.592	(1.168)	420740	50.0000	47
122	Hexachlorobutadiene	225	11.583	11.583	(1.167)	202821	50.0000	44
123	Naphthalene	128	11.878	11.878	(1.196)	1102374	50.0000	44
124	1,2,3-Trichlorobenzene	180	12.046	12.046	(1.213)	380050	50.0000	48
$ 125	Bromofluorobenzene	95	8.952	8.952	(0.902)	270764	25.0000	24
M 126	1,2-Dichloroethene (total)	100				939435	100.000	110
M 127	Xylene (total)	100				2250375	150.000	150

QC Flag Legend

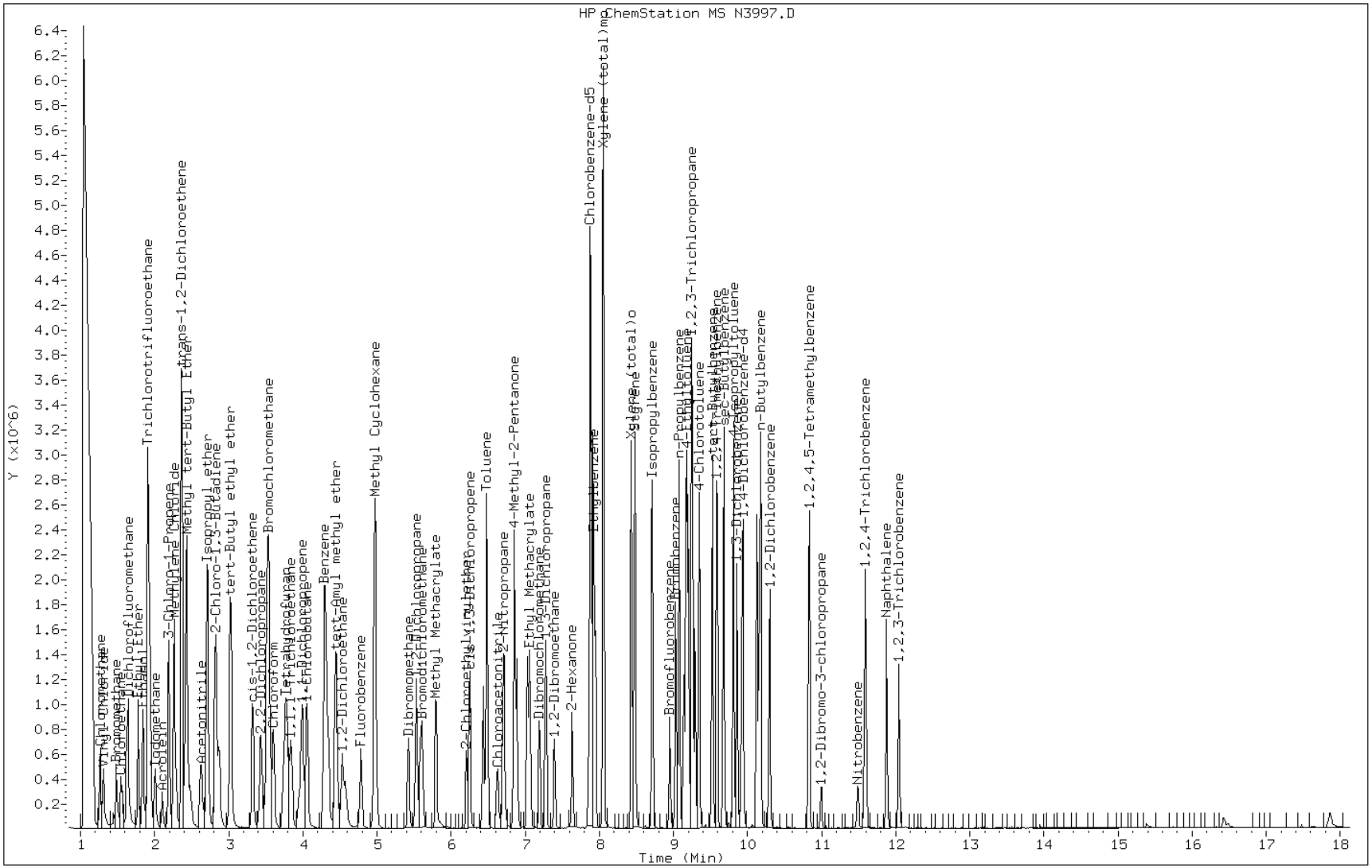
M - Compound response manually integrated.

Data File: N3997.D

Date: 27-JUL-2011 09:47

Client ID: CCVIS-632363 Instrument: msn.i

Sample Info: CCVIS-632363 Operator: D. HUMBERT



Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/29/2011

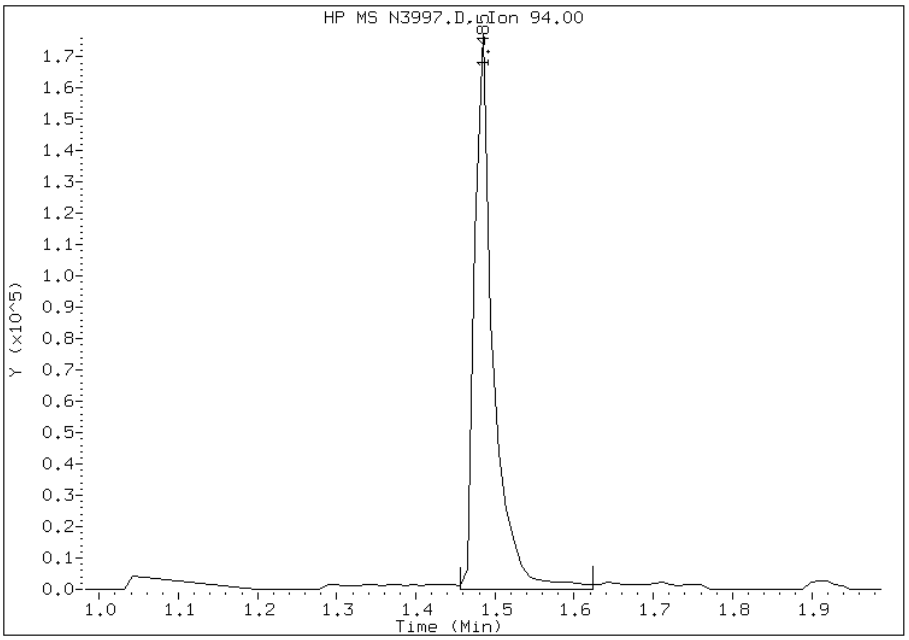
Processing Integration Results

RT: 1.49

Response: 293930

Amount: 72

Conc: 72



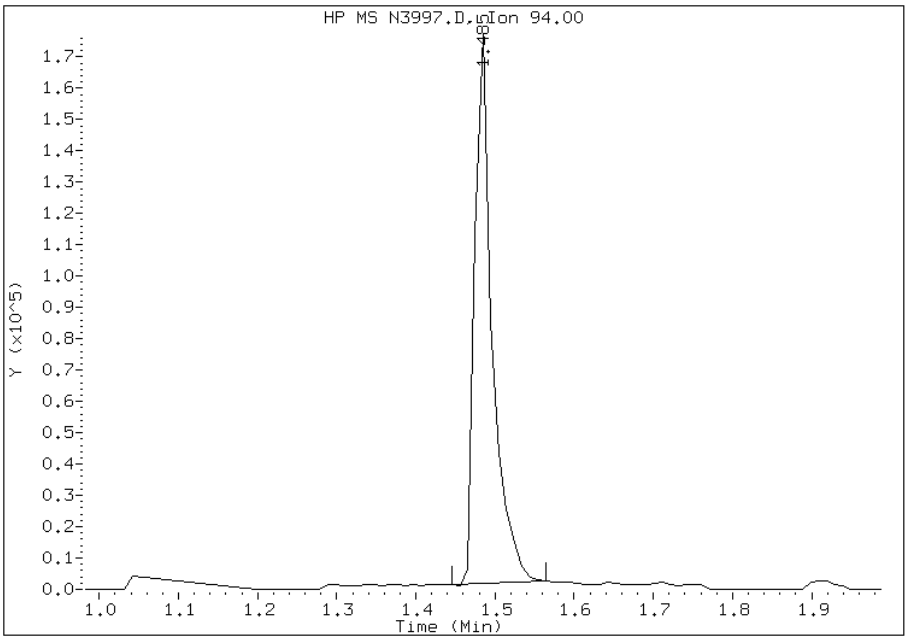
Manual Integration Results

RT: 1.49

Response: 270675

Amount: 66

Conc: 66



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 12 Freon 123
CAS #: 306-83-2
Report Date: 07/29/2011

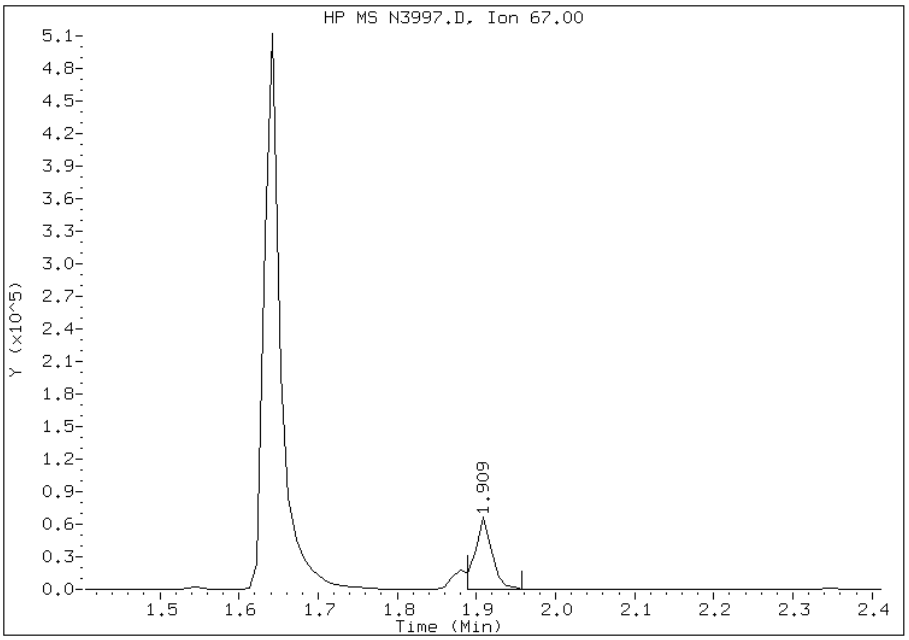
Processing Integration Results

RT: 1.91

Response: 102056

Amount: 47

Conc: 47



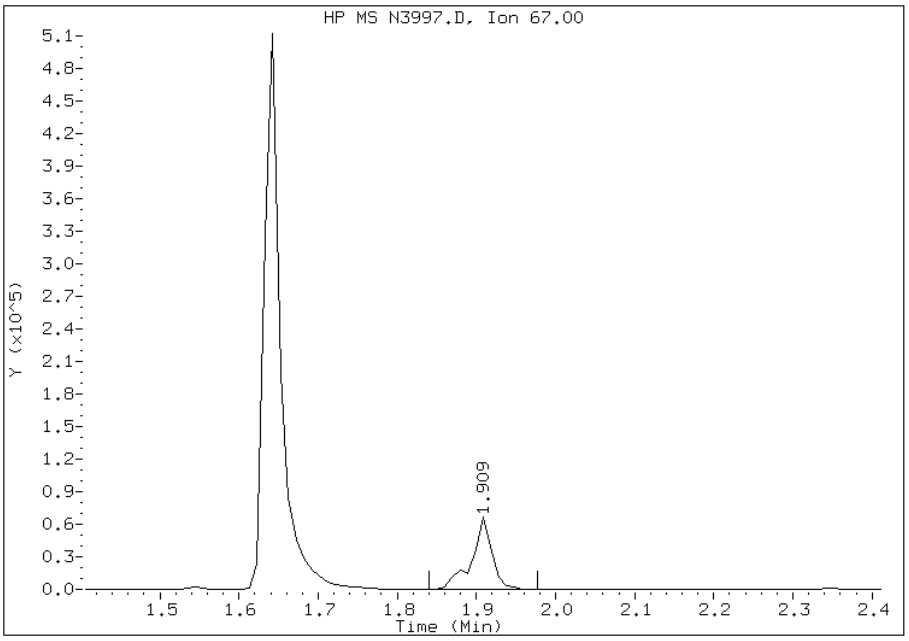
Manual Integration Results

RT: 1.91

Response: 120423

Amount: 56

Conc: 56



Manually Integrated By: eon
Manual Integration Reason:

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 67 1,4-Dioxane
CAS #: 123-91-1
Report Date: 07/29/2011

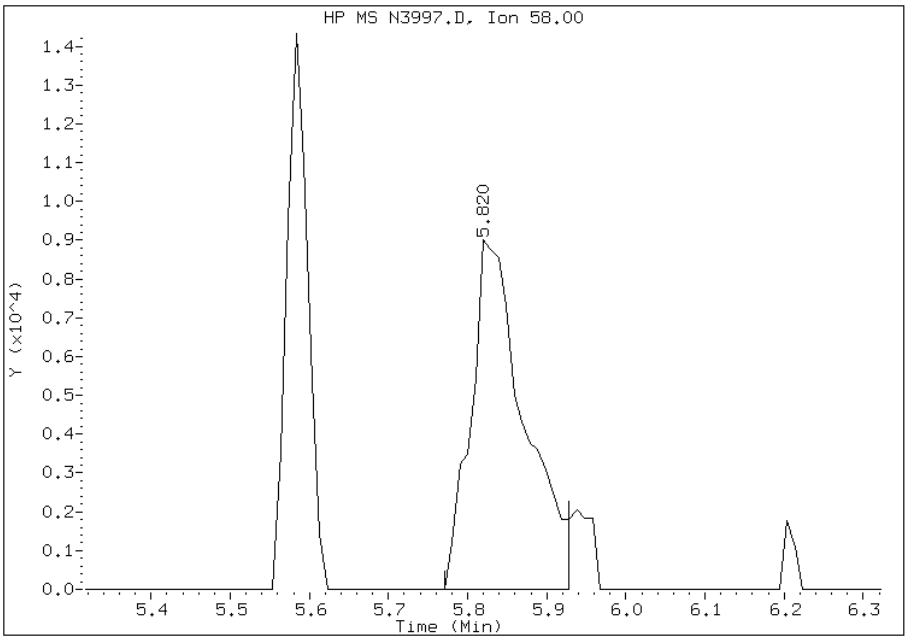
Processing Integration Results

RT: 5.82

Response: 43040

Amount: 519

Conc: 519



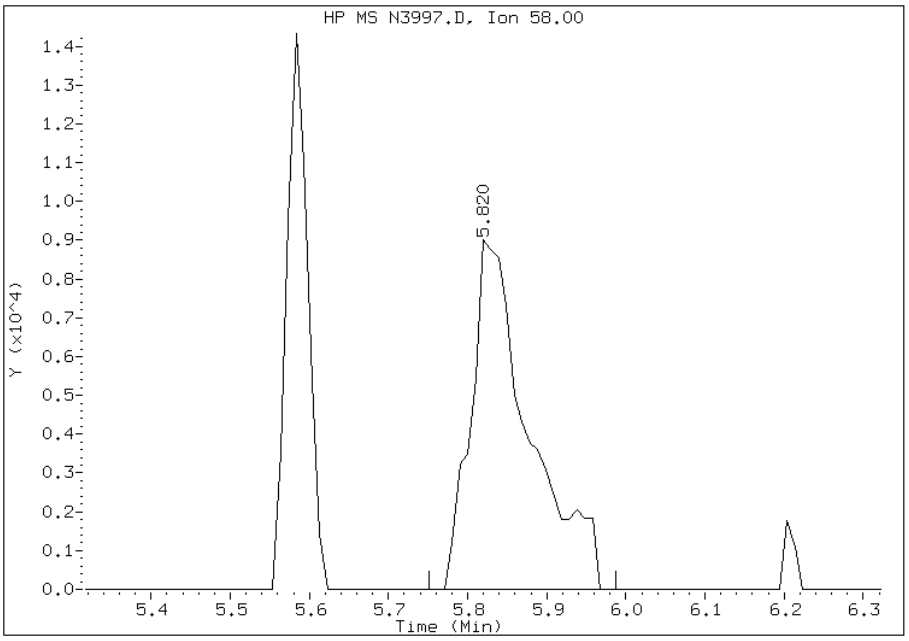
Manual Integration Results

RT: 5.82

Response: 46428

Amount: 559

Conc: 559



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 115 n-Butylbenzene
CAS #: 104-51-8
Report Date: 07/29/2011

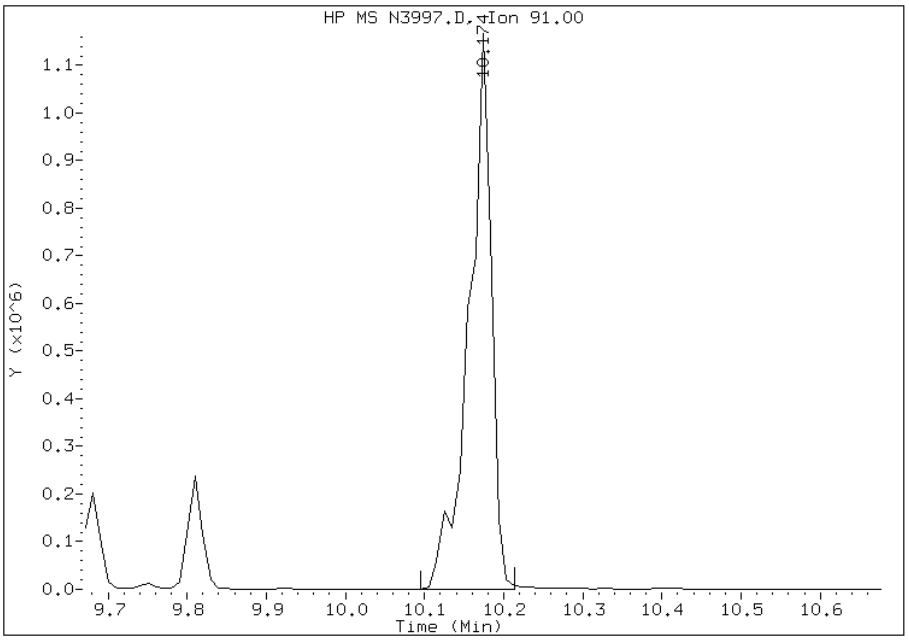
Processing Integration Results

RT: 10.17

Response: 2352794

Amount: 49

Conc: 49



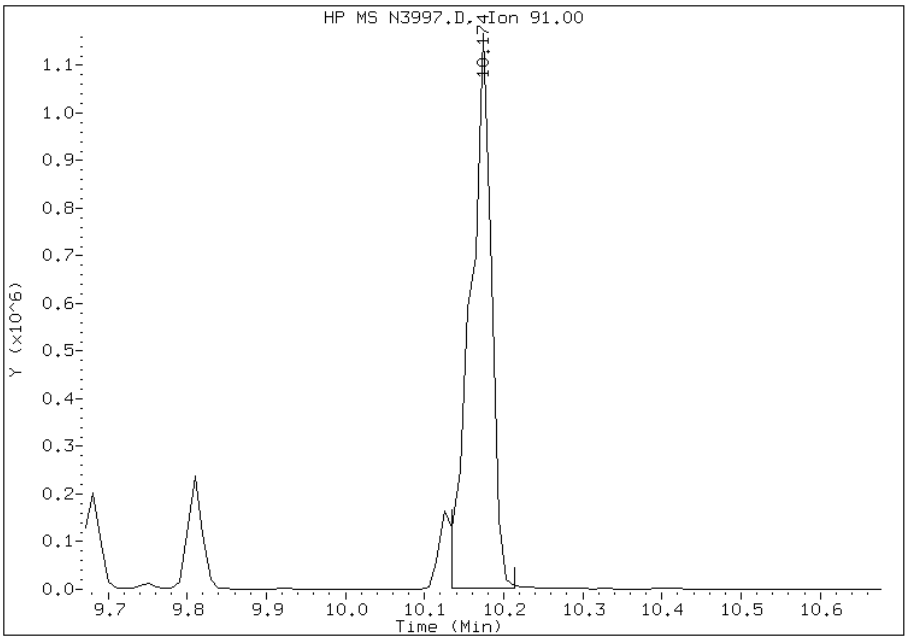
Manual Integration Results

RT: 10.17

Response: 2200345

Amount: 46

Conc: 46



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: N3997.D
Inj. Date and Time: 27-JUL-2011 09:47
Instrument ID: msn.i
Client ID: CCVIS-632363
Compound: 25 tert-Butyl alcohol
CAS #: 75-65-0
Report Date: 07/29/2011

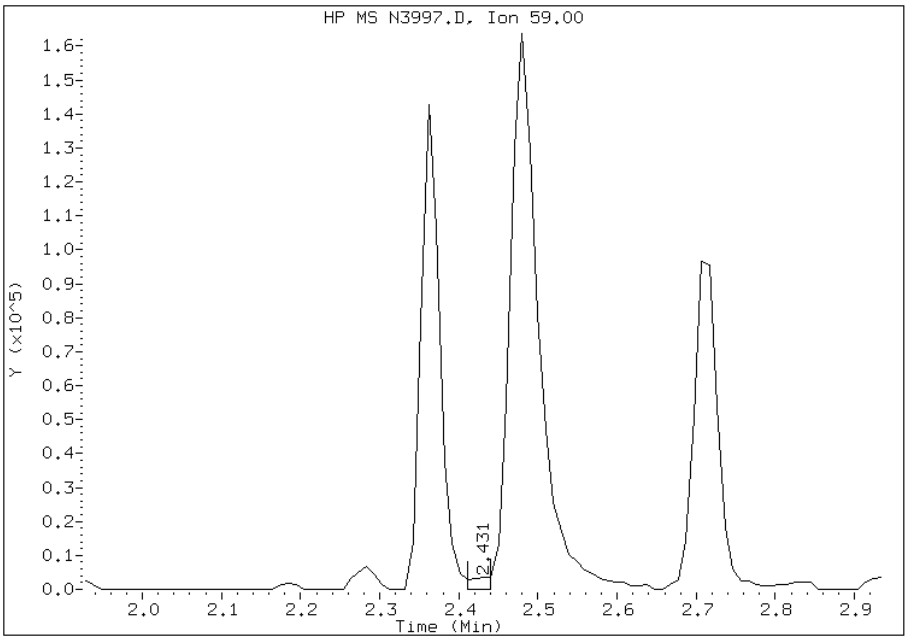
Processing Integration Results

RT: 2.43

Response: 7724

Amount: 5

Conc: 5



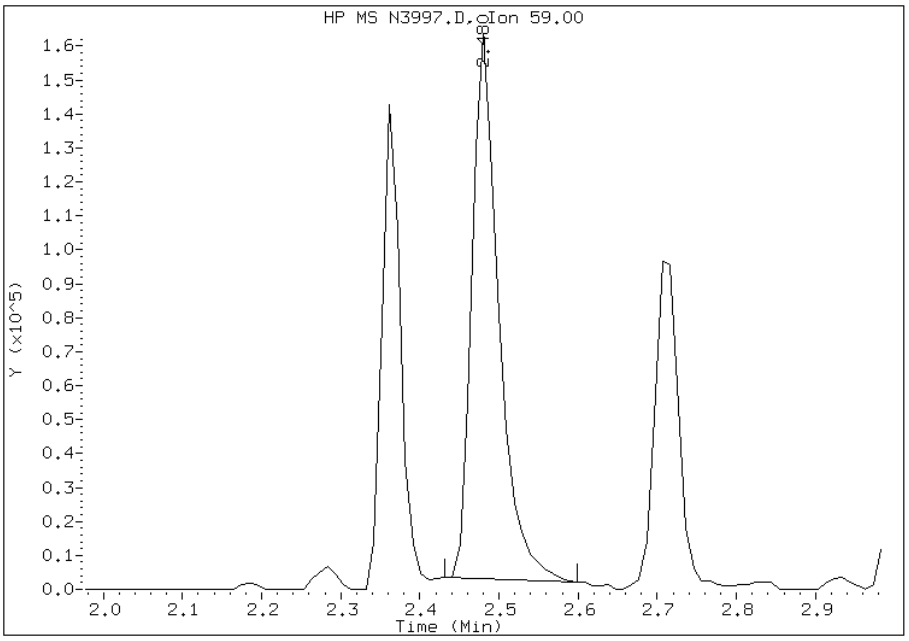
Manual Integration Results

RT: 2.48

Response: 386304

Amount: 247

Conc: 247



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53359/1 Calibration Date: 07/26/2011 11:19

Instrument ID: MSW Calib Start Date: 07/19/2011 15:40

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/19/2011 17:47

Lab File ID: W3572.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin	0.1997	0.2387		20.2	20.0	1.1	30.0
Chloromethane	Ave	0.3372	0.3447	0.1000	20.5	20.0	2.3	30.0
Vinyl chloride	Ave	0.2665	0.2837		21.3	20.0	6.5	20.0
Bromomethane	Ave	0.1206	0.1529		25.4	20.0	26.8	30.0
Chloroethane	Ave	0.1322	0.1489		22.5	20.0	12.6	30.0
Trichlorofluoromethane	Ave	0.4885	0.4799		19.6	20.0	-1.8	30.0
Dichlorofluoromethane	Ave	0.3915	0.4185		21.4	20.0	6.9	30.0
Ethyl ether	Ave	0.1938	0.1877		19.4	20.0	-3.1	30.0
Ethanol	Lin	0.0119	0.0123		212	200	6.0	30.0
1,1-Dichloroethene	Ave	0.1766	0.1682		19.0	20.0	-4.8	20.0
Carbon disulfide	Ave	0.6543	0.6460		19.7	20.0	-1.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2218	0.2159		19.5	20.0	-2.6	30.0
1,1,1-Trifluoro-2,2-dichloroethane	Lin	0.0473	0.0547		20.8	20.0	4.1	30.0
Iodomethane	Lin	0.1800	0.2606		24.6	20.0	23.2	30.0
Acrolein	Ave	0.0304	0.0233		76.7	100	-23.4	30.0
3-Chloro-1-propene	Ave	0.4724	0.4828		20.4	20.0	2.2	30.0
Isopropyl alcohol	Qua	0.0304	0.0303		19.1	20.1	-4.6	30.0
Methylene Chloride	Ave	0.3137	0.2265		14.4	20.0	-27.8	30.0
Acetone	Ave	0.1119	0.0891		15.9	20.0	-20.4	30.0
trans-1,2-Dichloroethene	Ave	0.1992	0.1974		19.8	20.0	-0.9	30.0
Methyl acetate	Ave	1.070	1.109		20.7	20.0	3.6	30.0
Methyl tert-butyl ether	Ave	0.6308	0.5757		18.3	20.0	-8.7	30.0
tert-Butyl alcohol	Lin	0.0220	0.0221		116	100	16.4	30.0
Acetonitrile	Ave	0.0305	0.0304		199	200	-0.4	30.0
Isopropyl ether	Ave	1.020	1.010		19.8	20.0	-1.0	30.0
2-Chloro-1,3-butadiene	Ave	0.1955	0.1872		19.2	20.0	-4.2	30.0
1,1-Dichloroethane	Ave	0.4468	0.4599	0.1000	20.6	20.0	2.9	30.0
Acrylonitrile	Ave	0.0857	0.0877		40.9	40.0	2.4	30.0
Tert-butyl ethyl ether	Ave	0.8182	0.7830		19.1	20.0	-4.3	30.0
Vinyl acetate	Ave	0.6673	0.5389		16.1	20.0	-19.2	30.0
cis-1,2-Dichloroethene	Ave	0.2244	0.2240		20.0	20.0	-0.2	30.0
2,2-Dichloropropane	Ave	0.3473	0.3690		21.2	20.0	6.2	30.0
Bromochloromethane	Ave	0.1215	0.1143		18.8	20.0	-6.0	30.0
Cyclohexane	Ave	0.2143	0.2206		20.6	20.0	2.9	30.0
Chloroform	Ave	0.4578	0.4281		18.7	20.0	-6.5	20.0
Carbon tetrachloride	Ave	0.3439	0.3704		21.5	20.0	7.7	30.0
Ethyl acetate	Ave	0.0310	0.0281		36.3	40.0	-9.3	30.0
Tetrahydrofuran	Ave	0.0849	0.0886		41.8	40.0	4.4	30.0
Methyl acrylate	Ave	0.2034	0.2124		20.9	20.0	4.4	30.0
1,1,1-Trichloroethane	Ave	0.3913	0.4167		21.3	20.0	6.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53359/1 Calibration Date: 07/26/2011 11:19

Instrument ID: MSW Calib Start Date: 07/19/2011 15:40

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/19/2011 17:47

Lab File ID: W3572.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloropropene	Ave	0.2988	0.3109		20.8	20.0	4.0	30.0
2-Butanone (MEK)	Ave	0.1264	0.1177		18.6	20.0	-6.9	30.0
1-Chlorobutane	Ave	0.5261	0.5467		20.8	20.0	3.9	30.0
Benzene	Ave	0.8663	0.8340		19.3	20.0	-3.7	30.0
Propionitrile	Ave	0.0316	0.0330		209	200	4.4	30.0
Methacrylonitrile	Ave	0.1524	0.1579		20.7	20.0	3.6	30.0
Tert-amyl methyl ether	Ave	0.5747	0.5378		18.7	20.0	-6.4	30.0
1,2-Dichloroethane	Ave	0.3650	0.3624		19.9	20.0	-0.7	30.0
Isobutyl alcohol	Ave	0.0054	0.0060		221	200	10.7	30.0
Methylcyclohexane	Ave	0.2296	0.2172		18.9	20.0	-5.4	30.0
Trichloroethene	Ave	0.2415	0.2315		19.2	20.0	-4.1	30.0
Dibromomethane	Ave	0.1510	0.1355		17.9	20.0	-10.3	30.0
1,2-Dichloropropane	Ave	0.2738	0.2613		19.1	20.0	-4.6	20.0
Bromodichloromethane	Ave	0.3124	0.3201		20.5	20.0	2.4	30.0
1,4-Dioxane	Ave	0.0021	0.0014		128	200	-36.1*	30.0
Methyl methacrylate	Ave	0.1393	0.1322		19.0	20.0	-5.2	30.0
2-Chloroethyl vinyl ether	Lin	0.1068	0.1047		16.6	20.0	-16.9	30.0
cis-1,3-Dichloropropene	Ave	0.3683	0.3462		18.8	20.0	-6.0	30.0
Toluene	Ave	1.184	1.176		19.9	20.0	-0.6	20.0
Chloroacetonitrile	Lin	0.0066	0.0086		221	200	10.4	30.0
2-Nitropropane	Ave	0.0569	0.0645		45.3	40.0	13.3	30.0
1,1-Dichloro-2-propanone	Ave	0.1437	0.1561		109	100	8.7	30.0
Tetrachloroethene	Ave	0.2228	0.2271		20.4	20.0	1.9	30.0
methyl isobutyl ketone	Ave	0.3117	0.3040		19.5	20.0	-2.5	30.0
trans-1,3-Dichloropropene	Ave	0.3370	0.3399		20.2	20.0	0.8	30.0
1,1,2-Trichloroethane	Ave	0.1902	0.1761		18.5	20.0	-7.4	30.0
Ethyl methacrylate	Ave	0.2742	0.2624		19.1	20.0	-4.3	30.0
Dibromochloromethane	Ave	0.3295	0.3131		19.0	20.0	-5.0	30.0
1,3-Dichloropropane	Ave	0.4016	0.3735		18.6	20.0	-7.0	30.0
1,2-Dibromoethane	Ave	0.2553	0.2488		19.5	20.0	-2.6	30.0
2-Hexanone	Ave	0.2053	0.2059		20.0	20.0	0.2	30.0
Chlorobenzene	Ave	0.7664	0.7378	0.3000	19.3	20.0	-3.7	30.0
1-Chlorohexane	Lin	0.2587	0.3140		22.0	20.0	10.0	30.0
Ethylbenzene	Ave	0.3908	0.3704		19.0	20.0	-5.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3021	0.3003		19.9	20.0	-0.6	30.0
m&p-Xylene	Ave	0.4665	0.4589		39.3	40.0	-1.6	30.0
o-Xylene	Ave	0.4548	0.4340		19.1	20.0	-4.6	30.0
Bromoform	Ave	0.2184	0.2067	0.1000	18.9	20.0	-5.4	30.0
Styrene	Ave	0.7503	0.7182		19.1	20.0	-4.3	30.0
Isopropylbenzene	Ave	1.719	1.738		20.2	20.0	1.1	30.0
Bromobenzene	Ave	0.6441	0.6112		19.0	20.0	-5.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53359/1 Calibration Date: 07/26/2011 11:19

Instrument ID: MSW Calib Start Date: 07/19/2011 15:40

GC Column: RTX-VMS ID: 0.18(mm) Calib End Date: 07/19/2011 17:47

Lab File ID: W3572.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Propylbenzene	Ave	2.098	2.127		20.3	20.0	1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5414	0.5048	0.3000	18.6	20.0	-6.8	30.0
2-Chlorotoluene	Ave	1.660	1.683		20.3	20.0	1.3	30.0
4-Ethyltoluene	Ave	1.782	1.857		20.8	20.0	4.2	30.0
1,2,3-Trichloropropane	Ave	0.1428	0.1383		19.4	20.0	-3.2	30.0
1,3,5-Trimethylbenzene	Ave	1.522	1.549		20.4	20.0	1.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1812	0.1918		42.3	40.0	5.8	30.0
4-Chlorotoluene	Ave	1.594	1.629		20.4	20.0	2.2	30.0
tert-Butylbenzene	Ave	1.206	1.188		19.7	20.0	-1.5	30.0
1,2,4-Trimethylbenzene	Ave	1.621	1.680		20.7	20.0	3.7	30.0
sec-Butylbenzene	Ave	1.640	1.648		20.1	20.0	0.4	30.0
1,3-Dichlorobenzene	Ave	1.095	1.015		18.5	20.0	-7.3	30.0
p-Isopropyltoluene	Ave	1.415	1.417		20.0	20.0	0.1	30.0
1,4-Dichlorobenzene	Ave	1.135	1.030		18.1	20.0	-9.3	30.0
Benzyl chloride	Lin	0.2043	0.1999		18.2	20.0	-9.2	30.0
p-Diethylbenzene	Ave	0.7600	0.7122		18.7	20.0	-6.3	30.0
n-Butylbenzene	Ave	1.415	1.324		18.7	20.0	-6.4	30.0
1,2-Dichlorobenzene	Ave	1.091	0.9777		17.9	20.0	-10.4	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.401	1.249		17.8	20.0	-10.9	30.0
1,2-Dibromo-3-Chloropropane	Lin	0.1244	0.1134		21.0	20.0	5.2	30.0
Nitrobenzene	Ave	0.0353	0.0349		197	200	-1.4	30.0
1,2,4-Trichlorobenzene	Ave	0.6889	0.5265		15.3	20.0	-23.6	30.0
Hexachlorobutadiene	Ave	0.4464	0.2599		11.6	20.0	-41.8*	30.0
Naphthalene	Ave	1.614	1.192		14.8	20.0	-26.2	30.0
1,2,3-Trichlorobenzene	Ave	0.6025	0.4458		14.8	20.0	-26.0	30.0
Dibromofluoromethane	Ave	0.2662	0.2404		22.6	25.0	-9.7	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3318	0.2934		22.1	25.0	-11.6	30.0
Toluene-d8 (Surr)	Ave	1.105	0.9692		21.9	25.0	-12.3	30.0
4-Bromofluorobenzene	Ave	0.6985	0.6280		22.5	25.0	-10.1	30.0

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W3572.D
Lab Smp Id: CCVIS-617541 Client Smp ID: CCVIS-617541
Inj Date : 26-JUL-2011 11:19 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : CCVIS-617541
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msw.i\W113572.b\W8260LOW.m
Meth Date : 26-Jul-2011 11:41 barbara Quant Type: ISTD
Cal Date : 19-JUL-2011 17:47 Cal File: W3414.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 1	Fluorobenzene	96	4.358	4.358	(1.000)	883343	25.0000	
2	Dichlorodifluoromethane	85	0.854	0.854	(0.196)	168693	20.0000	20
3	Chloromethane	50	0.950	0.950	(0.218)	243618	20.0000	20
4	Vinyl Chloride	62	0.987	0.987	(0.227)	200474	20.0000	21
5	Bromomethane	94	1.148	1.148	(0.264)	108029	20.0000	25
6	Chloroethane	64	1.212	1.212	(0.278)	105227	20.0000	22
7	Trichlorofluoromethane	101	1.287	1.287	(0.295)	339099	20.0000	20
8	Dichlorofluoromethane	67	1.314	1.314	(0.302)	295760	20.0000	21
9	Ethyl Ether	45	1.453	1.453	(0.333)	132667	20.0000	19
10	Ethanol	45	1.501	1.501	(0.345)	86697	200.000	210
12	Freon 123	67	1.597	1.597	(0.367)	38678	20.0000	21
13	Trichlorotrifluoroethane	101	1.587	1.587	(0.364)	152596	20.0000	19
14	1,1-Dichloroethene	96	1.560	1.560	(0.358)	118860	20.0000	19
15	Carbon Disulfide	76	1.576	1.576	(0.362)	456474	20.0000	20
16	Iodomethane	142	1.645	1.645	(0.378)	184181	20.0000	25
17	Acrolein	56	1.763	1.763	(0.405)	82296	100.000	77
18	2-Propanol	45	1.881	1.881	(0.432)	21474	20.0000	19
19	3-Chloro-1-Propene	41	1.849	1.849	(0.424)	341150	20.0000	20
20	Methylene Chloride	84	1.918	1.918	(0.440)	160038	20.0000	14
21	Acetone	43	1.956	1.956	(0.449)	62982	20.0000	16
22	trans-1,2-Dichloroethene	96	2.031	2.031	(0.466)	139497	20.0000	20
23	Methyl Acetate	43	2.047	2.047	(0.470)	783648	20.0000	21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	24 Methyl tert-Butyl Ether	73	2.116	2.116	(0.486)	406863	20.0000	18
	25 tert-Butyl alcohol	59	2.202	2.202	(0.505)	78158	100.000	120
	26 Acetonitrile	41	2.282	2.282	(0.524)	214576	200.000	200
	27 Isopropyl ether	45	2.421	2.421	(0.556)	713874	20.0000	20
	28 tert-Butyl ethyl ether	59	2.747	2.747	(0.631)	553302	20.0000	19
	29 2-Chloro-1,3-Butadiene	88	2.480	2.480	(0.569)	132306	20.0000	19
	30 Acrylonitrile	53	2.539	2.539	(0.583)	123937	40.0000	41
	31 1,1-Dichloroethane	63	2.496	2.496	(0.573)	325014	20.0000	20
	32 Vinyl Acetate	43	2.747	2.747	(0.631)	380587	20.0000	16
	33 cis-1,2-Dichloroethene	96	3.004	3.004	(0.689)	158271	20.0000	20
	34 2,2-Dichloropropane	77	3.106	3.106	(0.713)	260788	20.0000	21
	35 Bromochloromethane	128	3.197	3.197	(0.734)	80748	20.0000	19
	37 Cyclohexane	84	3.208	3.208	(0.736)	155865	20.0000	20
	38 Chloroform	83	3.298	3.298	(0.757)	302542	20.0000	19
	39 Ethyl Acetate	43	3.454	3.454	(0.793)	39758	40.0000	36
	40 Methyl Acrylate	55	3.459	3.459	(0.794)	150061	20.0000	21
$	41 Dibromofluoromethane	111	3.486	3.486	(0.800)	212340	20.0000	22
	42 Tetrahydrofuran	42	3.454	3.454	(0.793)	125262	40.0000	42
	43 Carbon Tetrachloride	117	3.422	3.422	(0.785)	261720	20.0000	22
	44 1,1,1-Trichloroethane	97	3.491	3.491	(0.801)	294440	20.0000	21
	45 2-Butanone	43	3.630	3.630	(0.833)	83160	20.0000	19
	46 1,1-Dichloropropene	75	3.630	3.630	(0.833)	219704	20.0000	21
	47 tert-Amyl methyl ether	73	4.074	4.074	(0.935)	380056	20.0000	19
	49 1-Chlorobutane	56	3.694	3.694	(0.848)	386303	20.0000	21
	50 Heptane	43	3.181	3.181	(0.730)	377434	20.0000	22
	51 Propionitrile	54	3.919	3.919	(0.899)	232849	200.000	210
	52 Benzene	78	3.892	3.892	(0.893)	589346	20.0000	19
	53 2-Methyl-2-Propenenitrile	41	3.951	3.951	(0.907)	111593	20.0000	21(M)
	54 Isobutyl alcohol	42	4.261	4.261	(0.978)	42093	200.000	220
$	55 1,2-Dichloroethane-d4	65	4.037	4.037	(0.926)	259201	20.0000	22
	56 1,2-Dichloroethane	62	4.117	4.117	(0.945)	256082	20.0000	20
	59 Methyl Cyclohexane	83	4.529	4.529	(1.039)	153521	20.0000	19
	60 Trichloroethene	130	4.550	4.550	(1.044)	163604	20.0000	19
	63 Dibromomethane	93	5.010	5.010	(1.150)	95720	20.0000	18
	64 1,2-Dichloropropane	63	5.128	5.128	(1.177)	184645	20.0000	19
	65 Bromodichloromethane	83	5.235	5.235	(1.201)	226173	20.0000	20
	174 Ethyl Acrylate	55	5.262	5.262	(1.207)	221749	20.0000	19(T)
	66 Methyl Methacrylate	69	5.497	5.497	(1.261)	93389	20.0000	19
	67 1,4-Dioxane	58	5.481	5.481	(1.258)	9680	200.000	130
	69 2-Chloroethylvinylether	63	5.973	5.973	(1.371)	73871	20.0000	16
	70 cis-1,3-Dichloropropene	75	5.989	5.989	(1.374)	244638	20.0000	19
	71 Chloroacetonitrile	48	6.482	6.482	(1.487)	60403	200.000	220
	72 2-Nitropropane	41	6.530	6.530	(1.498)	91085	40.0000	45
	73 trans-1,3-Dichloropropene	75	6.803	6.803	(1.561)	240175	20.0000	20
	74 1,1,2-Trichloroethane	97	6.979	6.979	(1.601)	124477	20.0000	18
*	75 Chlorobenzene-d5	117	8.097	8.097	(1.000)	697036	25.0000	
	76 Toluene	91	6.262	6.262	(0.773)	656035	20.0000	20
$	77 Toluene-d8	98	6.203	6.203	(0.766)	675589	20.0000	22
	78 1,1-Dichloro-2-propanone	43	6.551	6.551	(0.809)	435346	100.000	110
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	169518	20.0000	20
	80 Tetrachloroethene	164	6.717	6.717	(0.830)	126646	20.0000	20
	81 Ethyl Methacrylate	69	7.091	7.091	(0.876)	146304	20.0000	19
	82 Dibromochloromethane	129	7.177	7.177	(0.886)	174572	20.0000	19
	83 1,3-Dichloropropane	76	7.300	7.300	(0.902)	208253	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
84	1,2-Dibromoethane	107	7.412	7.412	(0.915)	138722	20.0000	19
86	2-Hexanone	43	7.840	7.840	(0.968)	114790	20.0000	20
87	1-Chlorohexane	91	8.193	8.193	(1.012)	175117	20.0000	22(M)
88	Chlorobenzene	112	8.119	8.119	(1.003)	411428	20.0000	19
89	1,1,1,2-Tetrachloroethane	131	8.231	8.231	(1.017)	167447	20.0000	20
90	Ethylbenzene	106	8.215	8.215	(1.015)	206540	20.0000	19
91	Xylene (total)mp	106	8.413	8.413	(1.039)	511748	40.0000	39
92	Xylene (total)o	106	8.953	8.953	(1.106)	242003	20.0000	19
93	Styrene	104	9.033	9.033	(1.116)	400485	20.0000	19
94	Bromoform	173	9.001	9.001	(1.112)	115277	20.0000	19
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	377950	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	525643	20.0000	20
97	Bromobenzene	156	9.723	9.723	(0.907)	184795	20.0000	19
98	1,1,2,2-Tetrachloroethane	83	9.921	9.921	(0.925)	152616	20.0000	19
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	561406	20.0000	21
100	1,2,3-Trichloropropane	110	10.018	10.018	(0.934)	41827	20.0000	19
101	trans-1,4-Dichloro-2-Butene	53	10.087	10.087	(0.941)	115956	40.0000	42
102	n-Propylbenzene	91	9.836	9.836	(0.917)	643130	20.0000	20
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	508814	20.0000	20
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	492418	20.0000	20
105	1,3,5-Trimethylbenzene	105	10.055	10.055	(0.938)	468207	20.0000	20
106	tert-Butylbenzene	119	10.339	10.339	(0.964)	359065	20.0000	20
107	1,2,4-Trimethylbenzene	105	10.414	10.414	(0.971)	508058	20.0000	21
108	sec-Butylbenzene	105	10.505	10.505	(0.980)	498202	20.0000	20
109	4-Isopropyltoluene	119	10.649	10.649	(0.993)	428344	20.0000	20
110	1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	306770	20.0000	18
111	1,4-Dichlorobenzene	146	10.735	10.735	(1.001)	311330	20.0000	18
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	295612	20.0000	18
113	Benzyl Chloride	126	10.959	10.959	(1.022)	60440	20.0000	18
114	1,4-Diethylbenzene	119	10.965	10.965	(1.022)	215332	20.0000	19
115	n-Butylbenzene	91	11.007	11.007	(1.026)	400341	20.0000	19
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	377499	20.0000	18
119	1,2-Dibromo-3-chloropropane	75	11.714	11.714	(1.092)	34294	20.0000	21
120	Nitrobenzene	77	12.120	12.120	(1.130)	105381	200.000	200
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	159188	20.0000	15
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	78582	20.0000	12
123	Naphthalene	128	12.446	12.446	(1.161)	360340	20.0000	15
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	134797	20.0000	15
$ 125	Bromofluorobenzene	95	9.649	9.649	(0.900)	237343	20.0000	22
M 126	1,2-Dichloroethene (total)	100				297768	40.0000	40
M 127	Xylene (total)	100				753751	60.0000	58

QC Flag Legend

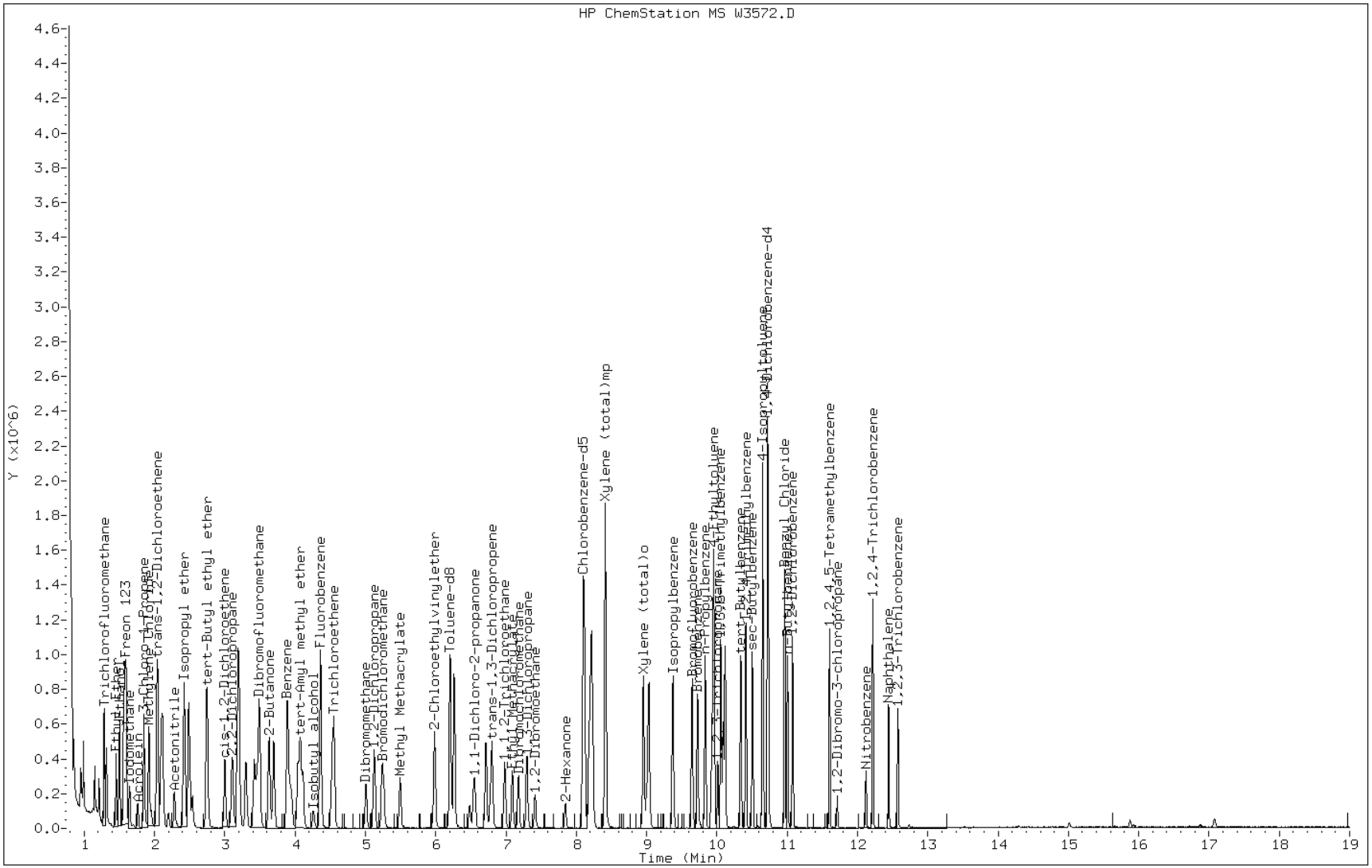
T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: W3572.D

Date: 26-JUL-2011 11:19

Client ID: CCVIS-617541 Instrument: msw.i

Sample Info: CCVIS-617541 Operator: B.KOSTRZEWSKA



Manual Integration Report

Data File: W3572.D
Inj. Date and Time: 26-JUL-2011 11:19
Instrument ID: msw.i
Client ID: CCVIS-617541
Compound: 87 1-Chlorohexane
CAS #: 544-10-5
Report Date: 07/27/2011

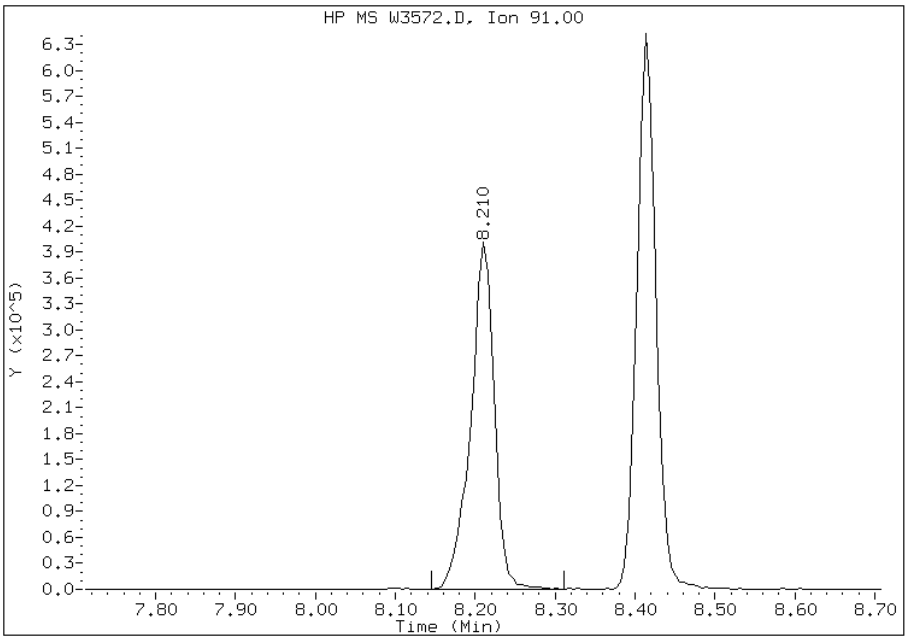
Processing Integration Results

RT: 8.21

Response: 822740

Amount: 105

Conc: 105



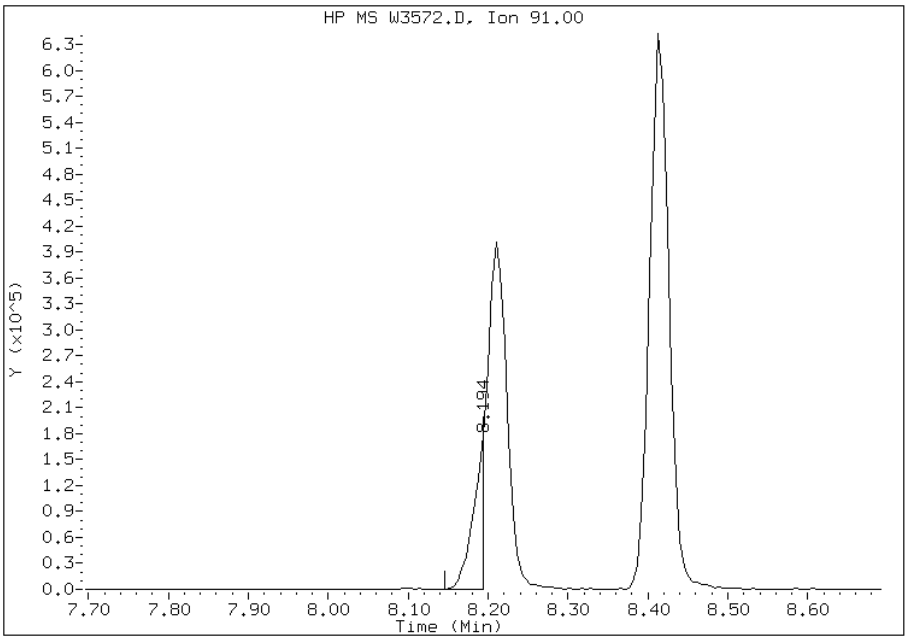
Manual Integration Results

RT: 8.19

Response: 175117

Amount: 22

Conc: 22



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: W3572.D
Inj. Date and Time: 26-JUL-2011 11:19
Instrument ID: msw.i
Client ID: CCVIS-617541
Compound: 53 2-Methyl-2-Propenenitrile
CAS #: 126-98-7
Report Date: 07/27/2011

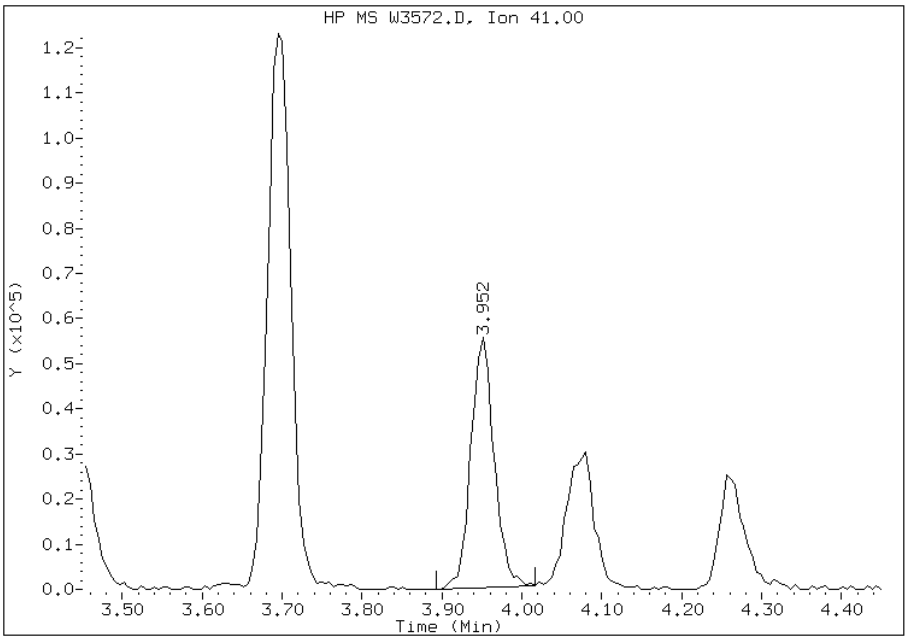
Processing Integration Results

RT: 3.95

Response: 111593

Amount: 21

Conc: 21



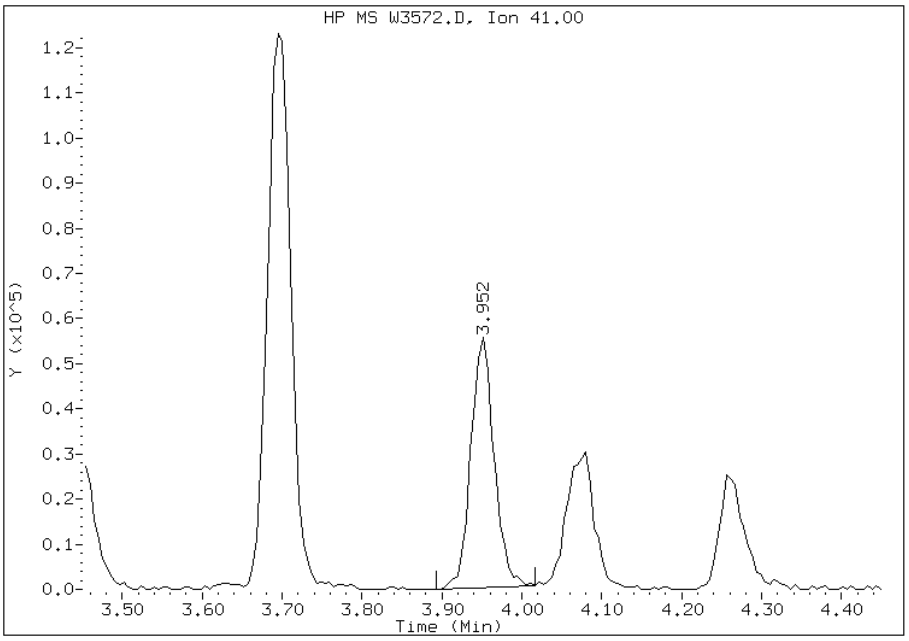
Manual Integration Results

RT: 3.95

Response: 111593

Amount: 21

Conc: 21



Manually Integrated By: barbara
Manual Integration Reason: Incorrect peak integration

Test America Inc

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NB907.D
Lab Smp Id: BFB-621712 Client Smp ID: BFB-621712
Inj Date : 13-JUL-2011 16:46 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : BFB-621712
Misc Info : : ;;; BFB ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NBFB8260.m
Meth Date : 16-May-2007 12:04 pattym Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

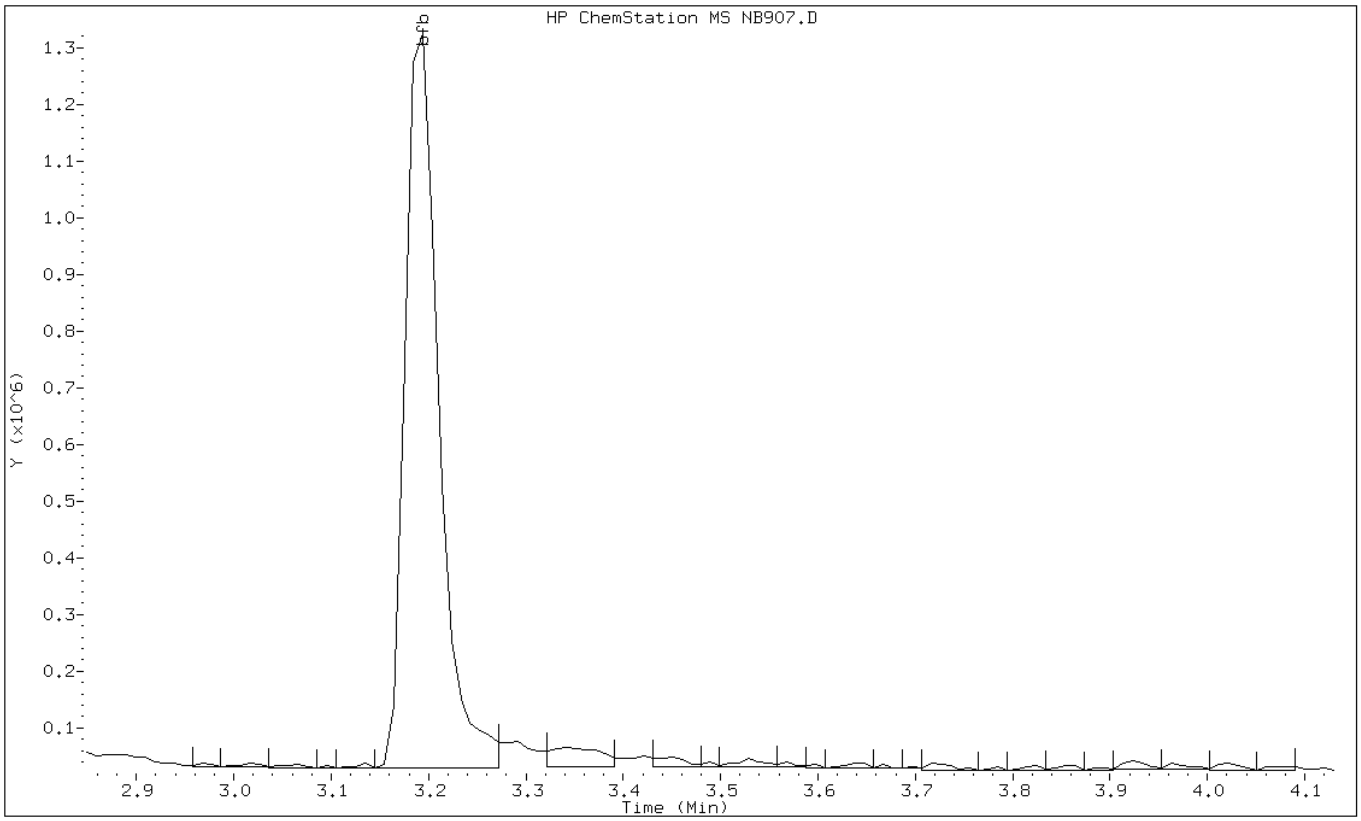
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/Kg)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.193	3.420	(0.000)	95	262272			0.00- 100.00	100.00
3.193	3.420	(0.000)	50	49264			15.00- 40.00	18.78
3.193	3.420	(0.000)	75	101936			30.00- 60.00	38.87
3.193	3.420	(0.000)	96	18008			5.00- 9.00	6.87
3.193	3.420	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.193	3.420	(0.000)	174	200000			50.00- 100.00	76.26
3.193	3.420	(0.000)	175	14615			5.00- 9.00	7.31
3.193	3.420	(0.000)	176	193664			95.00- 101.00	96.83
3.193	3.420	(0.000)	177	12763			5.00- 9.00	6.59

Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT



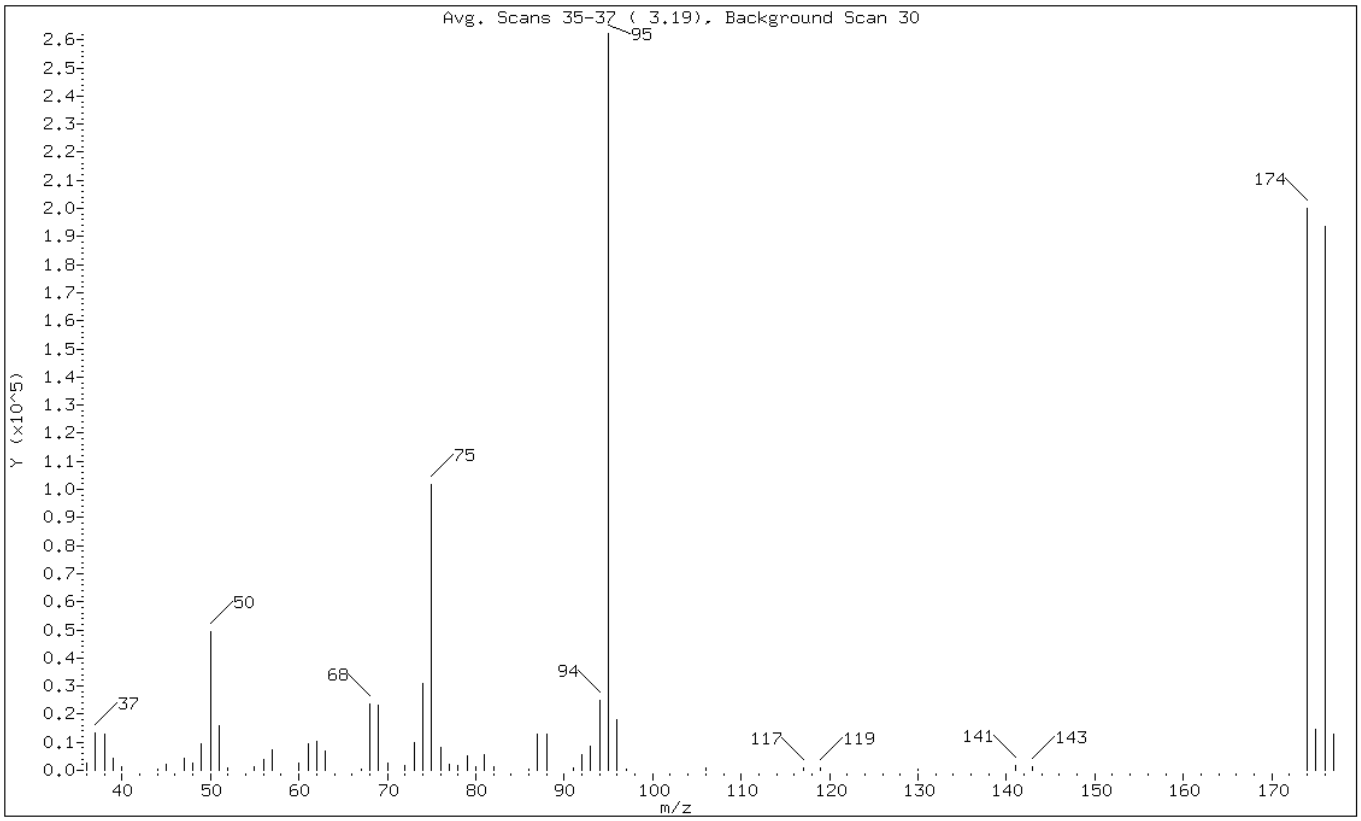
Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

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	18.78
75	30.00 - 60.00% of mass 95	38.87
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	76.26
175	5.00 - 9.00% of mass 174	5.57 (7.31)
176	95.00 - 101.00% of mass 174	73.84 (96.83)
177	5.00 - 9.00% of mass 176	4.87 (6.59)

Data File: NB907.D

Date: 13-JUL-2011 16:46

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

Data File: \\consvr05\Files\Chem\VOA\msn.i\N113724.b\NB907.D
Spectrum: Avg. Scans 35-37 (3.19), Background Scan 30
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2485	56.00	4026	76.00	8218	95.00	262272
37.00	13313	57.00	7106	77.00	2023	96.00	18008
38.00	13023	60.00	2606	78.00	1854	97.00	344
39.00	4449	61.00	9501	79.00	5279	106.00	777
40.00	1204	62.00	10141	80.00	1464	117.00	984
44.00	325	63.00	6867	81.00	5593	119.00	773
45.00	2128	67.00	414	82.00	1391	130.00	408
47.00	4454	68.00	23400	86.00	349	141.00	1513
48.00	2779	69.00	23320	87.00	12852	143.00	1363
49.00	9580	70.00	2375	88.00	12865	174.00	200000
50.00	49264	72.00	1505	91.00	1035	175.00	14615
51.00	15896	73.00	9848	92.00	5644	176.00	193664
52.00	921	74.00	30984	93.00	8633	177.00	12763
55.00	1366	75.00	101936	94.00	24968		

Test America Inc

Data file : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NB918.D
Lab Smp Id: BFB-621712 Client Smp ID: BFB-621712
Inj Date : 27-JUL-2011 09:24 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : BFB-621712
Misc Info : : ;;; BFB ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NBFB8260.m
Meth Date : 16-May-2007 12:04 pattym Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: CON1006

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

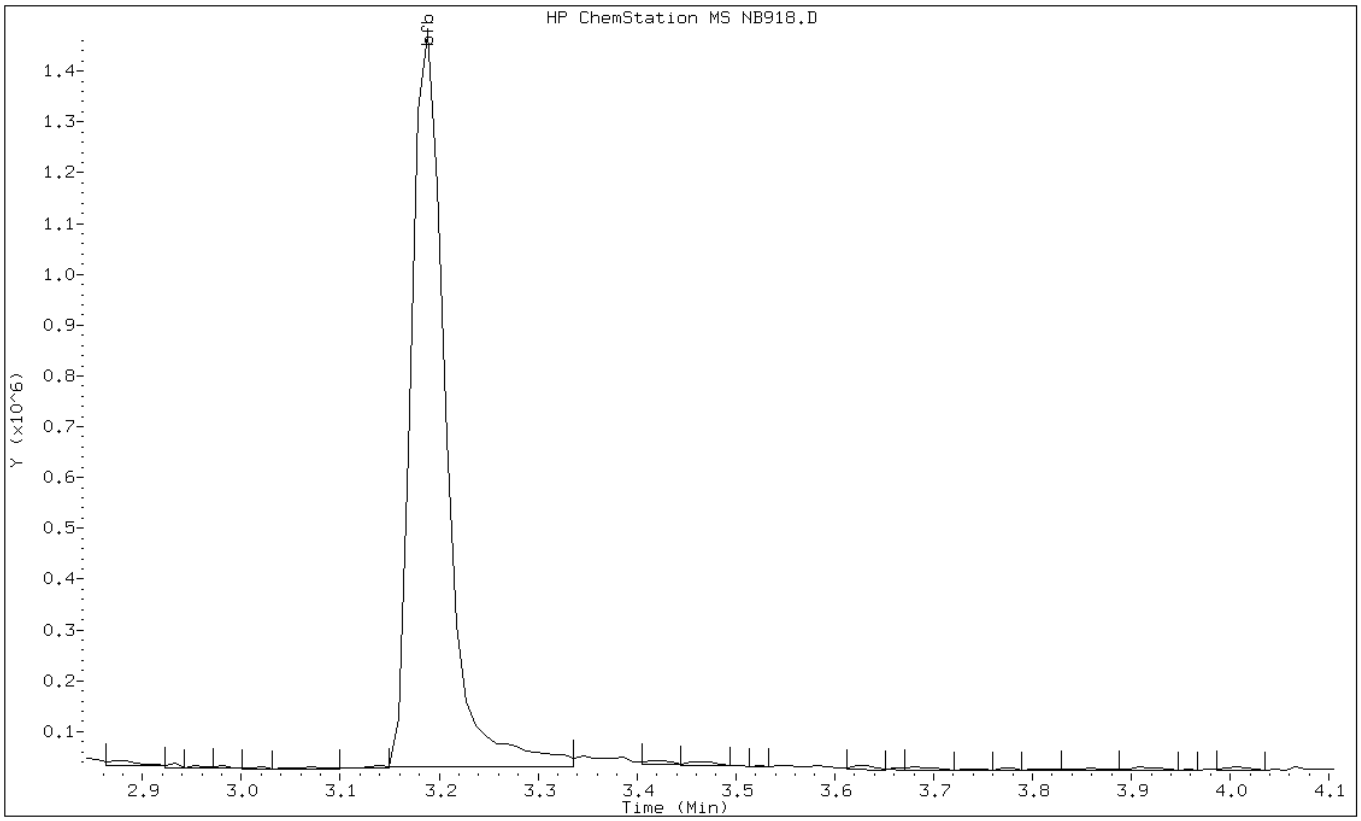
					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/Kg)		
RT	EXP RT	REL RT	MASS	RESPONSE			TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.188	3.420	(0.000)	95	295040			0.00- 100.00	100.00
3.188	3.420	(0.000)	50	57744			15.00- 40.00	19.57
3.188	3.420	(0.000)	75	114824			30.00- 60.00	38.92
3.188	3.420	(0.000)	96	21048			5.00- 9.00	7.13
3.188	3.420	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
3.188	3.420	(0.000)	174	218240			50.00- 100.00	73.97
3.188	3.420	(0.000)	175	16196			5.00- 9.00	7.42
3.188	3.420	(0.000)	176	209984			95.00- 101.00	96.22
3.188	3.420	(0.000)	177	13961			5.00- 9.00	6.65

Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT



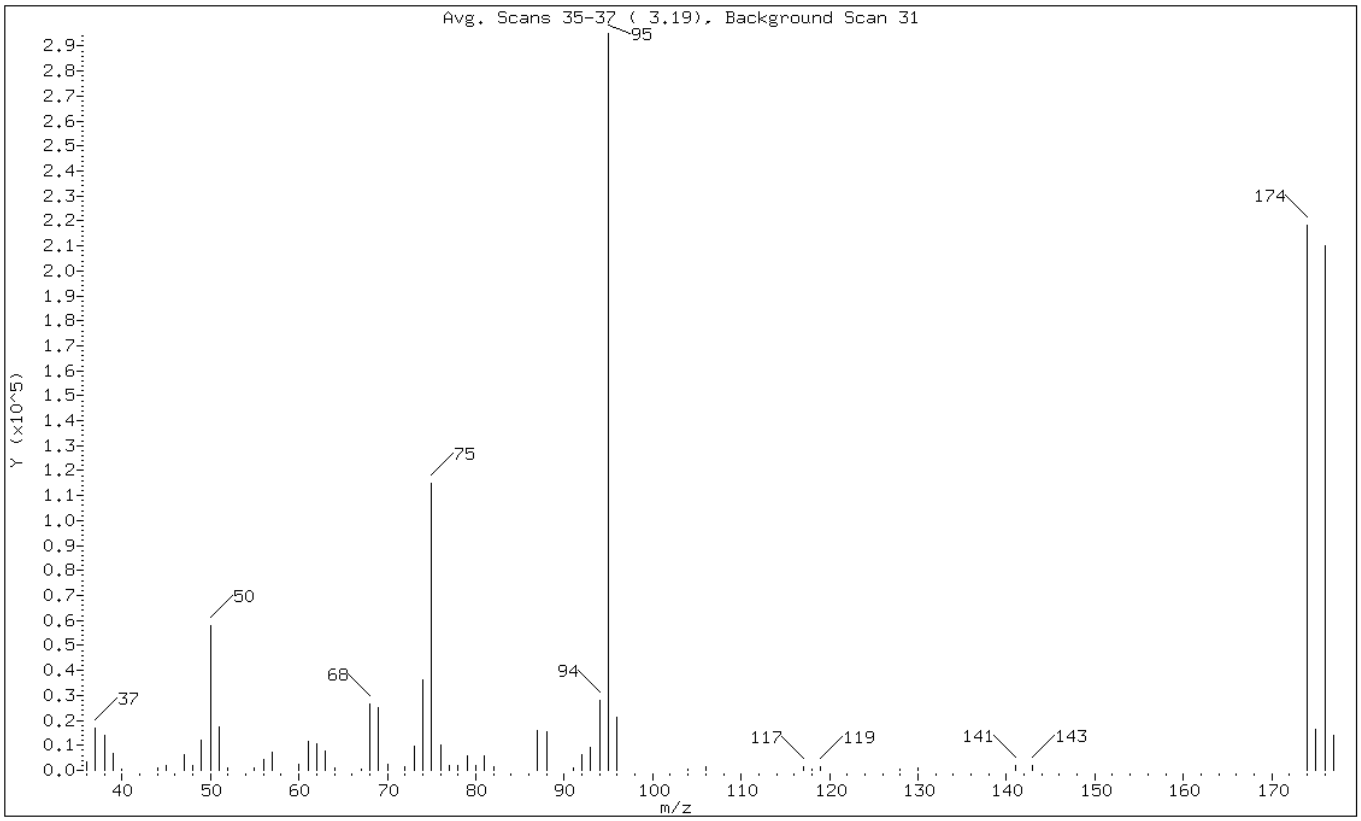
Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

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	19.57
75	30.00 - 60.00% of mass 95	38.92
96	5.00 - 9.00% of mass 95	7.13
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	73.97
175	5.00 - 9.00% of mass 174	5.49 (7.42)
176	95.00 - 101.00% of mass 174	71.17 (96.22)
177	5.00 - 9.00% of mass 176	4.73 (6.65)

Data File: NB918.D

Date: 27-JUL-2011 09:24

Client ID: BFB-621712 Instrument: msn.i

Sample Info: BFB-621712 Operator: D. HUMBERT

Data File: \\consvr05\Files\Chem\VOA\msn.i\N113996.b\NB918.D
Spectrum: Avg. Scans 35-37 (3.19), Background Scan 31
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3494	57.00	7040	77.00	2024	106.00	1296
37.00	16944	60.00	2491	78.00	1855	117.00	1489
38.00	14235	61.00	11574	79.00	5885	118.00	384
39.00	6736	62.00	10766	80.00	1732	119.00	1420
40.00	588	63.00	7871	81.00	5723	128.00	386
44.00	1096	64.00	945	82.00	1430	130.00	786
45.00	2065	67.00	718	87.00	15851	141.00	1809
47.00	6054	68.00	26528	88.00	15664	143.00	1740
48.00	1999	69.00	24896	91.00	765	174.00	218240
49.00	12041	70.00	2533	92.00	6265	175.00	16196
50.00	57744	72.00	1623	93.00	9285	176.00	209984
51.00	17280	73.00	9599	94.00	28168	177.00	13961
52.00	915	74.00	36008	95.00	295040		
55.00	1058	75.00	114824	96.00	21048		
56.00	4290	76.00	10245	104.00	587		

TestAmerica Inc

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\WB951.D
Lab Smp Id: BFB-595946 Client Smp ID: BFB-595946
Inj Date : 19-JUL-2011 14:53 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : BFB-595946
Misc Info : : ;;; ; 8260 ; 1 ; LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113408.b\WBFB8260.m
Meth Date : 01-Nov-2010 11:44 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

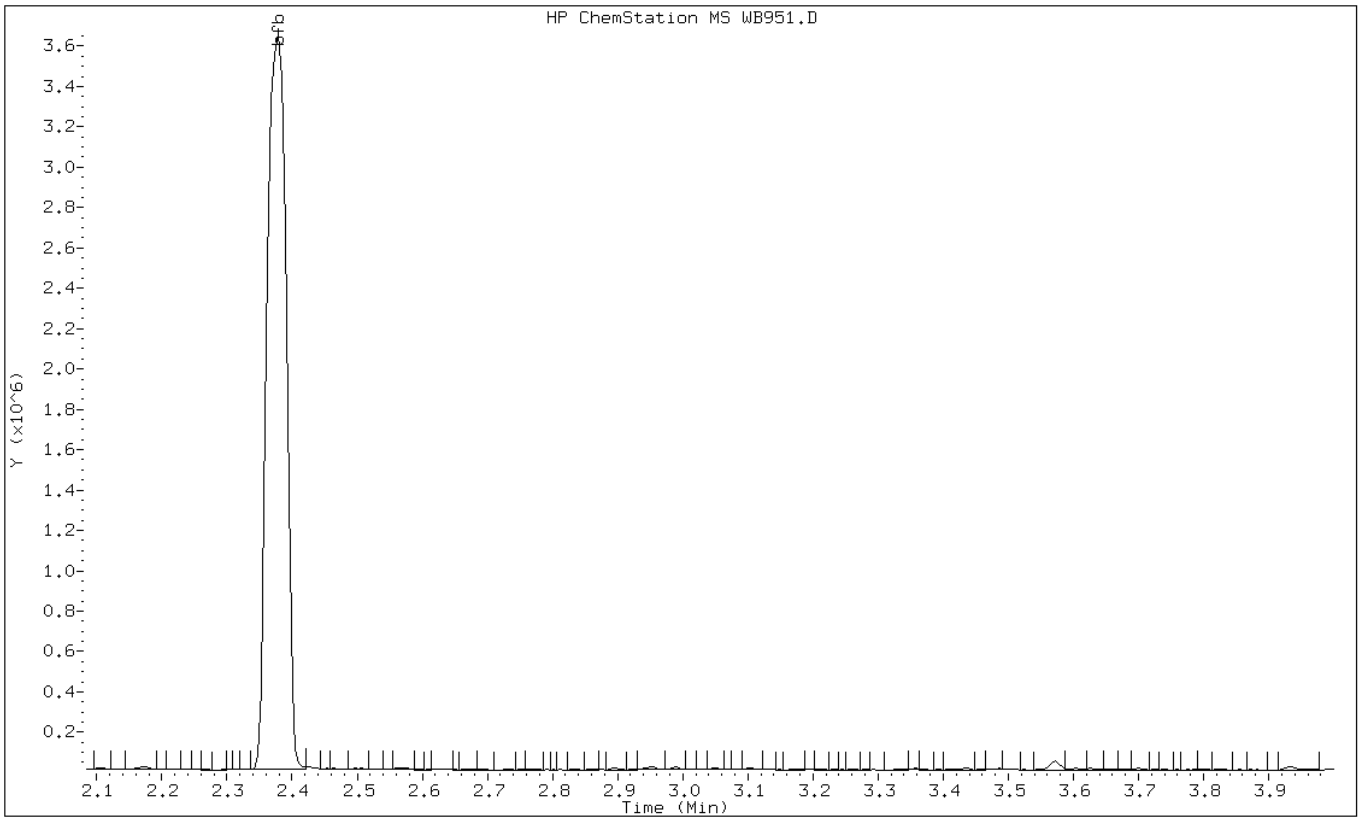
					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
2.378	2.400	(0.000)	95	709056			0.00- 100.00	100.00
2.378	2.400	(0.000)	50	141504			15.00- 40.00	19.96
2.378	2.400	(0.000)	75	355136			30.00- 60.00	50.09
2.378	2.400	(0.000)	96	45824			5.00- 9.00	6.46
2.378	2.400	(0.000)	173	0	0.0	0.0	0.00- 2.00	0.00
2.378	2.400	(0.000)	174	636032			50.00- 100.00	89.70
2.378	2.400	(0.000)	175	51456			5.00- 9.00	8.09
2.378	2.400	(0.000)	176	620160			95.00- 101.00	97.50
2.378	2.400	(0.000)	177	39784			5.00- 9.00	6.42

Data File: WB951.D

Date: 19-JUL-2011 14:53

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA



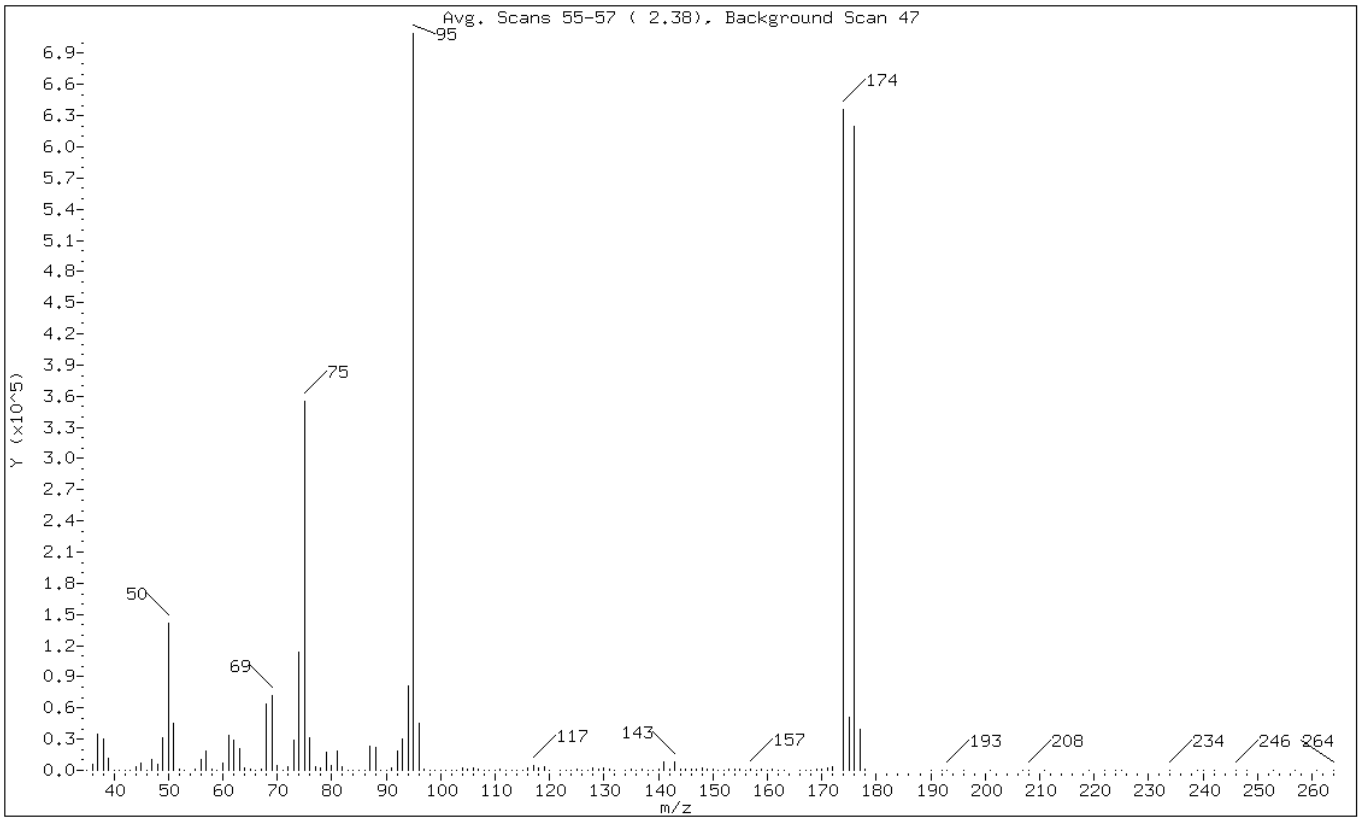
Data File: WB951.D

Date: 19-JUL-2011 14:53

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA

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	19.96
75	30.00 - 60.00% of mass 95	50.09
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	89.70
175	5.00 - 9.00% of mass 174	7.26 (8.09)
176	95.00 - 101.00% of mass 174	87.46 (97.50)
177	5.00 - 9.00% of mass 176	5.61 (6.42)

Data File: WB951.D

Date: 19-JUL-2011 14:53

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA

Data File: \\consvr05\Files\Chem\VOA\msw.i\W113408.b\WB951.D
Spectrum: Avg. Scans 55-57 (2.38), Background Scan 47
Location of Maximum: 95.00
Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	59	77.00	3011	118.00	2751	161.00	601
36.00	5475	78.00	2437	119.00	3447	162.00	211
37.00	35016	79.00	17616	120.00	37	163.00	201
38.00	30384	80.00	4128	122.00	263	166.00	164
39.00	11606	81.00	18160	123.00	175	167.00	570
40.00	399	82.00	3184	124.00	472	168.00	449
41.00	99	83.00	397	125.00	732	169.00	1211
42.00	65	84.00	188	126.00	59	170.00	646
43.00	154	85.00	20	127.00	282	171.00	2517
44.00	3983	86.00	103	128.00	2642	172.00	2909
45.00	6668	87.00	23536	129.00	1157	174.00	636032
46.00	289	88.00	22160	130.00	2633	175.00	51456
47.00	10404	89.00	189	131.00	876	176.00	620160
48.00	5256	90.00	103	132.00	162	177.00	39784
49.00	31912	91.00	2145	134.00	374	178.00	1561
50.00	141504	92.00	19064	135.00	1450	190.00	67
51.00	45400	93.00	30280	136.00	198	192.00	33
52.00	1537	94.00	81656	137.00	1371	193.00	124
53.00	217	95.00	709056	138.00	312	196.00	34
55.00	1472	96.00	45824	139.00	414	201.00	75
56.00	10270	97.00	1117	140.00	946	207.00	204
57.00	18720	98.00	33	141.00	7698	208.00	218
58.00	598	99.00	50	142.00	641	211.00	144
59.00	104	100.00	64	143.00	7995	219.00	36
60.00	6707	101.00	85	144.00	959	222.00	54
61.00	33600	102.00	50	145.00	872	224.00	48
62.00	29344	103.00	147	146.00	933	225.00	34
63.00	21184	104.00	2663	147.00	593	234.00	137
64.00	1908	105.00	1049	148.00	2161	239.00	42
65.00	1256	106.00	2518	149.00	617	240.00	38
66.00	49	107.00	715	150.00	1119	242.00	44
67.00	1317	108.00	119	151.00	180	246.00	83
68.00	63728	109.00	91	152.00	59	248.00	51
69.00	71472	110.00	212	153.00	867	253.00	33
70.00	4504	111.00	838	154.00	585	257.00	38
71.00	305	112.00	452	155.00	1314	261.00	81
72.00	3408	113.00	323	156.00	228	264.00	79
73.00	29072	114.00	95	157.00	1442		
74.00	113160	115.00	509	158.00	228		
75.00	355136	116.00	2717	159.00	1183		

76.00 30848	117.00 4412	160.00 203	

TestAmerica Inc

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\WB956.D
Lab Smp Id: BFB-595946 Client Smp ID: BFB-595946
Inj Date : 26-JUL-2011 11:10 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : BFB-595946
Misc Info : : ;;; ; 8260 ; 1 ; LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\WBFB8260.m
Meth Date : 01-Nov-2010 11:44 Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CON1004

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	2.000	Injection Volume
Cpnd Variable		Local Compound Variable

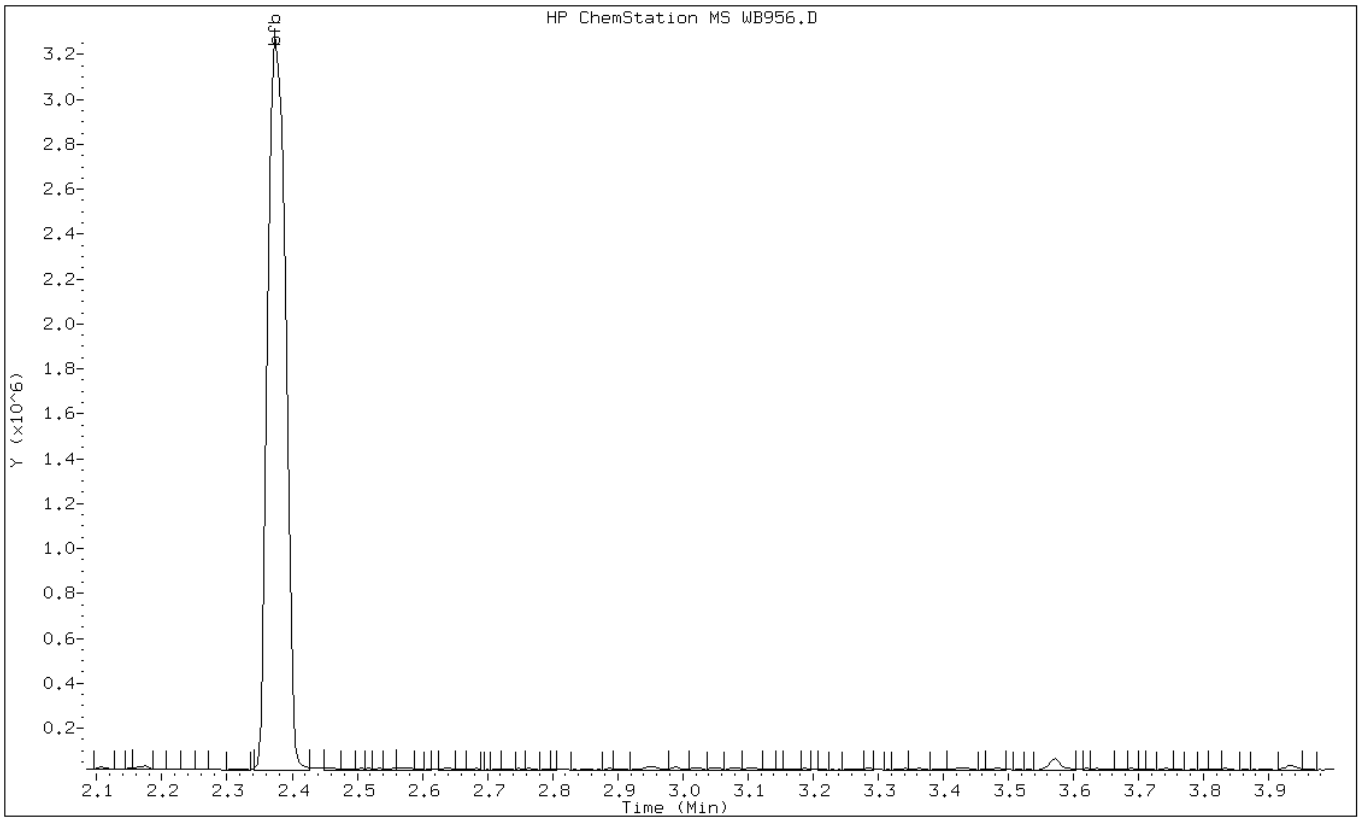
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
2.373	2.400	(0.000)	95	609280			0.00- 100.00	100.00
2.373	2.400	(0.000)	50	137344			15.00- 40.00	22.54
2.373	2.400	(0.000)	75	311872			30.00- 60.00	51.19
2.373	2.400	(0.000)	96	39936			5.00- 9.00	6.55
2.373	2.400	(0.000)	173	6790			0.00- 2.00	1.30
2.373	2.400	(0.000)	174	522368			50.00- 100.00	85.74
2.373	2.400	(0.000)	175	42592			5.00- 9.00	8.15
2.373	2.400	(0.000)	176	511872			95.00- 101.00	97.99
2.373	2.400	(0.000)	177	34424			5.00- 9.00	6.73

Data File: WB956.D

Date: 26-JUL-2011 11:10

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA



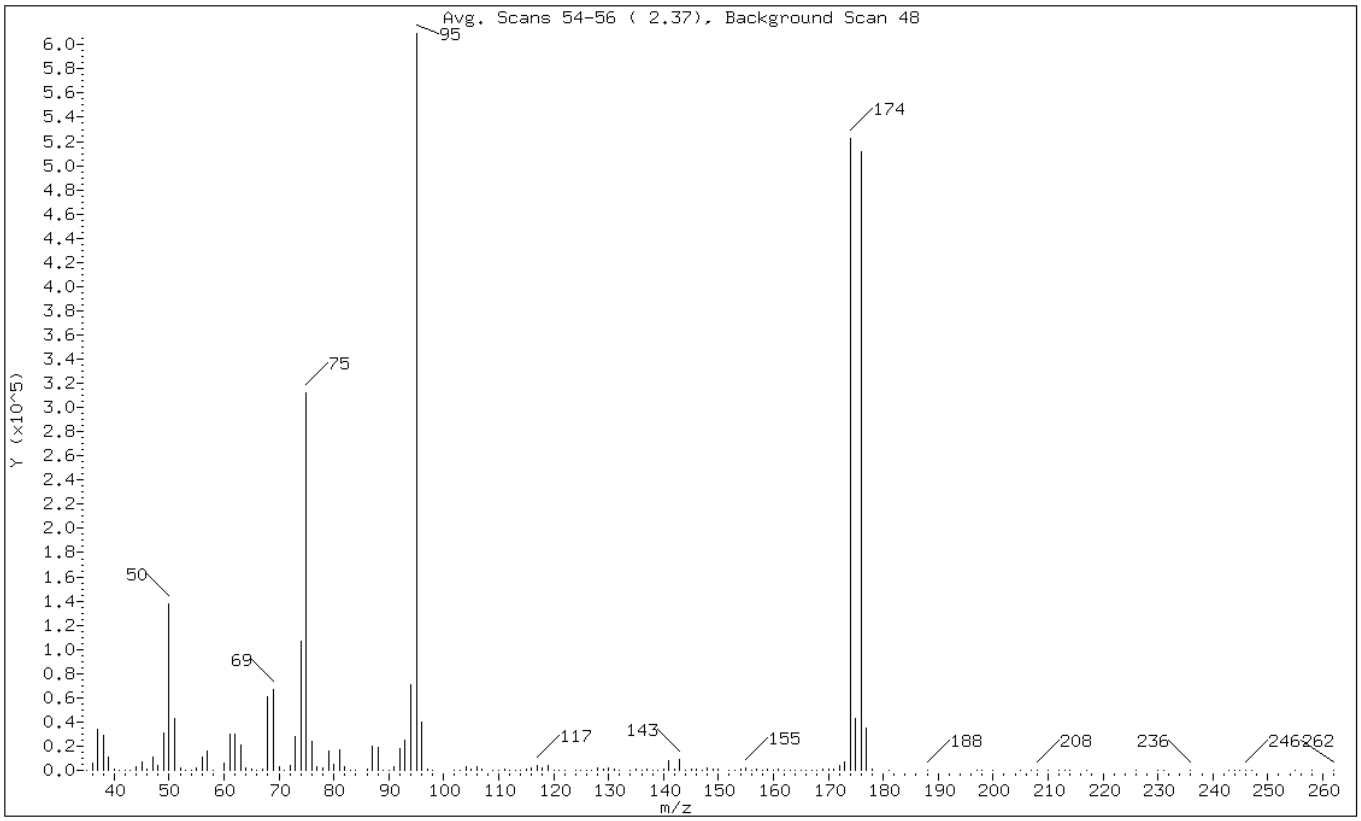
Data File: WB956.D

Date: 26-JUL-2011 11:10

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA

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	22.54
75	30.00 - 60.00% of mass 95	51.19
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	1.11 (1.30)
174	50.00 - 100.00% of mass 95	85.74
175	5.00 - 9.00% of mass 174	6.99 (8.15)
176	95.00 - 101.00% of mass 174	84.01 (97.99)
177	5.00 - 9.00% of mass 176	5.65 (6.73)

Data File: WB956.D

Date: 26-JUL-2011 11:10

Client ID: BFB-595946 Instrument: msw.i

Sample Info: BFB-595946 Operator: B.KOSTRZEWSKA

Data File: \\consvr05\Files\Chem\VOA\msw.i\W113572.b\WB956.D
Spectrum: Avg. Scans 54-56 (2.37), Background Scan 48
Location of Maximum: 95.00
Number of points: 160

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	117	77.00	3313	124.00	447	167.00	271
36.00	5772	78.00	1826	125.00	366	168.00	397
37.00	33440	79.00	15896	126.00	376	169.00	716
38.00	28744	80.00	5245	127.00	243	170.00	808
39.00	11217	81.00	17440	128.00	2293	171.00	579
40.00	626	82.00	3468	129.00	1141	172.00	4450
41.00	54	83.00	315	130.00	2481	173.00	6790
42.00	48	84.00	84	131.00	927	174.00	522368
43.00	440	86.00	668	132.00	241	175.00	42592
44.00	3480	87.00	20288	134.00	108	176.00	511872
45.00	6758	88.00	18584	135.00	1180	177.00	34424
46.00	1058	89.00	130	136.00	273	178.00	1048
47.00	11115	90.00	134	137.00	996	181.00	36
48.00	4288	91.00	2752	138.00	129	188.00	120
49.00	31096	92.00	17696	139.00	246	197.00	43
50.00	137344	93.00	25416	140.00	708	198.00	50
51.00	43368	94.00	70968	141.00	7831	200.00	47
52.00	1992	95.00	609280	142.00	936	205.00	39
53.00	182	96.00	39936	143.00	8601	207.00	191
54.00	12	97.00	1220	144.00	468	208.00	227
55.00	1603	98.00	164	145.00	1353	210.00	64
56.00	10636	102.00	38	146.00	1035	212.00	45
57.00	16128	103.00	323	147.00	229	213.00	43
58.00	492	104.00	2503	148.00	1647	214.00	47
60.00	6144	105.00	507	149.00	522	217.00	93
61.00	30296	106.00	2537	150.00	810	226.00	36
62.00	30176	107.00	627	152.00	396	230.00	69
63.00	20760	109.00	66	153.00	383	231.00	53
64.00	2460	110.00	433	154.00	691	236.00	109
65.00	892	111.00	725	155.00	1777	243.00	36
66.00	186	112.00	136	156.00	285	244.00	51
67.00	1454	113.00	236	157.00	1244	245.00	46
68.00	60464	114.00	91	158.00	198	246.00	54
69.00	67104	115.00	839	159.00	769	247.00	37
70.00	3470	116.00	2293	160.00	207	255.00	36
71.00	413	117.00	3668	161.00	1236	258.00	37
72.00	3938	118.00	2066	162.00	52	262.00	83
73.00	27696	119.00	3649	163.00	289		
74.00	106536	120.00	91	164.00	83		
75.00	311872	121.00	143	165.00	262		

76.00	24384	122.00	196	166.00	152		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53359/3

Matrix: Water | Lab File ID: W3577.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 13:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	1.1
75-01-4	Vinyl chloride	5.0	U	5.0	0.99
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	1.1
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.83
75-15-0	Carbon disulfide	5.0	U	5.0	0.90
75-09-2	Methylene Chloride	1.47	J	5.0	0.78
67-64-1	Acetone	1.44	J	10	1.0
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.76
75-34-3	1,1-Dichloroethane	5.0	U	5.0	1.0
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.99
67-66-3	Chloroform	5.0	U	5.0	0.67
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.69
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.1
78-93-3	2-Butanone (MEK)	10	U	10	1.1
71-43-2	Benzene	5.0	U	5.0	0.74
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.72
79-01-6	Trichloroethene	5.0	U	5.0	0.62
74-95-3	Dibromomethane	5.0	U	5.0	0.70
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.71
75-27-4	Bromodichloromethane	5.0	U	5.0	0.48
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.57
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
108-88-3	Toluene	5.0	U	5.0	0.72
108-10-1	methyl isobutyl ketone	10	U	10	0.38
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.1
108-90-7	Chlorobenzene	5.0	U	5.0	0.72
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.93
100-41-4	Ethylbenzene	5.0	U	5.0	0.87
100-42-5	Styrene	5.0	U	5.0	0.64
75-25-2	Bromoform	5.0	U	5.0	0.46
98-82-8	Isopropylbenzene	5.0	U	5.0	0.85
103-65-1	N-Propylbenzene	5.0	U	5.0	0.62
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	0.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-53359/3

Matrix: Water Lab File ID: W3577.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2011 13:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53359 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.0	U	5.0	0.75
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	0.64
135-98-8	sec-Butylbenzene	5.0	U	5.0	0.79
99-87-6	p-Isopropyltoluene	5.0	U	5.0	0.81
104-51-8	n-Butylbenzene	5.0	U	5.0	0.67
91-20-3	Naphthalene	5.0	U	5.0	0.34
1330-20-7	Xylenes, Total	5.0	U	5.0	2.3
179601-23-1	m&p-Xylene	5.0	U	5.0	1.7
95-47-6	o-Xylene	5.0	U	5.0	0.66
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	87		68-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		65-136
2037-26-5	Toluene-d8 (Surr)	88		63-127
460-00-4	4-Bromofluorobenzene	88		51-142

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W3577.D
Lab Smp Id: MB-595902 Client Smp ID: MB-595902
Inj Date : 26-JUL-2011 13:38 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : MB-595902
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\chem\VOA\msw.i\W113572.b\W8260LOW.m
Meth Date : 26-Jul-2011 11:41 barbara Quant Type: ISTD
Cal Date : 19-JUL-2011 17:47 Cal File: W3414.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: CON1004

Concentration Formula:
Amt * DF * Uf *(Vt *1000)/(Va*Ws*(((100 - M)/100))) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Vt	10.000	Volume of final extract (mL)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

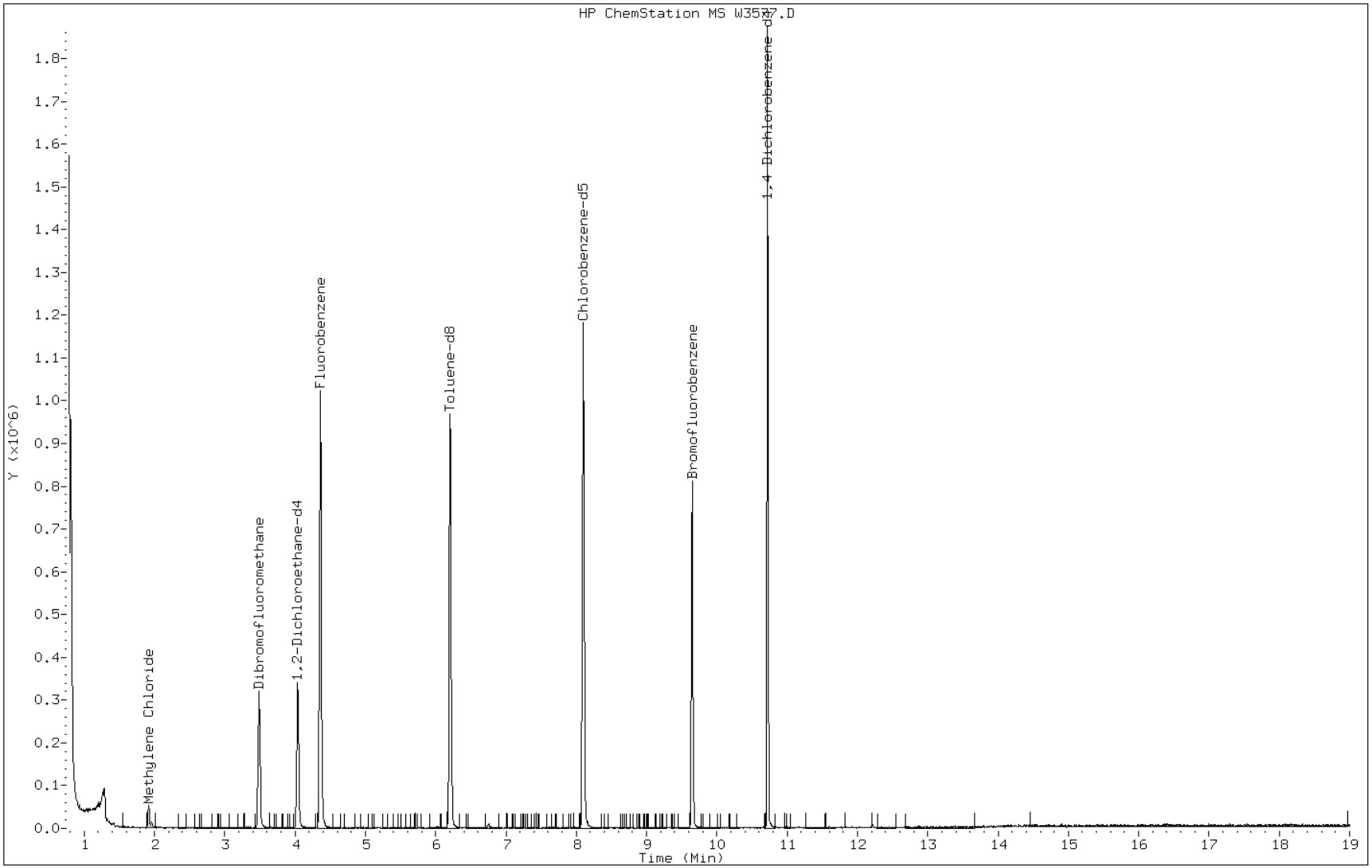
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
*	1 Fluorobenzene	96	4.358	4.358	(1.000)	895249	25.0000	
	20 Methylene Chloride	84	1.918	1.918	(0.440)	16488	1.46754	150
	21 Acetone	43	1.966	1.956	(0.451)	5754	1.43554	140
$	41 Dibromofluoromethane	111	3.486	3.486	(0.800)	206585	21.6676	22
$	55 1,2-Dichloroethane-d4	65	4.037	4.037	(0.926)	254799	21.4429	21
*	75 Chlorobenzene-d5	117	8.097	8.097	(1.000)	681097	25.0000	
$	77 Toluene-d8	98	6.203	6.203	(0.766)	661799	21.9861	22
*	95 1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	359382	25.0000	
$	125 Bromofluorobenzene	95	9.648	9.649	(0.900)	220392	21.9486	22

Data File: W3577.D

Date: 26-JUL-2011 13:38

Client ID: MB-595902 Instrument: msw.i

Sample Info: MB-595902 Operator: B.KOSTRZEWSKA



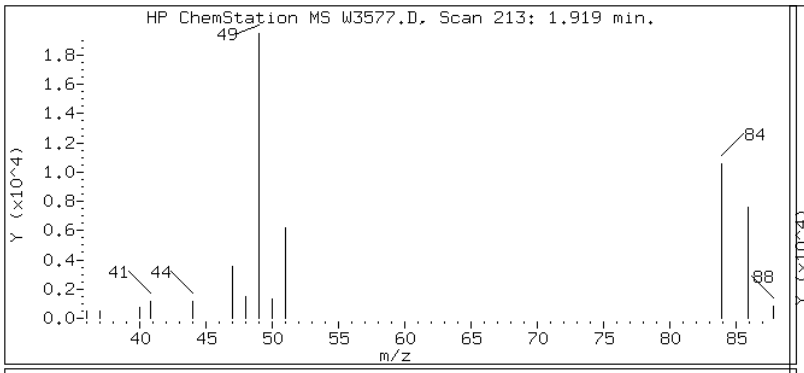
Data File: W3577.D

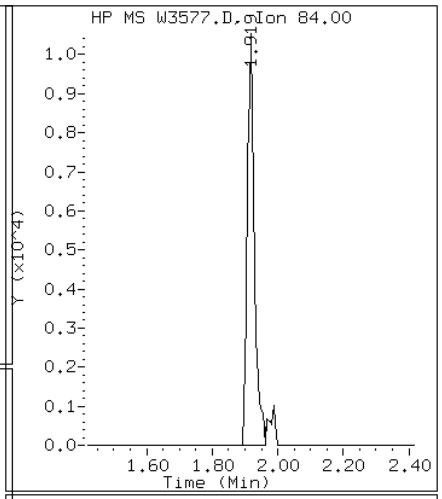
Date: 26-JUL-2011 13:38

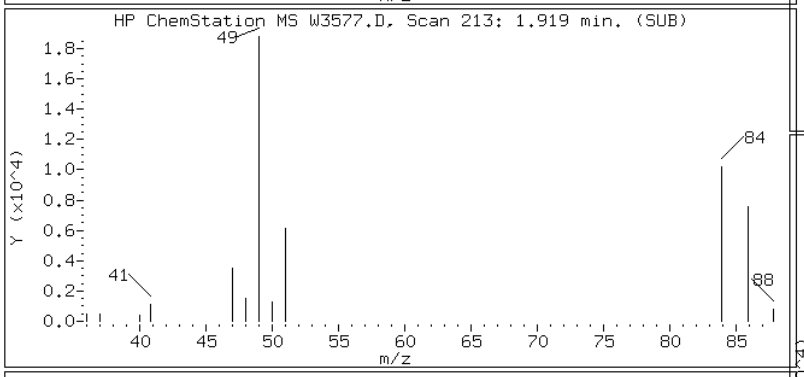
Client ID: MB-595902 Instrument: msw.i

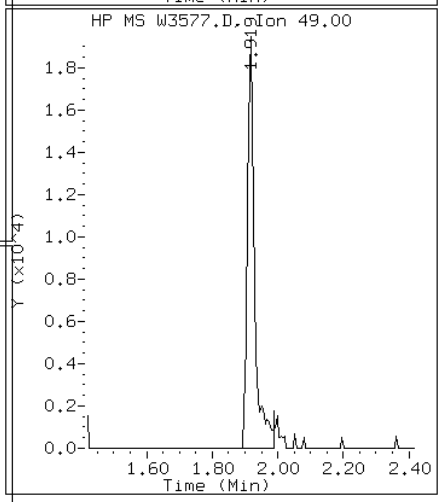
Sample Info: MB-595902 Operator: B.KOSTRZEWSKA

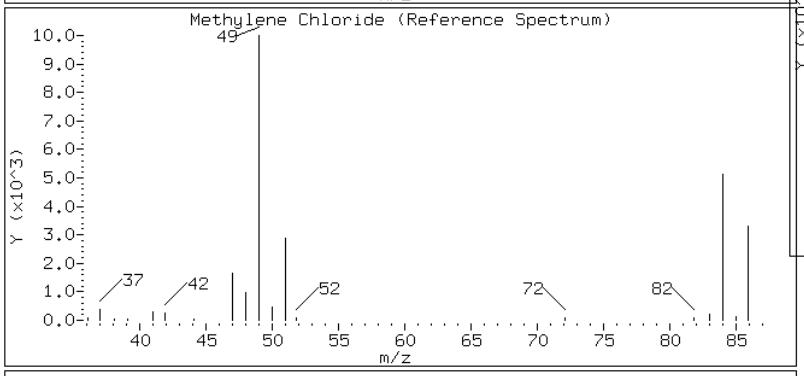
20 Methylene Chloride

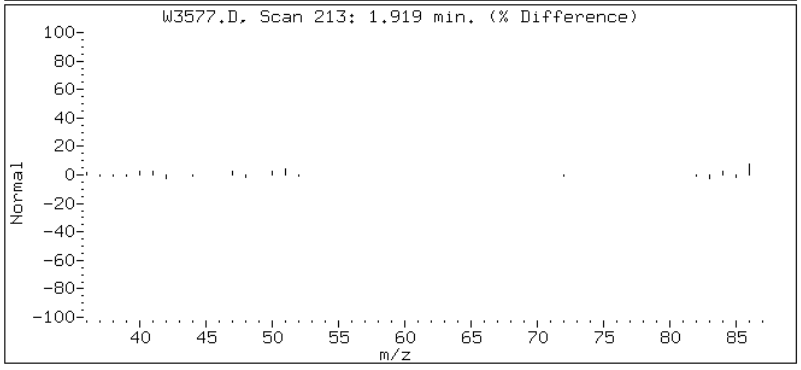












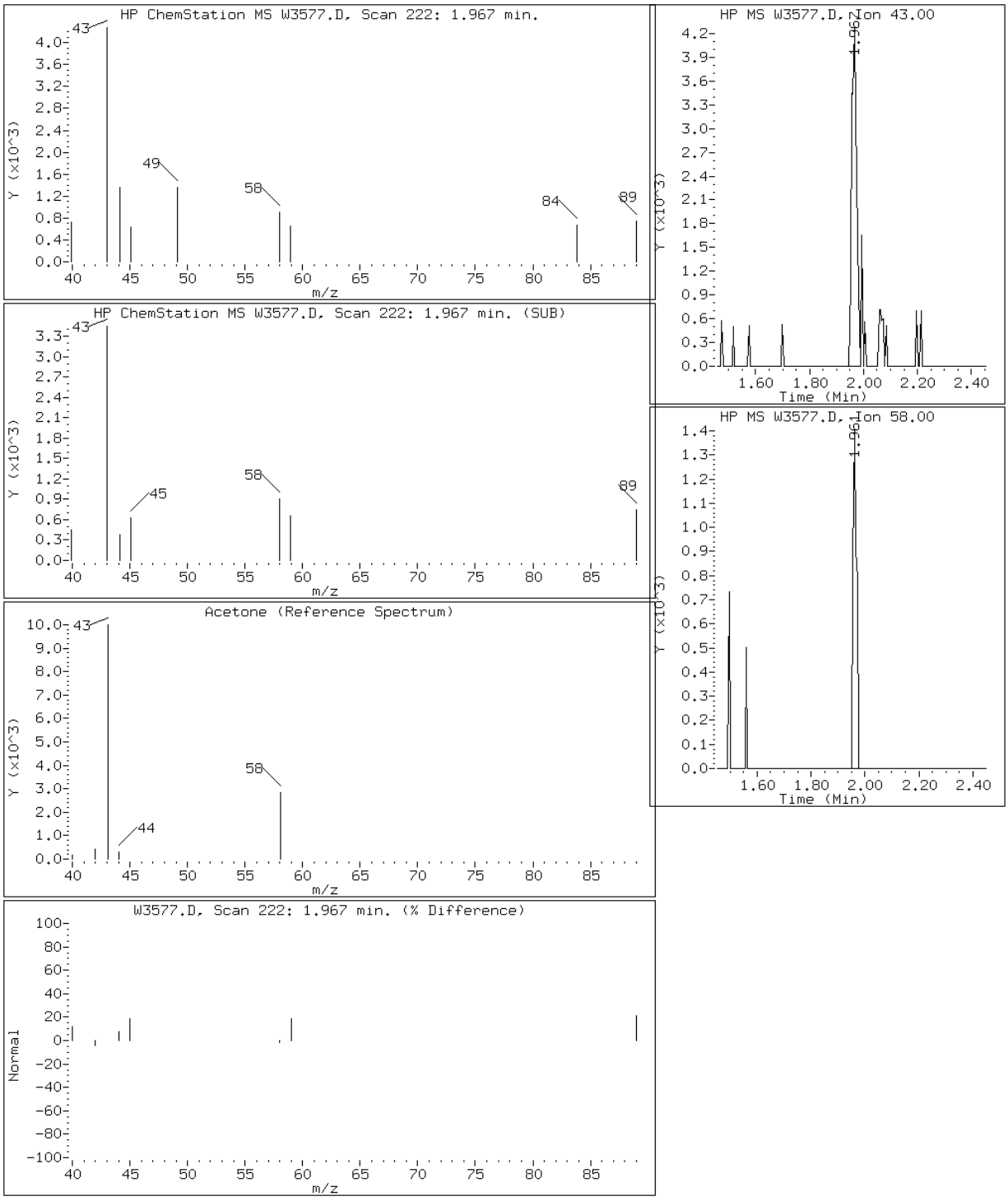
Data File: W3577.D

Date: 26-JUL-2011 13:38

Client ID: MB-595902 Instrument: msw.i

Sample Info: MB-595902 Operator: B.KOSTRZEWSKA

21 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53434/3

Matrix: Solid | Lab File ID: N4001.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 12:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.78
75-01-4	Vinyl chloride	5.0	U	5.0	0.23
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-00-3	Chloroethane	5.0	U	5.0	0.98
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.58
75-15-0	Carbon disulfide	5.0	U	5.0	0.41
75-09-2	Methylene Chloride	5.03	J	20	1.1
67-64-1	Acetone	20	U	20	2.2
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	0.39
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.37
67-66-3	Chloroform	5.0	U	5.0	0.34
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.53
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.95
78-93-3	2-Butanone (MEK)	10	U	10	1.6
71-43-2	Benzene	5.0	U	5.0	0.57
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.58
79-01-6	Trichloroethene	5.0	U	5.0	0.81
74-95-3	Dibromomethane	5.0	U	5.0	0.64
78-87-5	1,2-Dichloropropane	5.0	U	5.0	0.67
75-27-4	Bromodichloromethane	5.0	U	5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	0.56
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	0.27
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.37
108-88-3	Toluene	5.0	U	5.0	0.074
108-10-1	methyl isobutyl ketone	5.0	U	5.0	0.55
127-18-4	Tetrachloroethene	5.0	U	5.0	0.81
591-78-6	2-Hexanone	10	U	10	1.2
108-90-7	Chlorobenzene	5.0	U	5.0	0.59
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U	5.0	0.52
100-41-4	Ethylbenzene	5.0	U	5.0	0.70
100-42-5	Styrene	5.0	U	5.0	0.15
75-25-2	Bromoform	5.0	U	5.0	0.61
98-82-8	Isopropylbenzene	5.0	U	5.0	0.19
103-65-1	N-Propylbenzene	5.0	U	5.0	0.61
108-67-8	1,3,5-Trimethylbenzene	5.0	U	5.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 220-53434/3

Matrix: Solid Lab File ID: N4001.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 07/27/2011 12:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 53434 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	5.0	U	5.0	0.29
95-63-6	1,2,4-Trimethylbenzene	5.0	U	5.0	0.76
135-98-8	sec-Butylbenzene	5.0	U	5.0	0.53
99-87-6	p-Isopropyltoluene	5.0	U	5.0	0.53
104-51-8	n-Butylbenzene	5.0	U	5.0	1.1
91-20-3	Naphthalene	5.0	U	5.0	0.29
1330-20-7	Xylenes, Total	5.0	U	5.0	0.49
179601-23-1	m&p-Xylene	5.0	U	5.0	0.35
95-47-6	o-Xylene	5.0	U	5.0	0.19
1634-04-4	Methyl tert-butyl ether	5.0	U	5.0	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	83		59-123
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		59-132
2037-26-5	Toluene-d8 (Surr)	89		50-118
460-00-4	4-Bromofluorobenzene	97		34-124

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N4001.D
Lab Smp Id: MB-621707 Client Smp ID: MB-621707
Inj Date : 27-JUL-2011 12:24 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : MB-621707
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 60
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

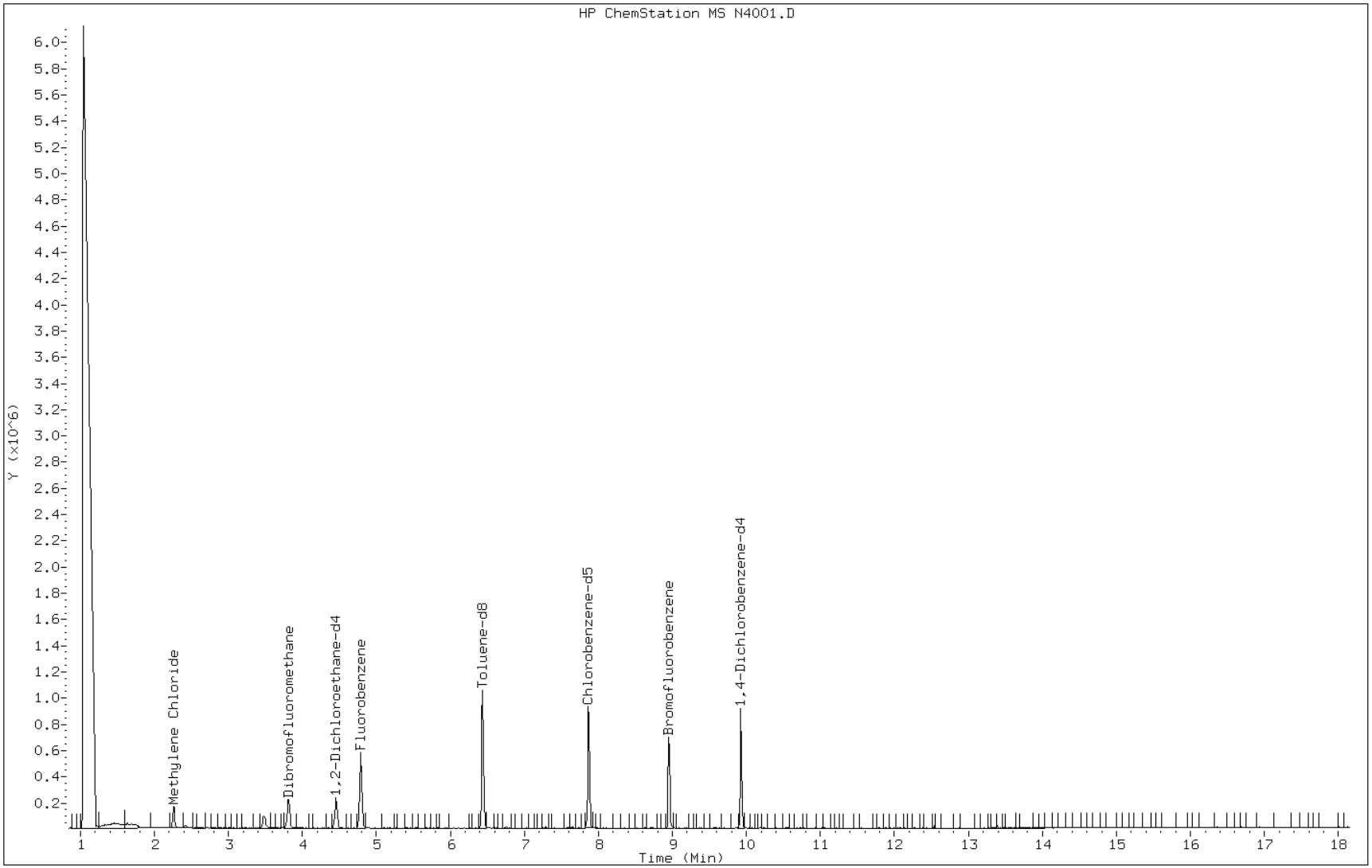
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
* 1 Fluorobenzene	96	4.791	4.785	(1.000)	622785	25.0000	
20 Methylene Chloride	84	2.269	2.263	(0.474)	59546	5.02969	5
21 Acetone	43	2.288	2.283	(0.478)	13273	2.07591	2
$ 41 Dibromofluoromethane	111	3.805	3.810	(0.794)	190702	20.6496	21
$ 55 1,2-Dichloroethane-d4	65	4.456	4.450	(0.930)	169043	20.7775	21
* 75 Chlorobenzene-d5	117	7.874	7.868	(1.000)	525122	25.0000	
$ 77 Toluene-d8	98	6.436	6.430	(0.817)	669659	22.1537	22
* 95 1,4-Dichlorobenzene-d4	152	9.923	9.927	(1.000)	210548	25.0000	
$ 125 Bromofluorobenzene	95	8.948	8.952	(0.902)	254720	24.2963	24

Data File: N4001.D

Date: 27-JUL-2011 12:24

Client ID: MB-621707 Instrument: msn.i

Sample Info: MB-621707 Operator: D. HUMBERT



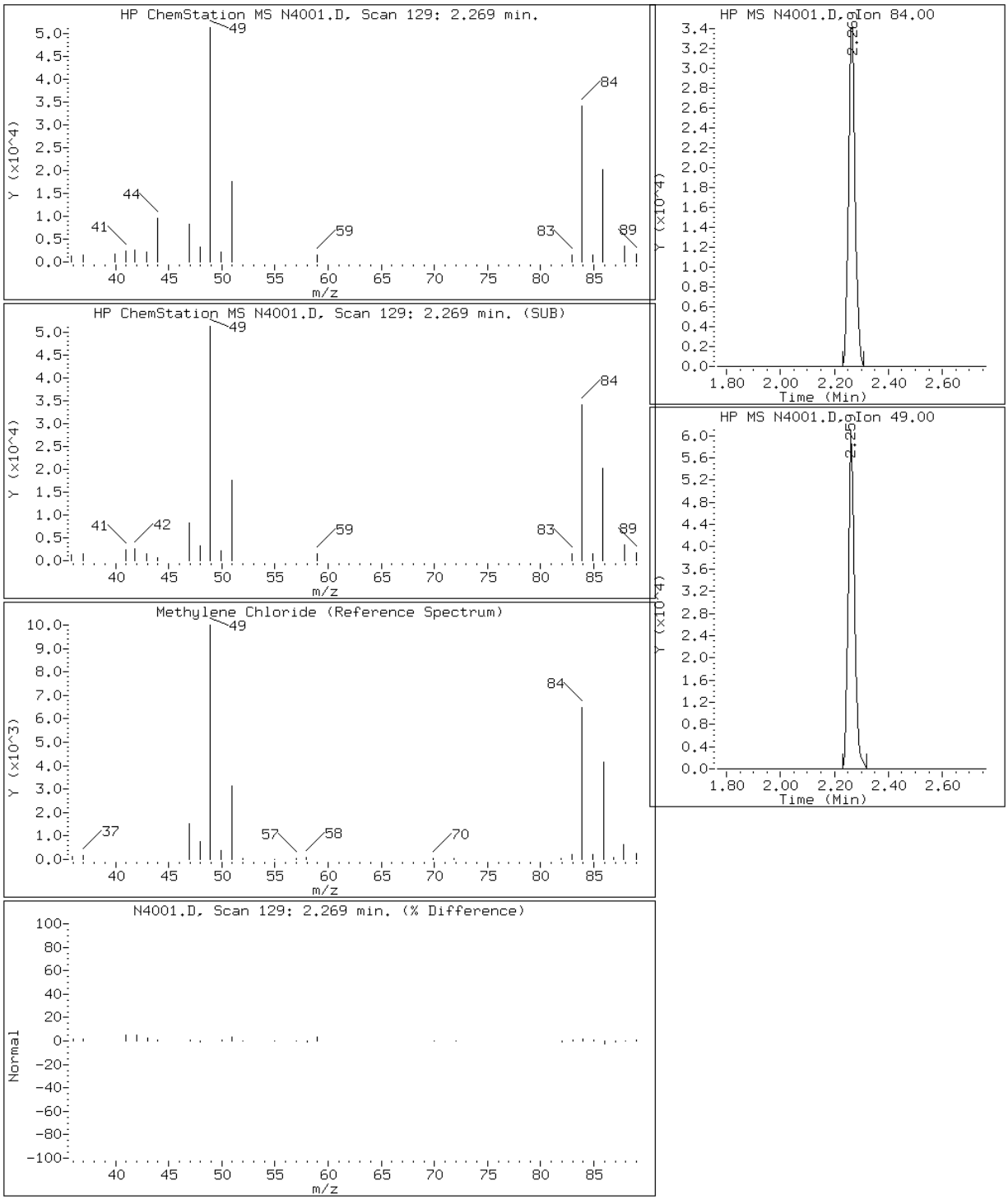
Data File: N4001.D

Date: 27-JUL-2011 12:24

Client ID: MB-621707 Instrument: msn.i

Sample Info: MB-621707 Operator: D. HUMBERT

20 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53359/2

Matrix: Water | Lab File ID: W3573.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	10.4		5.0	1.1
75-01-4	Vinyl chloride	10.3		5.0	0.99
74-83-9	Bromomethane	12.7		5.0	2.1
75-00-3	Chloroethane	10.4		5.0	1.1
75-35-4	1,1-Dichloroethene	9.46		5.0	0.83
75-15-0	Carbon disulfide	9.30		5.0	0.90
75-09-2	Methylene Chloride	8.25		5.0	0.78
67-64-1	Acetone	6.83	J	10	1.0
156-60-5	trans-1,2-Dichloroethene	9.49		5.0	0.76
75-34-3	1,1-Dichloroethane	9.60		5.0	1.0
156-59-2	cis-1,2-Dichloroethene	9.17		5.0	0.99
67-66-3	Chloroform	9.04		5.0	0.67
71-55-6	1,1,1-Trichloroethane	9.86		5.0	0.69
56-23-5	Carbon tetrachloride	10.5		5.0	1.1
78-93-3	2-Butanone (MEK)	8.44	J	10	1.1
71-43-2	Benzene	9.41		5.0	0.74
107-06-2	1,2-Dichloroethane	9.86		5.0	0.72
79-01-6	Trichloroethene	8.84		5.0	0.62
74-95-3	Dibromomethane	9.20		5.0	0.70
78-87-5	1,2-Dichloropropane	9.30		5.0	0.71
75-27-4	Bromodichloromethane	9.45		5.0	0.48
10061-01-5	cis-1,3-Dichloropropene	8.82		5.0	0.28
10061-02-6	trans-1,3-Dichloropropene	9.19		5.0	0.57
79-00-5	1,1,2-Trichloroethane	8.79		5.0	0.65
108-88-3	Toluene	9.42		5.0	0.72
108-10-1	methyl isobutyl ketone	10.0		10	0.38
127-18-4	Tetrachloroethene	9.88		5.0	0.81
591-78-6	2-Hexanone	9.56	J	10	1.1
108-90-7	Chlorobenzene	9.43		5.0	0.72
630-20-6	1,1,1,2-Tetrachloroethane	9.43		5.0	0.93
100-41-4	Ethylbenzene	9.05		5.0	0.87
100-42-5	Styrene	9.21		5.0	0.64
75-25-2	Bromoform	9.31		5.0	0.46
98-82-8	Isopropylbenzene	9.59		5.0	0.85
103-65-1	N-Propylbenzene	9.85		5.0	0.62
108-67-8	1,3,5-Trimethylbenzene	10.1		5.0	0.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53359/2

Matrix: Water | Lab File ID: W3573.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 07/26/2011 11:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53359 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	9.87		5.0	0.75
95-63-6	1,2,4-Trimethylbenzene	9.80		5.0	0.64
135-98-8	sec-Butylbenzene	9.83		5.0	0.79
99-87-6	p-Isopropyltoluene	9.64		5.0	0.81
104-51-8	n-Butylbenzene	9.53		5.0	0.67
91-20-3	Naphthalene	7.97		5.0	0.34
1330-20-7	Xylenes, Total	27.5		5.0	2.3
179601-23-1	m&p-Xylene	18.5		5.0	1.7
95-47-6	o-Xylene	9.00		5.0	0.66
1634-04-4	Methyl tert-butyl ether	8.78		5.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	89		68-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		65-136
2037-26-5	Toluene-d8 (Surr)	89		63-127
460-00-4	4-Bromofluorobenzene	90		51-142

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W3573.D
Lab Smp Id: LCS-633451 Client Smp ID: LCS-633451
Inj Date : 26-JUL-2011 11:57 MS Autotune Date: 19-AUG-2010 11:49
Operator : B.KOSTRZEWSKA Inst ID: msw.i
Smp Info : LCS-633451
Misc Info : : ;;; ; 8260 LLW
Comment :
Method : \\consvr05\Files\Chem\VOA\msw.i\W113572.b\W8260LOW.m
Meth Date : 26-Jul-2011 11:41 barbara Quant Type: ISTD
Cal Date : 19-JUL-2011 17:47 Cal File: W3414.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.358	4.358	(1.000)	887893	25.0000	
2	Dichlorodifluoromethane	85	0.854	0.854	(0.196)	83201	10.6046	11
3	Chloromethane	50	0.950	0.950	(0.218)	124109	10.3648	10
4	Vinyl Chloride	62	0.987	0.987	(0.227)	97675	10.3203	10
5	Bromomethane	94	1.148	1.148	(0.263)	54532	12.7314	13
6	Chloroethane	64	1.212	1.212	(0.278)	48851	10.4057	10
7	Trichlorofluoromethane	101	1.282	1.287	(0.294)	167390	9.64900	10
8	Dichlorofluoromethane	67	1.314	1.314	(0.302)	151483	10.8948	11
9	Ethyl Ether	45	1.453	1.453	(0.333)	64668	9.39577	9
10	Ethanol	45	1.496	1.501	(0.343)	41491	105.150	100
12	Freon 123	67	1.592	1.597	(0.365)	17537	9.66470	10
13	Trichlorotrifluoroethane	101	1.587	1.587	(0.364)	73314	9.30867	9
14	1,1-Dichloroethene	96	1.560	1.560	(0.358)	59323	9.45598	9
15	Carbon Disulfide	76	1.571	1.576	(0.360)	216040	9.29666	9
16	Iodomethane	142	1.645	1.645	(0.378)	86345	11.9792	12
17	Acrolein	56	1.758	1.763	(0.403)	41259	38.2475	38
18	2-Propanol	45	1.881	1.881	(0.432)	10380	8.58250	8
19	3-Chloro-1-Propene	41	1.849	1.849	(0.424)	162056	9.65989	10
20	Methylene Chloride	84	1.918	1.918	(0.440)	91934	8.25052	8
21	Acetone	43	1.950	1.956	(0.448)	27169	6.83444	7
22	trans-1,2-Dichloroethene	96	2.025	2.031	(0.465)	67161	9.49138	9
23	Methyl Acetate	43	2.041	2.047	(0.468)	398240	10.4781	10
24	Methyl tert-Butyl Ether	73	2.111	2.116	(0.484)	196755	8.78189	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	25 tert-Butyl alcohol	59	2.191	2.202	(0.503)	37239	53.0432	53
	26 Acetonitrile	41	2.282	2.282	(0.524)	110172	101.550	100
	27 Isopropyl ether	45	2.421	2.421	(0.556)	341713	9.43346	9
	28 tert-Butyl ethyl ether	59	2.737	2.747	(0.628)	259573	8.93314	9
	29 2-Chloro-1,3-Butadiene	88	2.475	2.480	(0.568)	61977	8.92659	9
	30 Acrylonitrile	53	2.539	2.539	(0.583)	58692	19.2889	19
	31 1,1-Dichloroethane	63	2.496	2.496	(0.573)	152286	9.59576	10
	32 Vinyl Acetate	43	2.742	2.747	(0.629)	180191	7.60318	8
	33 cis-1,2-Dichloroethene	96	2.999	3.004	(0.688)	73087	9.17098	9
	34 2,2-Dichloropropane	77	3.106	3.106	(0.713)	118922	9.64028	10
	35 Bromochloromethane	128	3.191	3.197	(0.732)	39461	9.14139	9
	37 Cyclohexane	84	3.197	3.208	(0.734)	75752	9.95168	10
	38 Chloroform	83	3.298	3.298	(0.757)	146972	9.03865	9
	39 Ethyl Acetate	43	3.459	3.454	(0.794)	18149	16.4825	16(R)
	40 Methyl Acrylate	55	3.459	3.459	(0.794)	73383	10.1595	10
$	41 Dibromofluoromethane	111	3.486	3.486	(0.800)	210238	22.2334	22
	42 Tetrahydrofuran	42	3.443	3.454	(0.790)	60364	20.0206	20
	43 Carbon Tetrachloride	117	3.411	3.422	(0.783)	127970	10.4769	10
	44 1,1,1-Trichloroethane	97	3.486	3.491	(0.800)	136954	9.85548	10
	45 2-Butanone	43	3.630	3.630	(0.833)	37901	8.44010	8
	46 1,1-Dichloropropene	75	3.625	3.630	(0.832)	100972	9.51365	10
	47 tert-Amyl methyl ether	73	4.069	4.074	(0.934)	180714	8.85369	9
	49 1-Chlorobutane	56	3.689	3.694	(0.847)	179305	9.59618	10
	50 Heptane	43	3.175	3.181	(0.729)	177221	10.1902	10
	51 Propionitrile	54	3.924	3.919	(0.901)	111768	99.6950	100
	52 Benzene	78	3.887	3.892	(0.892)	289494	9.40964	9
	53 2-Methyl-2-Propenenitrile	41	3.946	3.951	(0.905)	52762	9.74761	10(M)
	54 Isobutyl alcohol	42	4.256	4.261	(0.977)	20965	109.613	110
$	55 1,2-Dichloroethane-d4	65	4.037	4.037	(0.926)	260229	22.0813	22
	56 1,2-Dichloroethane	62	4.112	4.117	(0.944)	127797	9.85729	10
	59 Methyl Cyclohexane	83	4.524	4.529	(1.038)	73027	8.95360	9
	60 Trichloroethene	130	4.550	4.550	(1.044)	75803	8.83706	9
	63 Dibromomethane	93	5.010	5.010	(1.150)	49318	9.19860	9
	64 1,2-Dichloropropane	63	5.128	5.128	(1.177)	90452	9.30255	9
	65 Bromodichloromethane	83	5.235	5.235	(1.201)	104804	9.44593	9
	174 Ethyl Acrylate	55	5.256	5.262	(1.206)	104033	9.55718	10
	66 Methyl Methacrylate	69	5.492	5.497	(1.260)	43929	8.87744	9
	67 1,4-Dioxane	58	5.481	5.481	(1.258)	4788	62.8101	63
	69 2-Chloroethylvinylether	63	5.973	5.973	(1.371)	35207	8.31975	8
	70 cis-1,3-Dichloropropene	75	5.984	5.989	(1.373)	115334	8.81628	9
	71 Chloroacetonitrile	48	6.482	6.482	(1.487)	29765	111.756	110(R)
	72 2-Nitropropane	41	6.535	6.530	(1.500)	44247	21.9047	22
	73 trans-1,3-Dichloropropene	75	6.803	6.803	(1.561)	110061	9.19448	9
	74 1,1,2-Trichloroethane	97	6.979	6.979	(1.601)	59359	8.78873	9
*	75 Chlorobenzene-d5	117	8.097	8.097	(1.000)	696774	25.0000	
	76 Toluene	91	6.262	6.262	(0.773)	310796	9.42043	9
$	77 Toluene-d8	98	6.203	6.203	(0.766)	687270	22.3186	22
	78 1,1-Dichloro-2-propanone	43	6.551	6.551	(0.809)	209479	52.3160	52
	79 4-Methyl-2-Pentanone	43	6.781	6.781	(0.837)	87279	10.0468	10
	80 Tetrachloroethene	164	6.712	6.717	(0.829)	61374	9.88380	10
	81 Ethyl Methacrylate	69	7.091	7.091	(0.876)	69604	9.10664	9
	82 Dibromochloromethane	129	7.177	7.177	(0.886)	82408	8.97228	9
	83 1,3-Dichloropropane	76	7.295	7.300	(0.901)	107244	9.58036	10
	84 1,2-Dibromoethane	107	7.412	7.412	(0.915)	66713	9.37620	9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
86	2-Hexanone	43	7.840	7.840	(0.968)	54717	9.56078	10
87	1-Chlorohexane	91	8.188	8.193	(1.011)	60963	7.36180	7(M)
88	Chlorobenzene	112	8.119	8.119	(1.003)	201348	9.42645	9
89	1,1,1,2-Tetrachloroethane	131	8.231	8.231	(1.017)	79444	9.43478	9
90	Ethylbenzene	106	8.210	8.215	(1.014)	98536	9.04728	9
91	Xylene (total)mp	106	8.413	8.413	(1.039)	240838	18.5232	18
92	Xylene (total)o	106	8.953	8.953	(1.106)	114047	8.99720	9
93	Styrene	104	9.033	9.033	(1.116)	192591	9.20955	9
94	Bromoform	173	9.001	9.001	(1.112)	56700	9.31346	9
* 95	1,4-Dichlorobenzene-d4	152	10.724	10.724	(1.000)	373186	25.0000	
96	Isopropylbenzene	105	9.376	9.376	(0.874)	246158	9.59342	10
97	Bromobenzene	156	9.729	9.723	(0.907)	89698	9.32884	9
98	1,1,2,2-Tetrachloroethane	83	9.921	9.921	(0.925)	75953	9.39773	9
99	4-Ethyltoluene	105	9.959	9.959	(0.929)	256937	9.65948	10
100	1,2,3-Trichloropropane	110	10.012	10.018	(0.934)	19923	9.34343	9
101	trans-1,4-Dichloro-2-Butene	53	10.087	10.087	(0.941)	56529	20.8945	21
102	n-Propylbenzene	91	9.836	9.836	(0.917)	308484	9.85007	10
103	2-Chlorotoluene	91	9.948	9.948	(0.928)	247037	9.96682	10
104	4-Chlorotoluene	91	10.119	10.119	(0.944)	231085	9.71058	10
105	1,3,5-Trimethylbenzene	105	10.055	10.055	(0.938)	230189	10.1343	10
106	tert-Butylbenzene	119	10.339	10.339	(0.964)	177644	9.86933	10
107	1,2,4-Trimethylbenzene	105	10.414	10.414	(0.971)	237119	9.80217	10
108	sec-Butylbenzene	105	10.505	10.505	(0.980)	240755	9.83166	10
109	4-Isopropyltoluene	119	10.649	10.649	(0.993)	203570	9.63771	10
110	1,3-Dichlorobenzene	146	10.649	10.649	(0.993)	149397	9.14297	9
111	1,4-Dichlorobenzene	146	10.735	10.735	(1.001)	152698	9.00874	9
112	1,2-Dichlorobenzene	146	11.077	11.077	(1.033)	150084	9.21359	9
113	Benzyl Chloride	126	10.959	10.959	(1.022)	31039	9.55684	10
114	1,4-Diethylbenzene	119	10.965	10.965	(1.022)	103957	9.16365	9
115	n-Butylbenzene	91	11.007	11.007	(1.026)	201268	9.52917	10
118	1,2,4,5-Tetramethylbenzene	119	11.601	11.601	(1.082)	184055	8.80176	9
119	1,2-Dibromo-3-chloropropane	75	11.714	11.714	(1.092)	16210	9.65572	10
120	Nitrobenzene	77	12.120	12.120	(1.130)	52953	100.378	100
121	1,2,4-Trichlorobenzene	180	12.216	12.216	(1.139)	82896	8.06132	8
122	Hexachlorobutadiene	225	12.222	12.222	(1.140)	43605	6.54444	6
123	Naphthalene	128	12.446	12.446	(1.161)	192107	7.97356	8
124	1,2,3-Trichlorobenzene	180	12.575	12.575	(1.173)	66999	7.44991	7
$ 125	Bromofluorobenzene	95	9.649	9.649	(0.900)	233645	22.4078	22
M 126	1,2-Dichloroethene (total)	100				140248	18.6624	19
M 127	Xylene (total)	100				354885	27.5204	28

QC Flag Legend

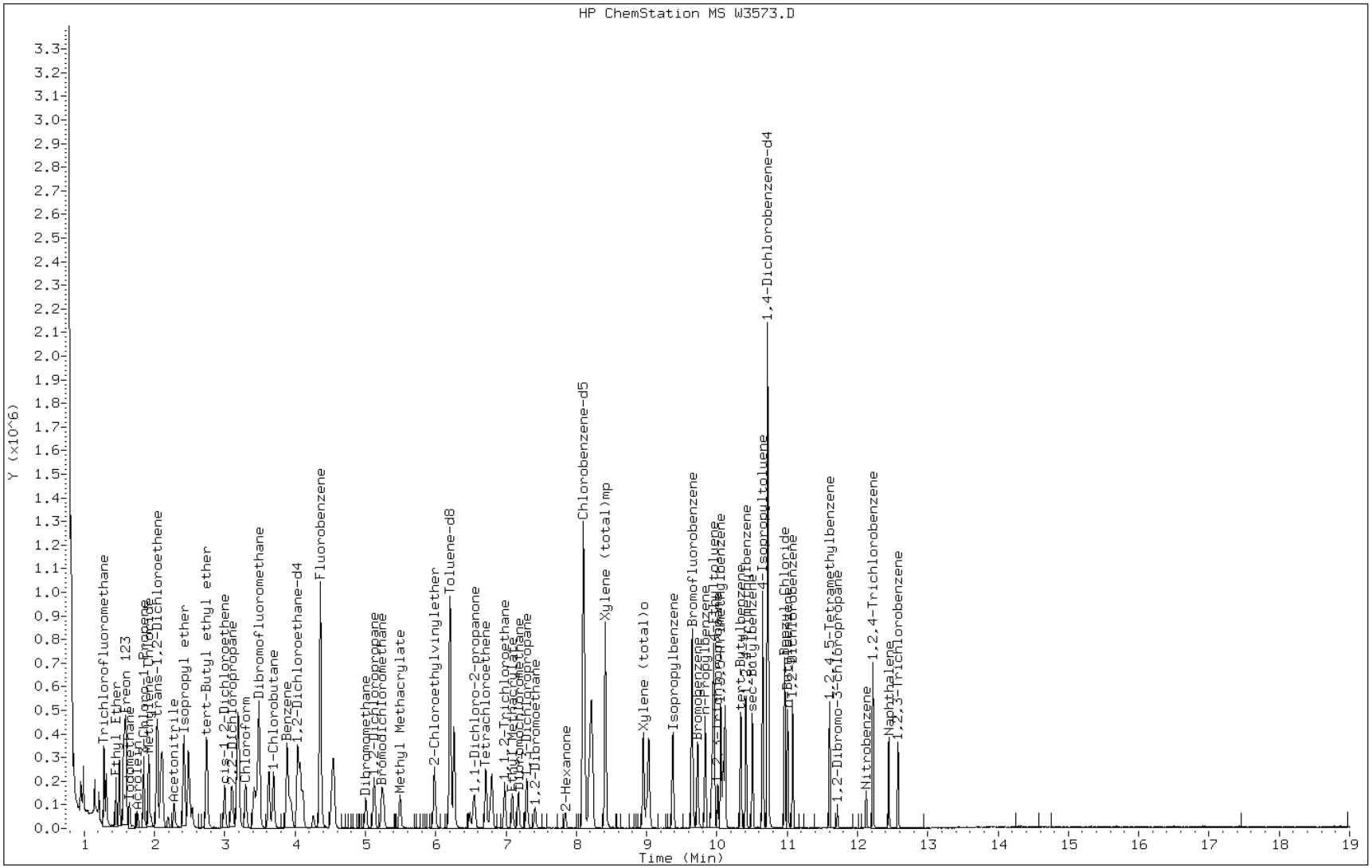
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: W3573.D

Date: 26-JUL-2011 11:57

Client ID: LCS-633451 Instrument: msw.i

Sample Info: LCS-633451 Operator: B.KOSTRZEWSKA



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53434/2

Matrix: Solid | Lab File ID: N3998.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 10:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	16.5		5.0	0.78
75-01-4	Vinyl chloride	17.8		5.0	0.23
74-83-9	Bromomethane	27.1		5.0	2.1
75-00-3	Chloroethane	21.2		5.0	0.98
75-35-4	1,1-Dichloroethene	18.9		5.0	0.58
75-15-0	Carbon disulfide	16.6		5.0	0.41
75-09-2	Methylene Chloride	20.4		20	1.1
67-64-1	Acetone	23.7		20	2.2
156-60-5	trans-1,2-Dichloroethene	19.7		5.0	0.39
75-34-3	1,1-Dichloroethane	18.8		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	19.4		5.0	0.37
67-66-3	Chloroform	19.5		5.0	0.34
71-55-6	1,1,1-Trichloroethane	18.9		5.0	0.53
56-23-5	Carbon tetrachloride	18.0		5.0	0.95
78-93-3	2-Butanone (MEK)	22.3		10	1.6
71-43-2	Benzene	18.8		5.0	0.57
107-06-2	1,2-Dichloroethane	20.0		5.0	0.58
79-01-6	Trichloroethene	17.7		5.0	0.81
74-95-3	Dibromomethane	19.9		5.0	0.64
78-87-5	1,2-Dichloropropane	18.8		5.0	0.67
75-27-4	Bromodichloromethane	19.0		5.0	0.30
10061-01-5	cis-1,3-Dichloropropene	18.6		5.0	0.56
10061-02-6	trans-1,3-Dichloropropene	18.3		5.0	0.27
79-00-5	1,1,2-Trichloroethane	20.2		5.0	0.37
108-88-3	Toluene	17.8		5.0	0.074
108-10-1	methyl isobutyl ketone	21.1		5.0	0.55
127-18-4	Tetrachloroethene	17.1		5.0	0.81
591-78-6	2-Hexanone	20.9		10	1.2
108-90-7	Chlorobenzene	18.0		5.0	0.59
630-20-6	1,1,1,2-Tetrachloroethane	17.5		5.0	0.52
100-41-4	Ethylbenzene	17.7		5.0	0.70
100-42-5	Styrene	17.9		5.0	0.15
75-25-2	Bromoform	19.0		5.0	0.61
98-82-8	Isopropylbenzene	17.0		5.0	0.19
103-65-1	N-Propylbenzene	17.1		5.0	0.61
108-67-8	1,3,5-Trimethylbenzene	17.2		5.0	0.50

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53434/2

Matrix: Solid | Lab File ID: N3998.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 07/27/2011 10:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-VMS ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 53434 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	17.2		5.0	0.29
95-63-6	1,2,4-Trimethylbenzene	17.6		5.0	0.76
135-98-8	sec-Butylbenzene	17.1		5.0	0.53
99-87-6	p-Isopropyltoluene	16.9		5.0	0.53
104-51-8	n-Butylbenzene	16.0		5.0	1.1
91-20-3	Naphthalene	16.7		5.0	0.29
1330-20-7	Xylenes, Total	53.7		5.0	0.49
179601-23-1	m&p-Xylene	35.9		5.0	0.35
95-47-6	o-Xylene	17.8		5.0	0.19
1634-04-4	Methyl tert-butyl ether	19.8		5.0	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
1868-53-7	Dibromofluoromethane	91		59-123
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		59-132
2037-26-5	Toluene-d8 (Surr)	94		50-118
460-00-4	4-Bromofluorobenzene	102		34-124

TestAmerica Inc

Volatile Report SW-846 Method 8260B

Data file : \\consvr05\files\Chem\VOA\msn.i\N113996.b\N3998.D
Lab Smp Id: LCS-637159 Client Smp ID: LCS-637159
Inj Date : 27-JUL-2011 10:45 MS Autotune Date: 18-JAN-2010 11:44
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : LCS-637159
Misc Info : : ;;; ; 8260 ; 1 ; LLS
Comment :
Method : \\consvr05\Files\chem\VOA\msn.i\N113996.b\N8260BNS.m
Meth Date : 27-Jul-2011 10:14 dave Quant Type: ISTD
Cal Date : 13-JUL-2011 17:15 Cal File: N3724.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf *1/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
* 1 Fluorobenzene	96	4.781	4.785	(1.000)	604071	25.0000	
2 Dichlorodifluoromethane	85	1.215	1.199	(0.254)	8555	5.12767	5(RM)
3 Chloromethane	50	1.264	1.268	(0.265)	212483	16.4791	16
4 Vinyl Chloride	62	1.304	1.307	(0.273)	159757	17.8445	18
5 Bromomethane	94	1.481	1.485	(0.310)	107280	27.1247	27(M)
6 Chloroethane	64	1.550	1.544	(0.324)	107531	21.1535	21
7 Trichlorofluoromethane	101	1.619	1.622	(0.339)	161699	19.8595	20
8 Dichlorofluoromethane	67	1.639	1.642	(0.343)	263591	20.4149	20
9 Ethyl Ether	45	1.777	1.780	(0.372)	147695	21.5309	22
10 Ethanol	45	1.836	1.839	(0.384)	97872	227.427	230
12 Freon 123	67	1.905	1.908	(0.398)	41100	19.6901	20(M)
13 Trichlorotrifluoroethane	101	1.924	1.918	(0.403)	150707	18.7000	19
14 1,1-Dichloroethene	96	1.905	1.908	(0.398)	126269	18.8575	19
15 Carbon Disulfide	76	1.944	1.938	(0.407)	466838	16.6198	17
16 Iodomethane	142	2.003	2.007	(0.419)	149590	16.9837	17
17 Acrolein	56	2.102	2.105	(0.440)	87621	49.1955	49(R)
18 2-Propanol	45	2.023	2.026	(0.423)	22870	26.5217	26
19 3-Chloro-1-Propene	41	2.190	2.194	(0.458)	325496	19.3885	19
20 Methylene Chloride	84	2.259	2.263	(0.473)	234394	20.4120	20
21 Acetone	43	2.289	2.283	(0.479)	147150	23.7274	24
22 trans-1,2-Dichloroethene	96	2.378	2.371	(0.497)	155523	19.7455	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	23 Methyl Acetate	43	2.358	2.361	(0.493)	1292573	23.7509	24
	24 Methyl tert-Butyl Ether	73	2.437	2.430	(0.510)	457305	19.8303	20
	25 tert-Butyl alcohol	59	2.476	2.480	(0.518)	168641	111.474	110
	26 Acetonitrile	41	2.624	2.627	(0.549)	293931	209.426	210
	27 Isopropyl ether	45	2.713	2.706	(0.567)	794266	20.2828	20
	28 tert-Butyl ethyl ether	59	3.028	3.021	(0.633)	567951	19.3132	19
	29 2-Chloro-1,3-Butadiene	88	2.821	2.815	(0.590)	131479	17.3541	17
	30 Acrylonitrile	53	2.870	2.874	(0.600)	209157	41.3323	41
	31 1,1-Dichloroethane	63	2.841	2.834	(0.594)	300167	18.8200	19
	32 Vinyl Acetate	43	3.038	3.031	(0.635)	348974	13.4409	13
	33 cis-1,2-Dichloroethene	96	3.323	3.317	(0.695)	177945	19.3915	19
	34 2,2-Dichloropropane	77	3.432	3.435	(0.718)	194749	19.0633	19
	35 Bromochloromethane	128	3.530	3.524	(0.738)	90992	19.2006	19
	37 Cyclohexane	84	3.540	3.544	(0.740)	237517	18.7478	19
	38 Chloroform	83	3.599	3.603	(0.753)	254991	19.5087	20
	39 Ethyl Acetate	43	3.737	3.731	(0.782)	39916	42.8120	43
	40 Methyl Acrylate	55	3.747	3.741	(0.784)	220422	20.6000	21
$	41 Dibromofluoromethane	111	3.806	3.810	(0.796)	204072	22.7819	23
	42 Tetrahydrofuran	42	3.777	3.780	(0.790)	203006	44.2903	44
	43 Carbon Tetrachloride	117	3.767	3.770	(0.788)	144736	18.0084	18
	44 1,1,1-Trichloroethane	97	3.846	3.839	(0.804)	185779	18.9375	19
	45 2-Butanone	43	3.954	3.947	(0.827)	180725	22.2857	22
	46 1,1-Dichloropropene	75	3.993	3.987	(0.835)	210803	18.7296	19
	47 tert-Amyl methyl ether	73	4.447	4.440	(0.930)	469076	19.7163	20
	49 1-Chlorobutane	56	4.052	4.056	(0.848)	334853	18.0032	18
	51 Propionitrile	54	4.318	4.312	(0.903)	374662	220.025	220
	52 Benzene	78	4.299	4.292	(0.899)	610373	18.8285	19
	53 2-Methyl-2-Propenenitrile	41	4.348	4.342	(0.909)	170659	21.5192	22
	54 Isobutyl alcohol	42	4.575	4.578	(0.957)	87377	204.679	200
$	55 1,2-Dichloroethane-d4	65	4.456	4.450	(0.932)	173335	21.9651	22
	56 1,2-Dichloroethane	62	4.535	4.529	(0.948)	190206	19.9975	20
	59 Methyl Cyclohexane	83	4.969	4.972	(1.039)	262570	18.1263	18
	60 Trichloroethene	130	4.978	4.982	(1.041)	148522	17.7268	18
	63 Dibromomethane	93	5.422	5.425	(1.134)	110671	19.9189	20
	64 1,2-Dichloropropane	63	5.530	5.534	(1.157)	188168	18.8389	19
	65 Bromodichloromethane	83	5.609	5.612	(1.173)	175184	19.0248	19
	66 Methyl Methacrylate	69	5.796	5.800	(1.212)	151226	20.0762	20(R)
	67 1,4-Dioxane	58	5.836	5.819	(1.220)	17740	220.770	220(M)
	69 2-Chloroethylvinylether	63	6.210	6.204	(1.299)	93010	18.6869	19
	174 Ethyl acrylate	55	5.589	5.583	(1.169)	335611	21.8587	22
	70 cis-1,3-Dichloropropene	75	6.249	6.253	(1.307)	243753	18.5503	18
	71 Chloroacetonitrile	48	6.624	6.627	(1.385)	92633	203.128	200(R)
	72 2-Nitropropane	41	6.693	6.696	(1.400)	93315	40.4477	40
	73 trans-1,3-Dichloropropene	75	6.890	6.883	(1.441)	207283	18.2812	18
	74 1,1,2-Trichloroethane	97	7.037	7.031	(1.472)	147293	20.2162	20
*	75 Chlorobenzene-d5	117	7.865	7.868	(1.000)	518898	25.0000	
	76 Toluene	91	6.486	6.479	(0.825)	612525	17.8472	18
$	77 Toluene-d8	98	6.437	6.430	(0.818)	702537	23.5201	24
	78 1,1-Dichloro-2-propanone	43	6.712	6.716	(0.853)	741705	101.096	100
	79 4-Methyl-2-Pentanone	43	6.860	6.854	(0.872)	293354	21.0956	21
	80 Tetrachloroethene	164	6.850	6.854	(0.871)	102919	17.0987	17
	81 Ethyl Methacrylate	69	7.067	7.061	(0.899)	219844	19.1763	19
	82 Dibromochloromethane	129	7.195	7.189	(0.915)	145344	17.6174	18
	83 1,3-Dichloropropane	76	7.284	7.277	(0.926)	267524	19.2982	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	84 1,2-Dibromoethane	107	7.392	7.396	(0.940)	166525	18.4492	18
	86 2-Hexanone	43	7.638	7.632	(0.971)	225140	20.8896	21
	87 1-Chlorohexane	91	7.885	7.888	(1.002)	271987	21.0674	21
	88 Chlorobenzene	112	7.885	7.878	(1.002)	418468	18.0403	18
	89 1,1,1,2-Tetrachloroethane	131	7.944	7.947	(1.010)	127327	17.5258	18
	90 Ethylbenzene	106	7.924	7.918	(1.008)	210211	17.7428	18
	91 Xylene (total)mp	106	8.052	8.056	(1.024)	532850	35.8847	36
	92 Xylene (total)o	106	8.436	8.430	(1.073)	252662	17.8472	18
	93 Styrene	104	8.476	8.479	(1.078)	421946	17.8779	18
	94 Bromoform	173	8.496	8.489	(1.080)	86824	18.9988	19
*	95 1,4-Dichlorobenzene-d4	152	9.924	9.927	(1.000)	213448	25.0000	
	96 Isopropylbenzene	105	8.712	8.716	(0.878)	591908	16.9900	17
	97 Bromobenzene	156	9.037	9.031	(0.911)	145054	17.3044	17
	98 1,1,2,2-Tetrachloroethane	83	9.146	9.139	(0.922)	208984	18.9818	19
	99 4-Ethyltoluene	105	9.175	9.179	(0.925)	623058	17.2133	17
	100 1,2,3-Trichloropropane	110	9.244	9.248	(0.931)	59791	19.4564	19
	101 trans-1,4-Dichloro-2-Butene	53	9.294	9.287	(0.936)	109788	37.4732	37
	102 n-Propylbenzene	91	9.077	9.080	(0.915)	744401	17.1129	17
	103 2-Chlorotoluene	91	9.205	9.198	(0.928)	502732	17.8899	18
	104 4-Chlorotoluene	91	9.353	9.346	(0.942)	452205	18.0483	18
	105 1,3,5-Trimethylbenzene	105	9.254	9.258	(0.933)	490749	17.1767	17
	106 tert-Butylbenzene	119	9.530	9.524	(0.960)	430477	17.1876	17
	107 1,2,4-Trimethylbenzene	105	9.589	9.583	(0.966)	505209	17.6453	18
	108 sec-Butylbenzene	105	9.678	9.681	(0.975)	683509	17.1446	17
	109 4-Isopropyltoluene	119	9.816	9.809	(0.989)	528952	16.9487	17
	110 1,3-Dichlorobenzene	146	9.865	9.858	(0.994)	259031	17.3067	17
	111 1,4-Dichlorobenzene	146	9.944	9.937	(1.002)	264431	17.3422	17
	112 1,2-Dichlorobenzene	146	10.298	10.302	(1.038)	245957	17.7467	18
	113 Benzyl Chloride	126	10.160	10.154	(1.024)	49346	15.0367	15
	114 1,4-Diethylbenzene	119	10.131	10.124	(1.021)	256677	16.7693	17
	115 n-Butylbenzene	91	10.180	10.174	(1.026)	744805	15.9781	16
	118 1,2,4,5-Tetramethylbenzene	119	10.830	10.834	(1.091)	416473	16.8764	17
	119 1,2-Dibromo-3-chloropropane	75	10.998	10.991	(1.108)	25921	19.0940	19
	120 Nitrobenzene	77	11.490	11.484	(1.158)	43446	93.8107	94(R)
	121 1,2,4-Trichlorobenzene	180	11.599	11.592	(1.169)	156059	18.2298	18
	122 Hexachlorobutadiene	225	11.589	11.583	(1.168)	76143	17.2282	17
	123 Naphthalene	128	11.884	11.878	(1.198)	409097	16.7463	17
	124 1,2,3-Trichlorobenzene	180	12.042	12.046	(1.213)	142113	18.4255	18
$	125 Bromofluorobenzene	95	8.949	8.952	(0.902)	271529	25.5478	26
M	126 1,2-Dichloroethene (total)	100				333468	39.1369	39
M	127 Xylene (total)	100				785512	53.7319	54

QC Flag Legend

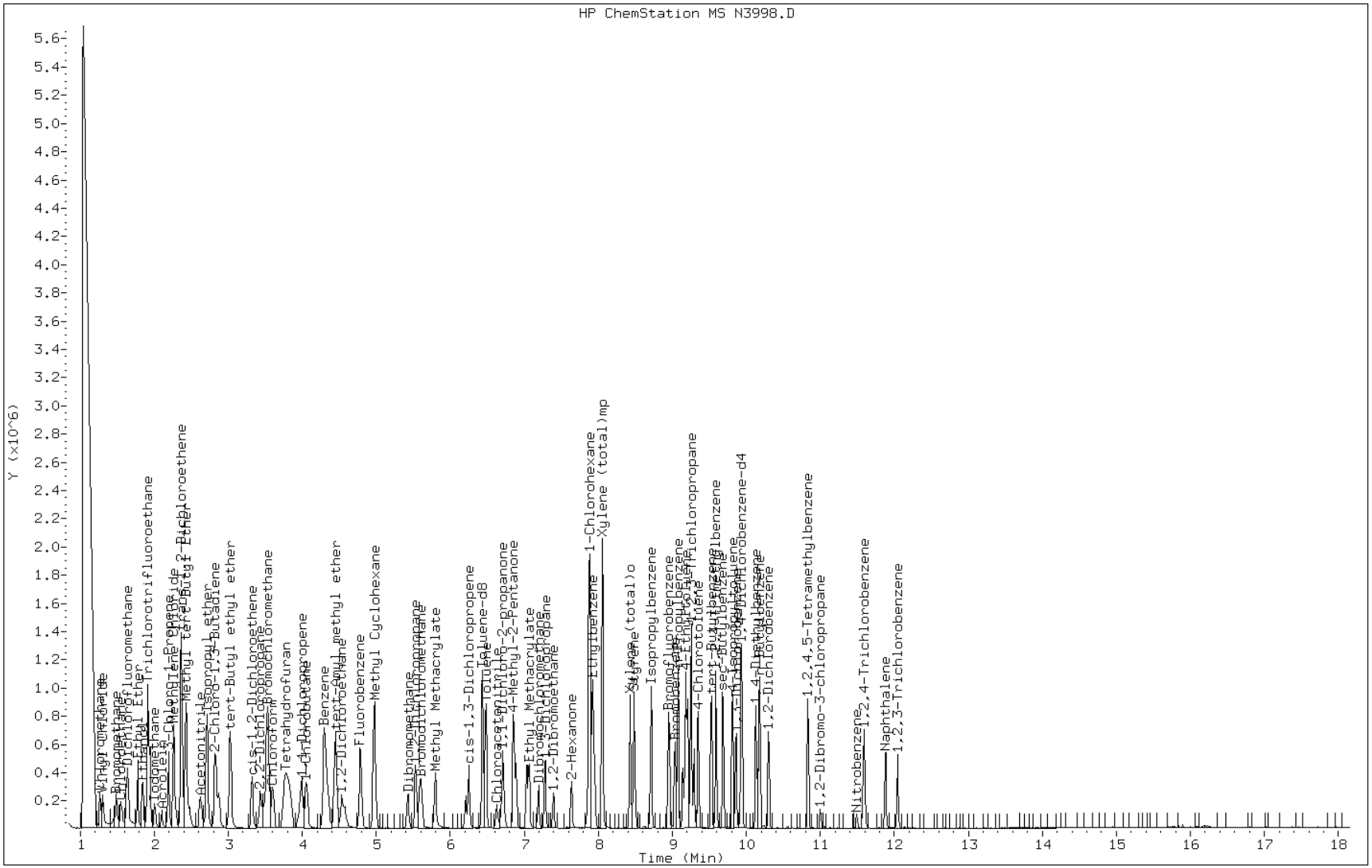
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: N3998.D

Date: 27-JUL-2011 10:45

Client ID: LCS-637159 Instrument: msn.i

Sample Info: LCS-637159 Operator: D. HUMBERT



Manual Integration Report

Data File: N3998.D
Inj. Date and Time: 27-JUL-2011 10:45
Instrument ID: msn.i
Client ID: LCS-637159
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 07/29/2011

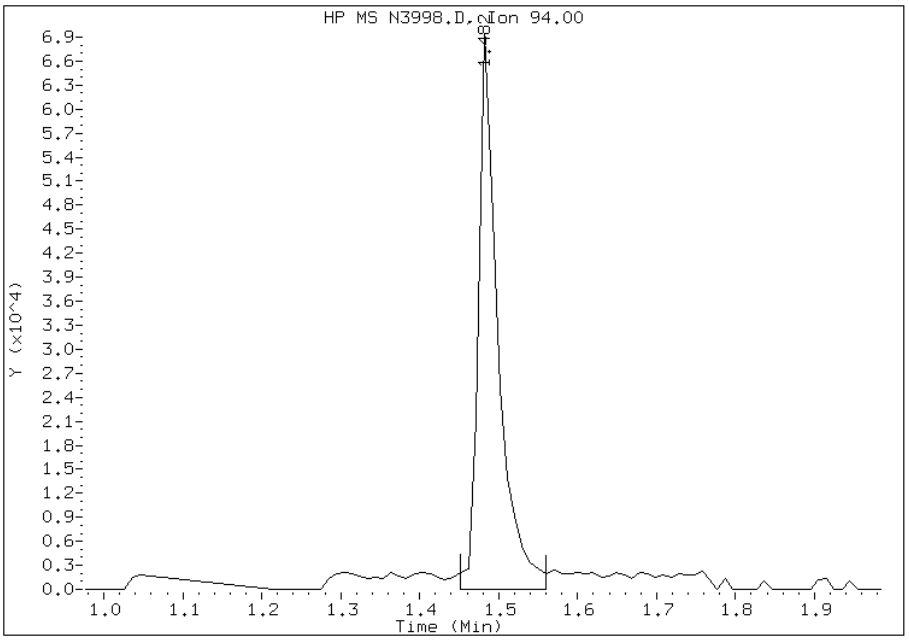
Processing Integration Results

RT: 1.48

Response: 121495

Amount: 31

Conc: 31



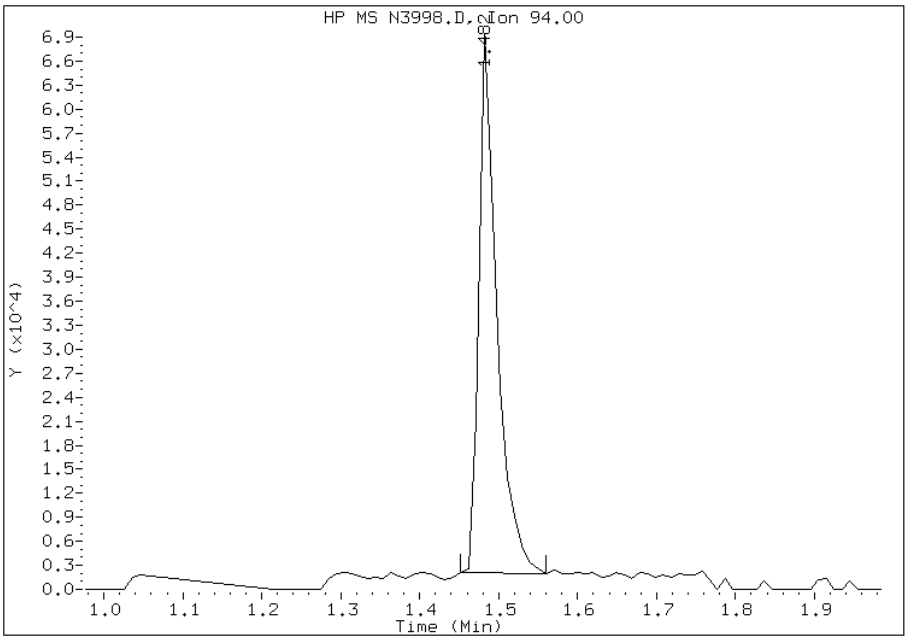
Manual Integration Results

RT: 1.48

Response: 107280

Amount: 27

Conc: 27



Manually Integrated By: eon
Manual Integration Reason: Incorrect peak integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSN Start Date: 07/13/2011 16:46

Analysis Batch Number: 52848 End Date: 07/13/2011 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-52848/8		07/13/2011 16:46	1	NB907.D	RTX-VMS 0.18(mm)
IC 220-52848/1		07/13/2011 17:15	1	N3724.D	RTX-VMS 0.18(mm)
IC 220-52848/2		07/13/2011 17:41	1	N3725.D	RTX-VMS 0.18(mm)
IC 220-52848/3		07/13/2011 18:21	1	N3726.D	RTX-VMS 0.18(mm)
IC 220-52848/4		07/13/2011 18:46	1	N3727.D	RTX-VMS 0.18(mm)
IC 220-52848/5		07/13/2011 19:11	1	N3728.D	RTX-VMS 0.18(mm)
IC 220-52848/6		07/13/2011 19:37	1	N3729.D	RTX-VMS 0.18(mm)
ICV 220-52848/7		07/13/2011 20:28	1		RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSN Start Date: 07/27/2011 09:24

Analysis Batch Number: 53434 End Date: 07/27/2011 20:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-53434/10		07/27/2011 09:24	1	NB918.D	RTX-VMS 0.18(mm)
CCVIS 220-53434/1		07/27/2011 09:47	1	N3997.D	RTX-VMS 0.18(mm)
LCS 220-53434/2		07/27/2011 10:45	1	N3998.D	RTX-VMS 0.18(mm)
MB 220-53434/3		07/27/2011 12:24	1	N4001.D	RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 14:34	1		RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 15:21	2		RTX-VMS 0.18(mm)
220-16095-1	SB SE-11S 2.5'-3.5'	07/27/2011 19:33	1	N4015.D	RTX-VMS 0.18(mm)
220-16095-2	SB SE 11D 22.5'-25'	07/27/2011 19:59	1	N4016.D	RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 20:24	1		RTX-VMS 0.18(mm)
ZZZZZ		07/27/2011 20:50	1		RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSW Start Date: 07/19/2011 14:53

Analysis Batch Number: 53090 End Date: 07/20/2011 02:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-53090/8		07/19/2011 14:53	1	WB951.D	RTX-VMS 0.18(mm)
IC 220-53090/1		07/19/2011 15:40	1	W3409.D	RTX-VMS 0.18(mm)
IC 220-53090/2		07/19/2011 16:05	1	W3410.D	RTX-VMS 0.18(mm)
ICIS 220-53090/3		07/19/2011 16:31	1	W3411.D	RTX-VMS 0.18(mm)
IC 220-53090/4		07/19/2011 16:56	1	W3412.D	RTX-VMS 0.18(mm)
IC 220-53090/5		07/19/2011 17:22	1	W3413.D	RTX-VMS 0.18(mm)
IC 220-53090/6		07/19/2011 17:47	1	W3414.D	RTX-VMS 0.18(mm)
ICV 220-53090/7		07/19/2011 18:12	1		RTX-VMS 0.18(mm)
ZZZZZ		07/19/2011 19:03	1		RTX-VMS 0.18(mm)
ZZZZZ		07/19/2011 20:18	1		RTX-VMS 0.18(mm)
ZZZZZ		07/19/2011 23:14	1		RTX-VMS 0.18(mm)
ZZZZZ		07/19/2011 23:39	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 00:04	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 00:29	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 00:54	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 01:19	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 01:44	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 02:09	1		RTX-VMS 0.18(mm)
ZZZZZ		07/20/2011 02:34	1		RTX-VMS 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSW Start Date: 07/26/2011 11:10

Analysis Batch Number: 53359 End Date: 07/26/2011 18:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 220-53359/11		07/26/2011 11:10	1	WB956.D	RTX-VMS 0.18(mm)
CCVIS 220-53359/1		07/26/2011 11:19	1	W3572.D	RTX-VMS 0.18(mm)
LCS 220-53359/2		07/26/2011 11:57	1	W3573.D	RTX-VMS 0.18(mm)
MB 220-53359/3		07/26/2011 13:38	1	W3577.D	RTX-VMS 0.18(mm)
220-16095-4	Trip Blank	07/26/2011 14:03	1	W3578.D	RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 14:28	1		RTX-VMS 0.18(mm)
220-16095-3	SB MW-B	07/26/2011 15:19	1	W3581.D	RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 15:44	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 16:09	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 16:34	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 17:00	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 17:25	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 17:50	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 18:15	1		RTX-VMS 0.18(mm)
ZZZZZ		07/26/2011 18:40	1		RTX-VMS 0.18(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
SB SE-11S 2.5'-3.5'	220-16095-1	70	71	101
SB SE 11D 22.5'-25'	220-16095-2	84	85	90
	MB 220-53541/1-A	77	76	81
	LCS 220-53541/2-A	84	84	84

	QC LIMITS
NBZ = Nitrobenzene-d5	38-120
FBP = 2-Fluorobiphenyl	41-120
TPH = Terphenyl-d14	32-125

Column to be used to flag recovery values

FORM II 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXi-5MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
SB MW-B	220-16095-3	68	68	81
	MB 220-53330/1-A	70	68	81
	LCS 220-53330/2-A	76	77	94

	QC LIMITS
NBZ = Nitrobenzene-d5	40-120
FBP = 2-Fluorobiphenyl	39-120
TPH = Terphenyl-d14	10-120

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Z21915.D

Lab ID: LCS 220-53330/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	40.0	26.9	67	42-120	
Acenaphthene	40.0	33.5	84	52-120	
Fluorene	40.0	36.8	92	61-120	
Phenanthrene	40.0	36.9	92	63-120	
Anthracene	40.0	37.4	94	60-120	
Pyrene	40.0	37.3	93	62-120	
Benzo[a]anthracene	40.0	37.2	93	60-120	
Chrysene	40.0	37.4	93	59-120	
Benzo[b]fluoranthene	40.0	35.4	89	59-120	
Benzo[k]fluoranthene	40.0	37.2	93	58-120	
Benzo[a]pyrene	40.0	37.1	93	51-120	
Indeno[1,2,3-cd]pyrene	40.0	36.7	92	48-120	
Dibenz(a,h)anthracene	40.0	38.8	97	47-120	
Benzo[g,h,i]perylene	40.0	38.3	96	48-120	
Fluoranthene	40.0	37.7	94	56-120	
Acenaphthylene	40.0	33.3	83	52-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C24652.D

Lab ID: LCS 220-53541/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	2670	2240	84	55-120	
Acenaphthene	2670	2210	83	57-120	
Fluorene	2670	2270	85	58-120	
Phenanthrene	2670	2230	83	58-120	
Anthracene	2670	2270	85	58-120	
Pyrene	2670	2240	84	54-121	
Benzo[a]anthracene	2670	2250	84	58-120	
Chrysene	2670	2200	83	57-120	
Benzo[b]fluoranthene	2670	2120	79	54-120	
Benzo[k]fluoranthene	2670	2270	85	53-120	
Benzo[a]pyrene	2670	2210	83	44-120	
Indeno[1,2,3-cd]pyrene	2670	1480	56	37-120	
Dibenz(a,h)anthracene	2670	1690	64	39-120	
Benzo[g,h,i]perylene	2670	1510	57	37-120	
Fluoranthene	2670	2310	87	57-120	
Acenaphthylene	2670	2290	86	57-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: Z21914.D Lab Sample ID: MB 220-53330/1-A

Matrix: Water Date Extracted: 07/27/2011 09:37

Instrument ID: MSZ Date Analyzed: 08/01/2011 09:42

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53330/2-A	Z21915.D	08/01/2011 10:10
SB MW-B	220-16095-3	Z21929.D	08/01/2011 16:22

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: C24651.D Lab Sample ID: MB 220-53541/1-A

Matrix: Solid Date Extracted: 08/02/2011 11:09

Instrument ID: MSC Date Analyzed: 08/04/2011 12:42

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 220-53541/2-A	C24652.D	08/04/2011 13:13
SB SE 11D 22.5'-25'	220-16095-2	C24658.D	08/04/2011 16:18
SB SE-11S 2.5'-3.5'	220-16095-1	C24678.D	08/05/2011 13:28

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: Cs24642.D DFTPP Injection Date: 08/04/2011

Instrument ID: MSC DFTPP Injection Time: 08:08

Analysis Batch No.: 53666

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	48.3	
68	Less than 2.0 % of mass 69	0.9	(2.0)1
69	Mass 69 relative abundance	44.9	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	49.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	22.4	
365	Greater than 1.0 % of mass 198	2.3	
441	Present but less than mass 443	11.2	
442	Greater than 40.0 % of mass 198	71.9	
443	17.0 - 23.0 % of mass 442	14.2	(19.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-53666/1	C24643.D	08/04/2011	08:26
	IC 220-53666/2	C24644.D	08/04/2011	09:08
	IC 220-53666/3	C24645.D	08/04/2011	09:39
	IC 220-53666/4	C24646.D	08/04/2011	10:09
	IC 220-53666/5	C24647.D	08/04/2011	10:40
	IC 220-53666/6	C24648.D	08/04/2011	11:10
	IC 220-53666/7	C24649.D	08/04/2011	11:41
	MB 220-53541/1-A	C24651.D	08/04/2011	12:42
	LCS 220-53541/2-A	C24652.D	08/04/2011	13:13
SB SE 11D 22.5'-25'	220-16095-2	C24658.D	08/04/2011	16:18

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: Cs24669.D DFTPP Injection Date: 08/05/2011

Instrument ID: MSC DFTPP Injection Time: 09:05

Analysis Batch No.: 53686

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	49.5	
68	Less than 2.0 % of mass 69	0.8	(1.6)1
69	Mass 69 relative abundance	47.3	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	50.4	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.5	
275	10.0 - 30.0 % of mass 198	22.1	
365	Greater than 1.0 % of mass 198	2.4	
441	Present but less than mass 443	11.0	
442	Greater than 40.0 % of mass 198	70.6	
443	17.0 - 23.0 % of mass 442	13.2	(18.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-53686/1	C24670.D	08/05/2011	09:23
	IC 220-53686/2	C24671.D	08/05/2011	09:53
	IC 220-53686/3	C24672.D	08/05/2011	10:24
	IC 220-53686/4	C24673.D	08/05/2011	10:54
	IC 220-53686/5	C24674.D	08/05/2011	11:25
	IC 220-53686/6	C24675.D	08/05/2011	11:55
	IC 220-53686/7	C24676.D	08/05/2011	12:26
SB SE-11S 2.5'-3.5'	220-16095-1	C24678.D	08/05/2011	13:28

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: Zs21886.D DFTPP Injection Date: 07/28/2011

Instrument ID: MSZ DFTPP Injection Time: 13:34

Analysis Batch No.: 53479

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.0	
68	Less than 2.0 % of mass 69	0.7	(1.6)1
69	Mass 69 relative abundance	47.3	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	56.4	
197	Less than 1.0 % of mass 198	0.1	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	23.5	
365	Greater than 1.0 % of mass 198	3.0	
441	Present but less than mass 443	11.2	
442	Greater than 40.0 % of mass 198	75.7	
443	17.0 - 23.0 % of mass 442	14.4	(19.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 220-53479/1	Z21887.D	07/28/2011	13:54
	IC 220-53479/2	Z21888.D	07/28/2011	14:25
	IC 220-53479/3	Z21889.D	07/28/2011	14:53
	IC 220-53479/4	Z21890.D	07/28/2011	15:22
	IC 220-53479/5	Z21891.D	07/28/2011	15:50
	IC 220-53479/6	Z21892.D	07/28/2011	16:18
	IC 220-53479/7	Z21893.D	07/28/2011	16:46

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab File ID: Zs21912.D DFTPP Injection Date: 08/01/2011

Instrument ID: MSZ DFTPP Injection Time: 08:51

Analysis Batch No.: 53500

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	45.3	
68	Less than 2.0 % of mass 69	0.8	(1.7)1
69	Mass 69 relative abundance	47.5	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	55.2	
197	Less than 1.0 % of mass 198	0.4	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	23.9	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	12.0	
442	Greater than 40.0 % of mass 198	83.4	
443	17.0 - 23.0 % of mass 442	15.5	(18.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 220-53500/1	Z21913.D	08/01/2011	09:13
	MB 220-53330/1-A	Z21914.D	08/01/2011	09:42
	LCS 220-53330/2-A	Z21915.D	08/01/2011	10:10
SB MW-B	220-16095-3	Z21929.D	08/01/2011	16:22

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: ICIS 220-53666/1 Date Analyzed: 08/04/2011 08:26

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24643.D Heated Purge: (Y/N) N

Calibration ID: 11716

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		881853	4.71	3584384	6.07	2213920	7.92
UPPER LIMIT		1763706	5.21	7168768	6.57	4427840	8.42
LOWER LIMIT		440927	4.21	1792192	5.57	1106960	7.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53541/1-A		1001290	4.71	4179796	6.06	2662950	7.92
LCS 220-53541/2-A		1001727	4.71	4191867	6.07	2631355	7.92
220-16095-2	SB SE 11D 22.5'-25'	968581	4.71	3932720	6.06	2479713	7.92

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: ICIS 220-53666/1 Date Analyzed: 08/04/2011 08:26

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24643.D Heated Purge: (Y/N) N

Calibration ID: 11716

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		3760207	9.49	3551829	12.33	2083508	14.44
UPPER LIMIT		7520414	9.99	7103658	12.83	4167016	14.94
LOWER LIMIT		1880104	8.99	1775915	11.83	1041754	13.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53541/1-A		4468921	9.48	4381800	12.32	3375246	14.44
LCS 220-53541/2-A		4501952	9.49	4318775	12.33	2839485	14.44
220-16095-2	SB SE 11D 22.5'-25'	4263109	9.48	3995677	12.32	2126905	14.43

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: ICIS 220-53686/1 Date Analyzed: 08/05/2011 09:23

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24670.D Heated Purge: (Y/N) N

Calibration ID: 11721

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		789550	4.68	3293426	6.04	2073935	7.90
UPPER LIMIT		1579100	5.18	6586852	6.54	4147870	8.40
LOWER LIMIT		394775	4.18	1646713	5.54	1036968	7.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-16095-1	SB SE-11S 2.5'-3.5'	815666	4.69	3345540	6.04	2149454	7.90

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: ICIS 220-53686/1 Date Analyzed: 08/05/2011 09:23

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm)

Lab File ID (Standard): C24670.D Heated Purge: (Y/N) N

Calibration ID: 11721

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		3647970	9.46	3478456	12.31	1933596	14.39
UPPER LIMIT		7295940	9.96	6956912	12.81	3867192	14.89
LOWER LIMIT		1823985	8.96	1739228	11.81	966798	13.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
220-16095-1	SB SE-11S 2.5'-3.5'	3866713	9.46	2482734	12.30	963952*	14.39

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: CCVIS 220-53500/1 Date Analyzed: 08/01/2011 09:13

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): Z21913.D Heated Purge: (Y/N) N

Calibration ID: 11670

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		260092	4.76	1179886	6.12	694869	7.98
UPPER LIMIT		520184	5.26	2359772	6.62	1389738	8.48
LOWER LIMIT		130046	4.26	589943	5.62	347435	7.48
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53330/1-A		269400	4.76	1217906	6.11	717733	7.98
LCS 220-53330/2-A		270704	4.76	1223791	6.12	730965	7.98
220-16095-3	SB MW-B	256246	4.76	1142729	6.12	679858	7.98

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Sample No.: CCVIS 220-53500/1 Date Analyzed: 08/01/2011 09:13

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm)

Lab File ID (Standard): Z21913.D Heated Purge: (Y/N) N

Calibration ID: 11670

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1145231	9.55	1007229	12.41	644783	14.53
UPPER LIMIT		2290462	10.05	2014458	12.91	1289566	15.03
LOWER LIMIT		572616	9.05	503615	11.91	322392	14.03
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 220-53330/1-A		1169353	9.54	1047346	12.39	794083	14.52
LCS 220-53330/2-A		1199780	9.55	1092913	12.40	683171	14.52
220-16095-3	SB MW-B	1126471	9.54	1022581	12.40	673382	14.52

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE-11S 2.5'-3.5' | Lab Sample ID: 220-16095-1

Matrix: Solid | Lab File ID: C24678.D

Analysis Method: 8270C | Date Collected: 07/25/2011 10:15

Extract. Method: 3541 | Date Extracted: 08/02/2011 11:09

Sample wt/vol: 15.00(g) | Date Analyzed: 08/05/2011 13:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 2

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53686 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	360	J	620	32
83-32-9	Acenaphthene	220	J	620	37
86-73-7	Fluorene	290	J	620	37
85-01-8	Phenanthrene	2000		620	30
120-12-7	Anthracene	480	J	620	24
129-00-0	Pyrene	4200		620	29
56-55-3	Benzo[a]anthracene	1600	B	620	22
218-01-9	Chrysene	1900		620	46
205-99-2	Benzo[b]fluoranthene	2400		620	17
207-08-9	Benzo[k]fluoranthene	1100		620	55
50-32-8	Benzo[a]pyrene	2000		620	17
193-39-5	Indeno[1,2,3-cd]pyrene	2500		620	40
53-70-3	Dibenz(a,h)anthracene	610	J	620	49
191-24-2	Benzo[g,h,i]perylene	2900		620	40
206-44-0	Fluoranthene	3200		620	31
208-96-8	Acenaphthylene	140	J	620	30

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		38-120
321-60-8	2-Fluorobiphenyl	71		41-120
1718-51-0	Terphenyl-d14	101		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24678.D
Lab Smp Id: 220-16095-B-1-A Client Smp ID: SB SE-11S 2.5'-3.5'
Inj Date : 05-AUG-2011 13:28
Operator : S.Jonas Inst ID: msc.i
Smp Info : 220-16095-B-1-A;2
Misc Info : 220-16095-B-1-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:59 msc.i Quant Type: ISTD
Cal Date : 05-AUG-2011 09:23 Cal File: C24670.D
Als bottle: 8
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	2.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	12.733	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.689	4.683	(1.000)	815666	20.0000	
$ 2	2-Fluorophenol	112	3.259	3.241	(0.695)	1208854	26.0717	4000
$ 3	Phenol-d5	99	4.380	4.380	(0.934)	1711254	26.5353	4100
13	Benzyl alcohol	108	4.867	4.879	(1.038)	15984	0.42912	66(H)
* 20	Naphthalene-d8	136	6.042	6.042	(1.000)	3345540	20.0000	
$ 21	Nitrobenzene-d5	82	5.283	5.294	(0.874)	1059355	17.3840	2700
30	Naphthalene	128	6.060	6.066	(1.003)	395787	2.35826	360
34	2-Methylnaphthalene	142	6.802	6.808	(1.126)	303950	2.53262	390
* 35	Acenaphthene-d10	164	7.900	7.900	(1.000)	2149454	20.0000	
$ 40	2-Fluorobiphenyl	172	7.206	7.211	(0.912)	2319467	17.6287	2700
130	1,1'-Biphenyl	154	7.301	7.306	(0.924)	48339	0.33590	51
43	Acenaphthylene	152	7.746	7.752	(0.980)	174060	0.90418	140
46	Acenaphthene	153	7.930	7.936	(1.004)	181735	1.46739	220
49	Dibenzofuran	168	8.114	8.120	(1.027)	172055	0.99415	150
52	Fluorene	166	8.476	8.482	(1.073)	277970	1.92241	290
$ 56	2,4,6-Tribromophenol	330	8.737	8.743	(1.106)	488155	25.0840	3800
* 57	Phenanthrene-d10	188	9.461	9.461	(1.000)	3866713	20.0000	
59	N-Nitrosodiphenylamine (1)	169	8.618	8.630	(0.911)	142902	1.31356	200

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
	60 1,2-Diphenylhydrazine	77	8.654	8.660	(0.915)	34109	0.21624	33
	63 Pentachlorophenol	266	9.283	9.283	(0.981)	6346	6.01088	920
	64 Phenanthrene	178	9.485	9.491	(1.002)	2709282	13.1824	2000
	65 Carbazole	167	9.716	9.728	(1.027)	327452	1.62415	250
	66 Anthracene	178	9.538	9.544	(1.008)	662159	3.16076	480
	68 Fluoranthene	202	10.761	10.743	(1.137)	4677855	20.6397	3200
*	70 Chrysene-d12	240	12.298	12.310	(1.000)	2482734	20.0000	
	72 Pyrene	202	10.980	10.980	(0.893)	4252089	27.3844	4200
$	73 Terphenyl-d14	244	11.159	11.158	(0.907)	2652343	25.2087	3900
	74 Butylbenzylphthalate	149	11.675	11.681	(0.949)	118421	1.62727	250
	76 Benzo(a)anthracene	228	12.286	12.292	(0.999)	1523307	10.6958	1600
	77 Chrysene	228	12.328	12.346	(1.002)	1628815	12.1823	1900
	78 Bis(2-Ethylhexyl)phthalate	149	12.357	12.357	(1.005)	36788286	422.498	65000(AM)
*	79 Perylene-d12	264	14.387	14.393	(1.000)	963952	20.0000	
	80 Di-n-octylphthalate	149	13.236	13.230	(0.920)	566236	10.4334	1600
	81 Benzo(b)fluoranthene	252	13.776	13.788	(0.958)	1019226	15.9556	2400
	82 Benzo(k)fluoranthene	252	13.812	13.829	(0.960)	477409	7.32804	1100
	83 Benzo(a)pyrene	252	14.292	14.304	(0.993)	631213	12.9575	2000
	84 Indeno(1,2,3-cd)pyrene	276	16.322	16.334	(1.134)	429506	16.3610	2500(M)
	85 Dibenzo(a,h)anthracene	278	16.370	16.382	(1.138)	101396	3.99014	610
	86 Benzo(g,h,i)perylene	276	16.833	16.844	(1.170)	431353	19.0390	2900

QC Flag Legend

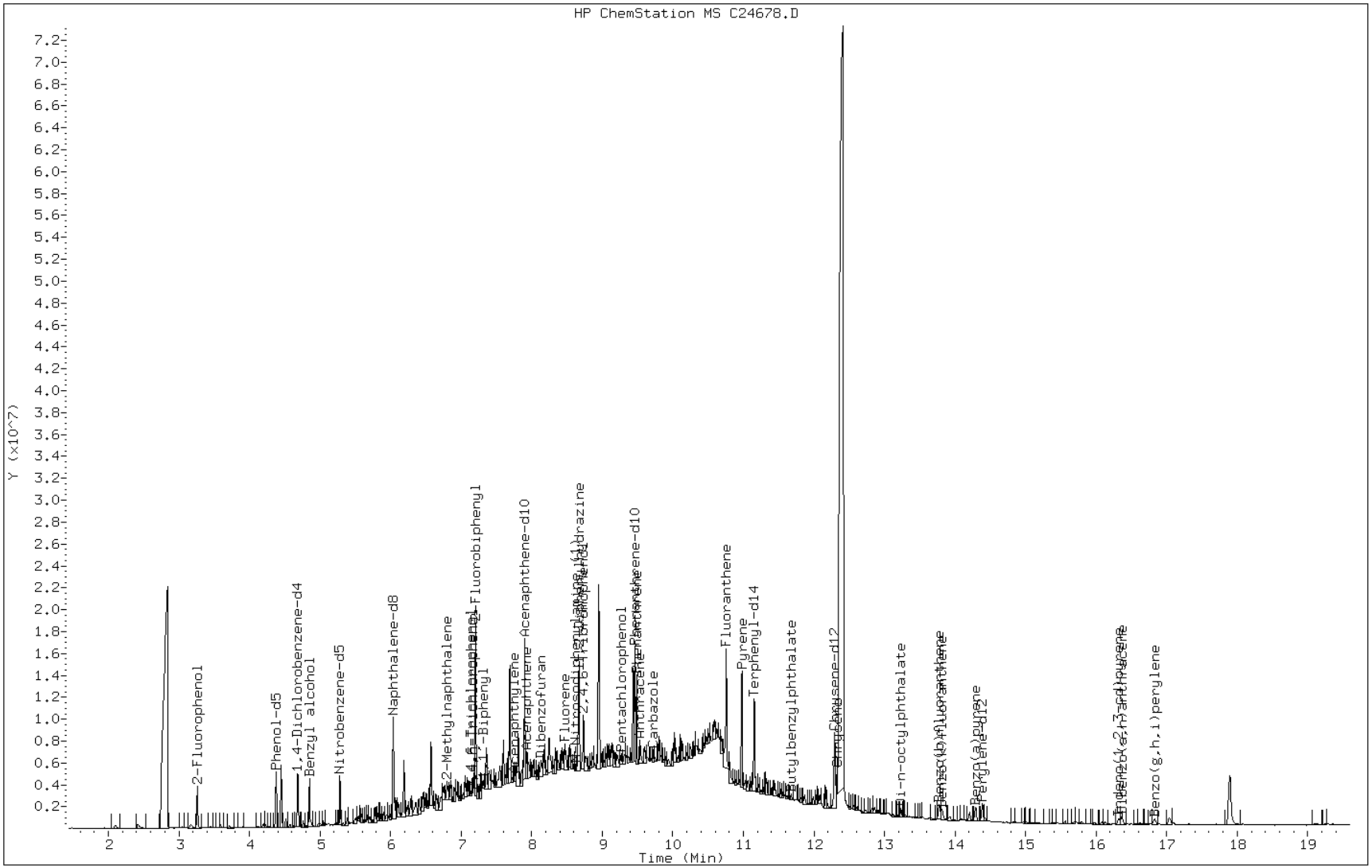
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas



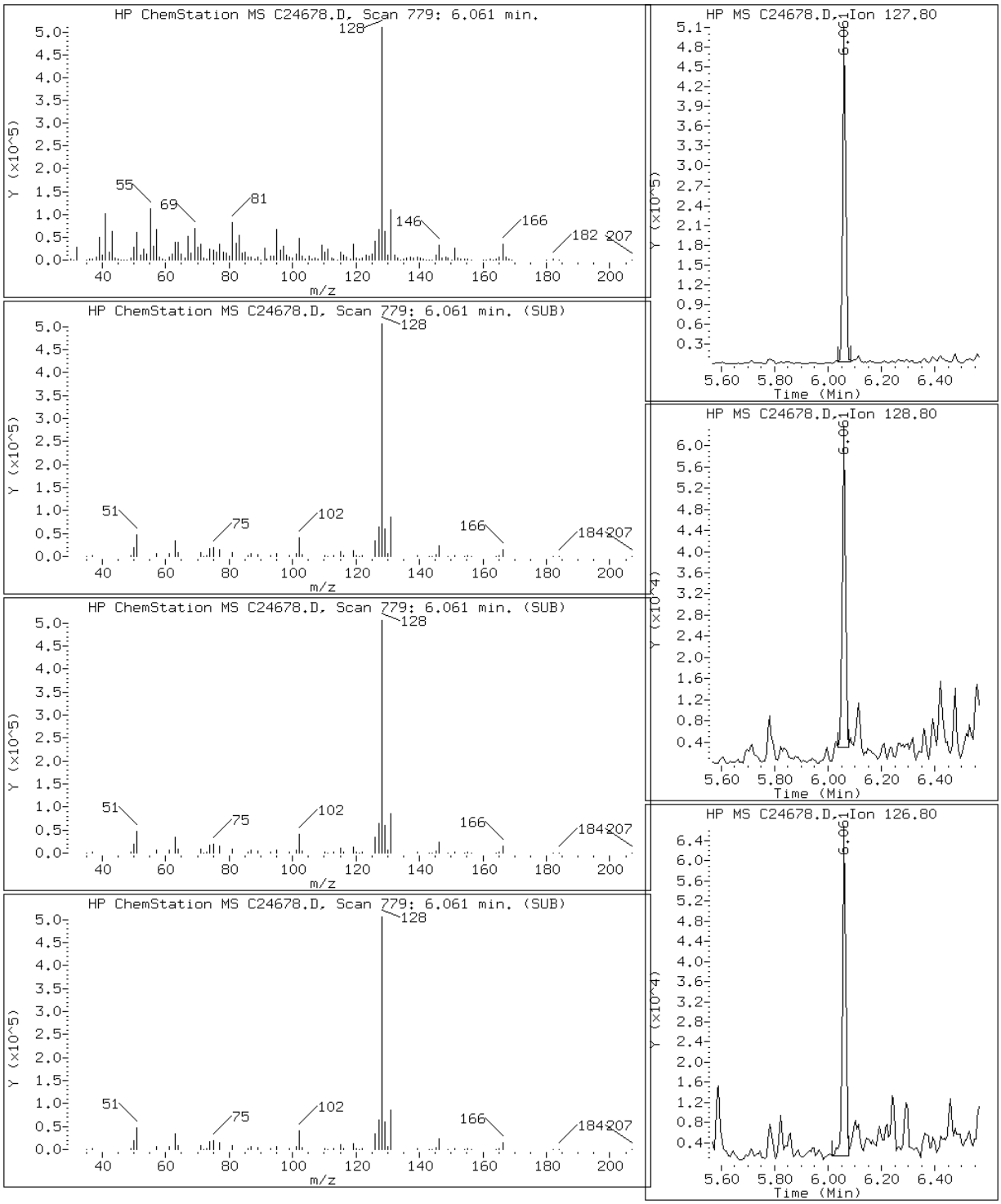
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

30 Naphthalene



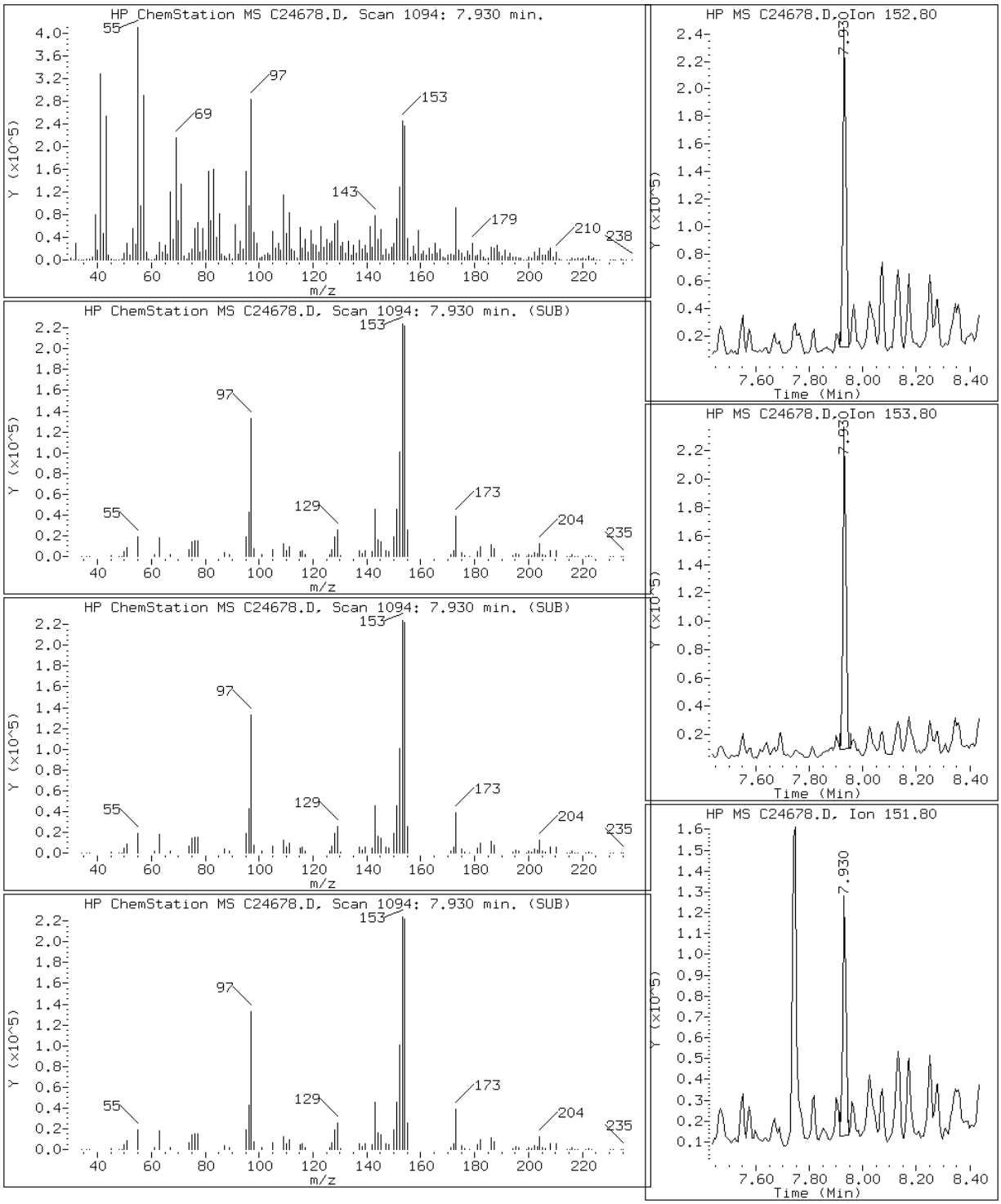
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

46 Acenaphthene



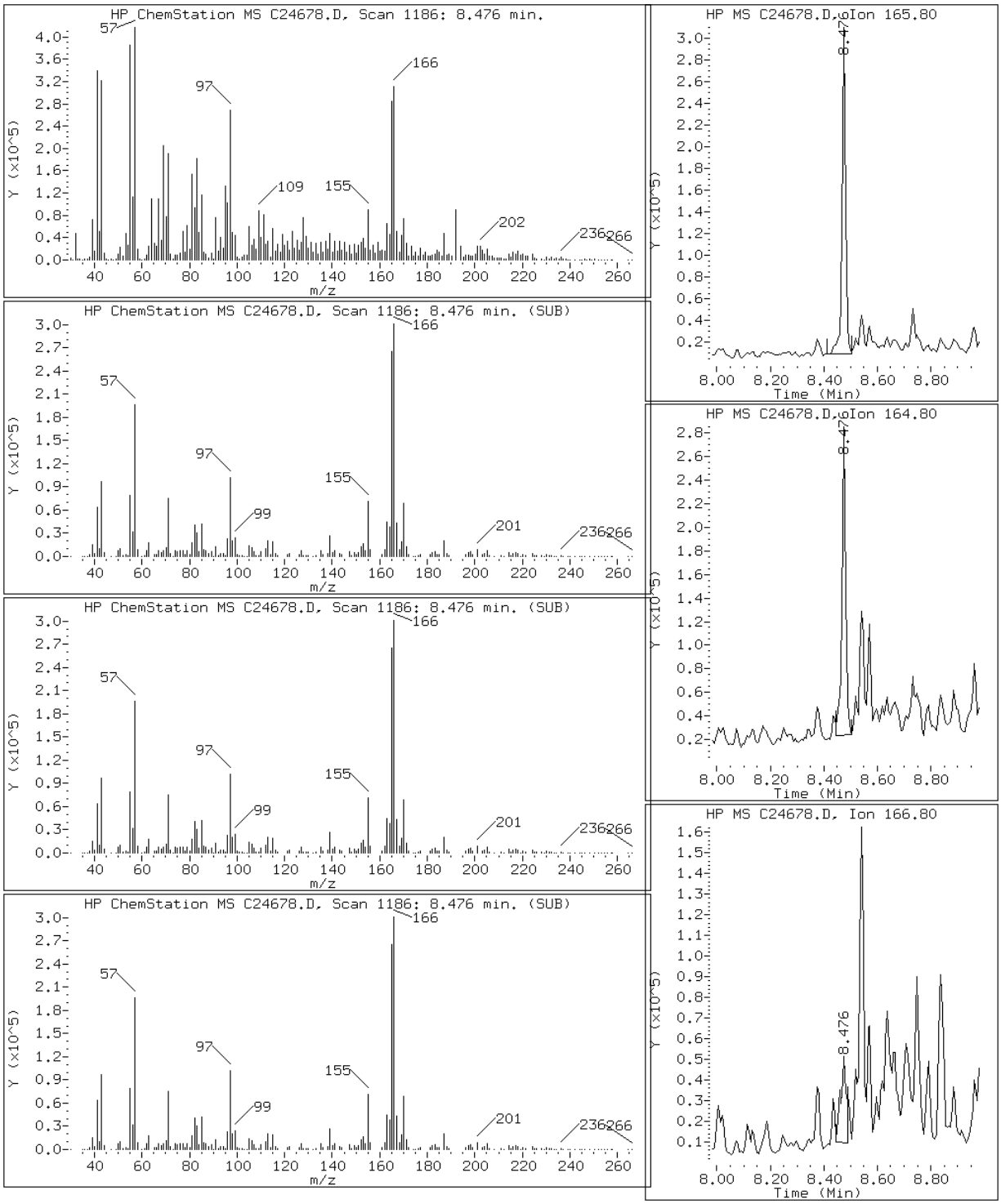
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

52 Fluorene



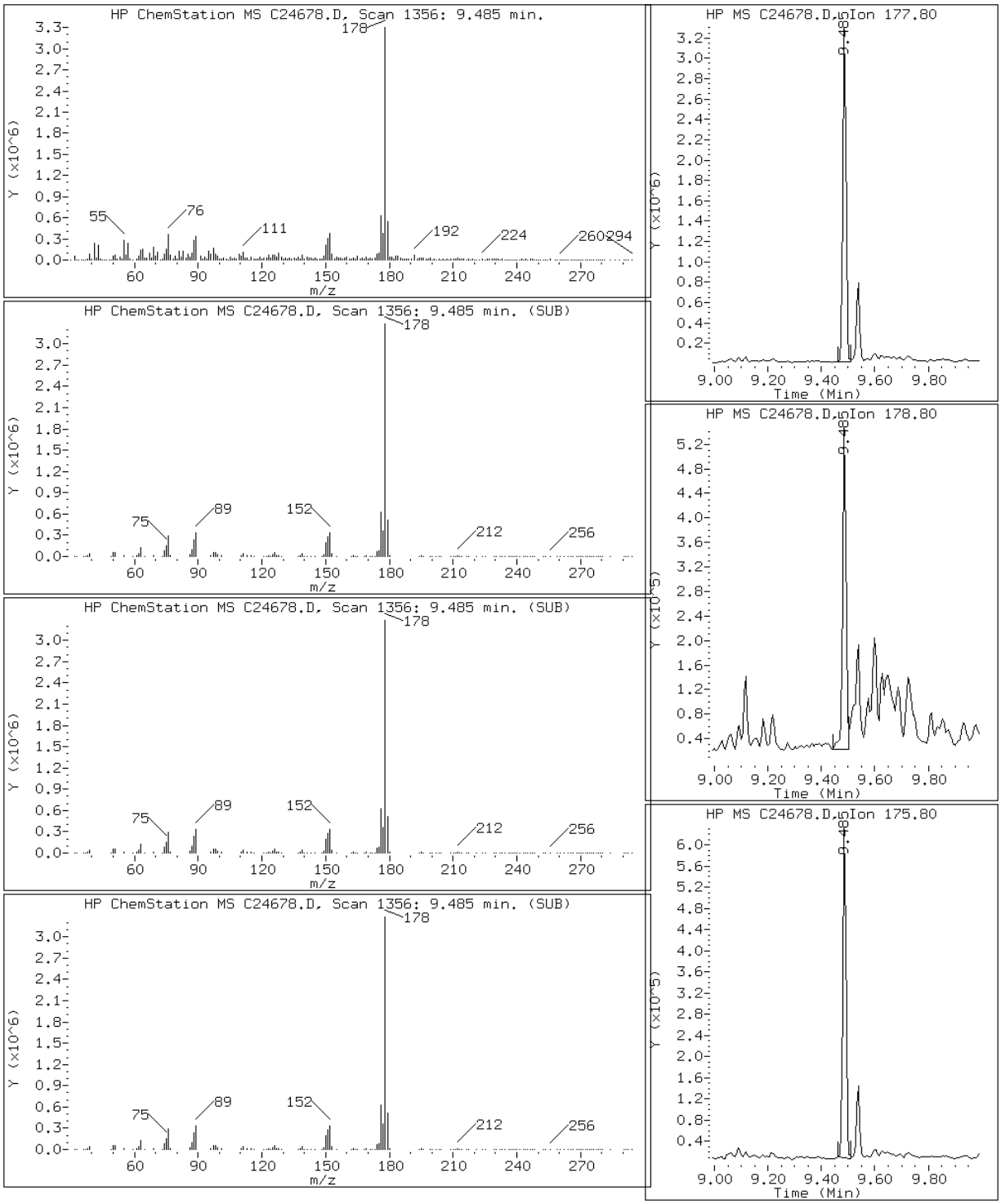
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

64 Phenanthrene



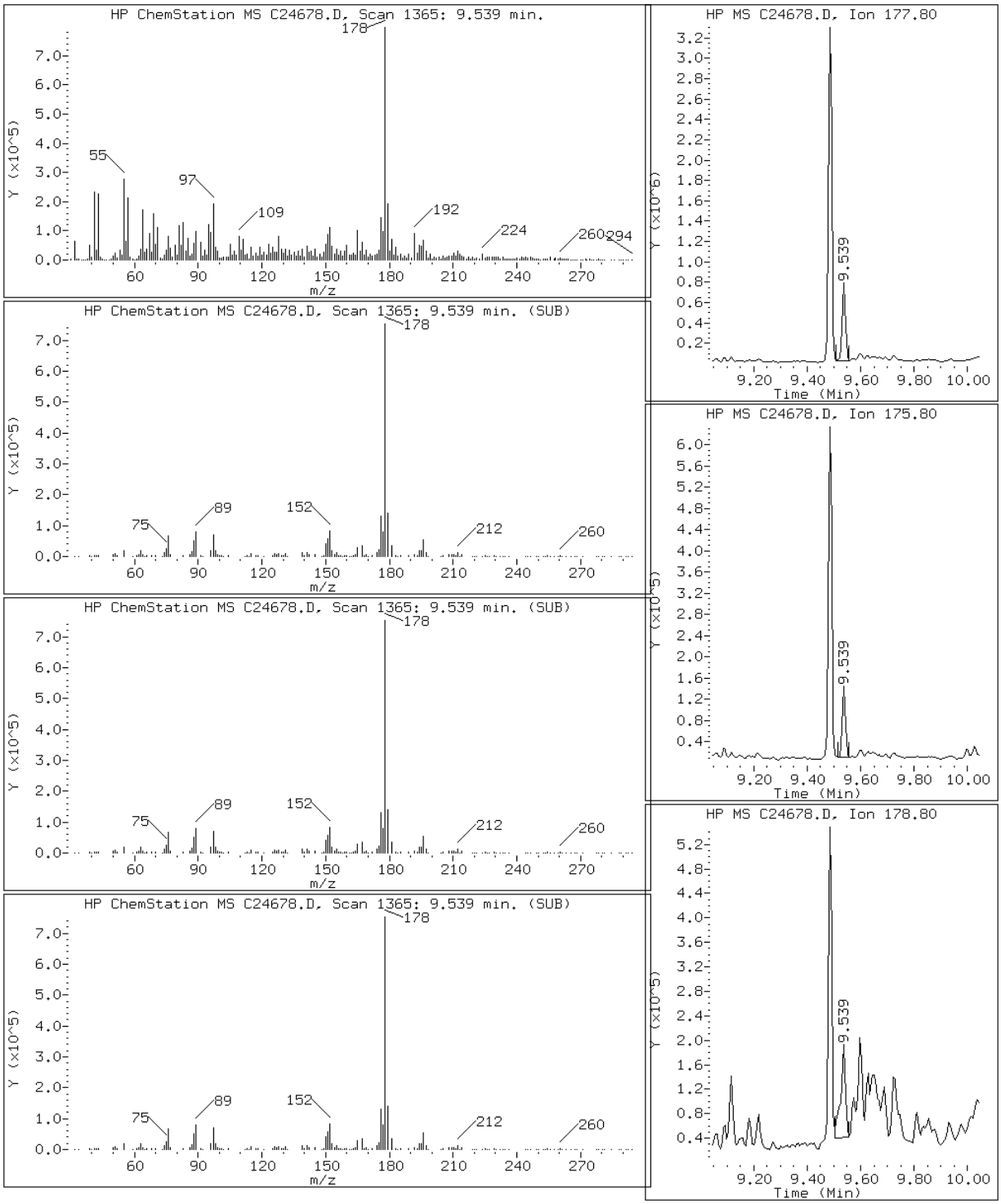
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

66 Anthracene



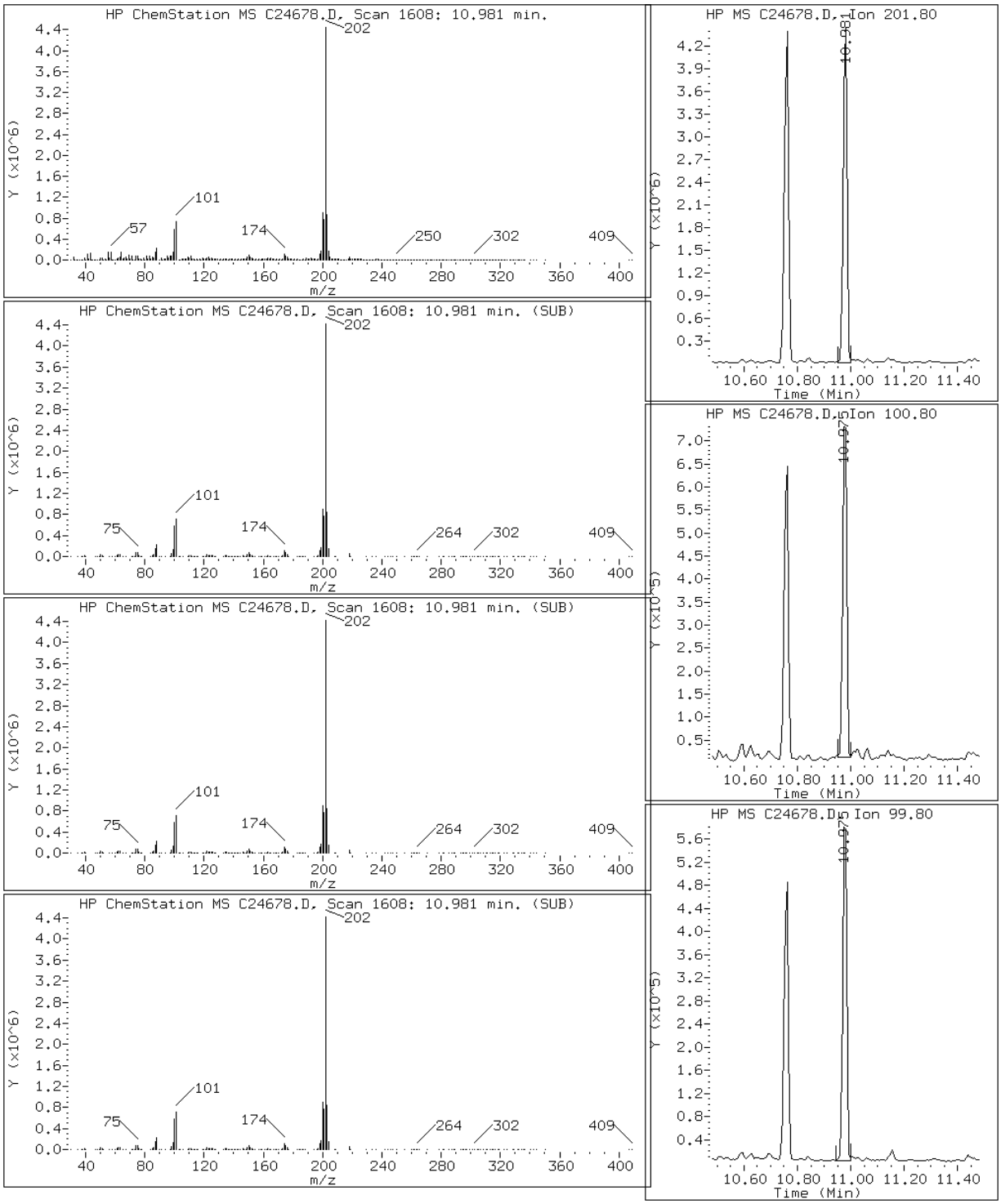
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

72 Pyrene



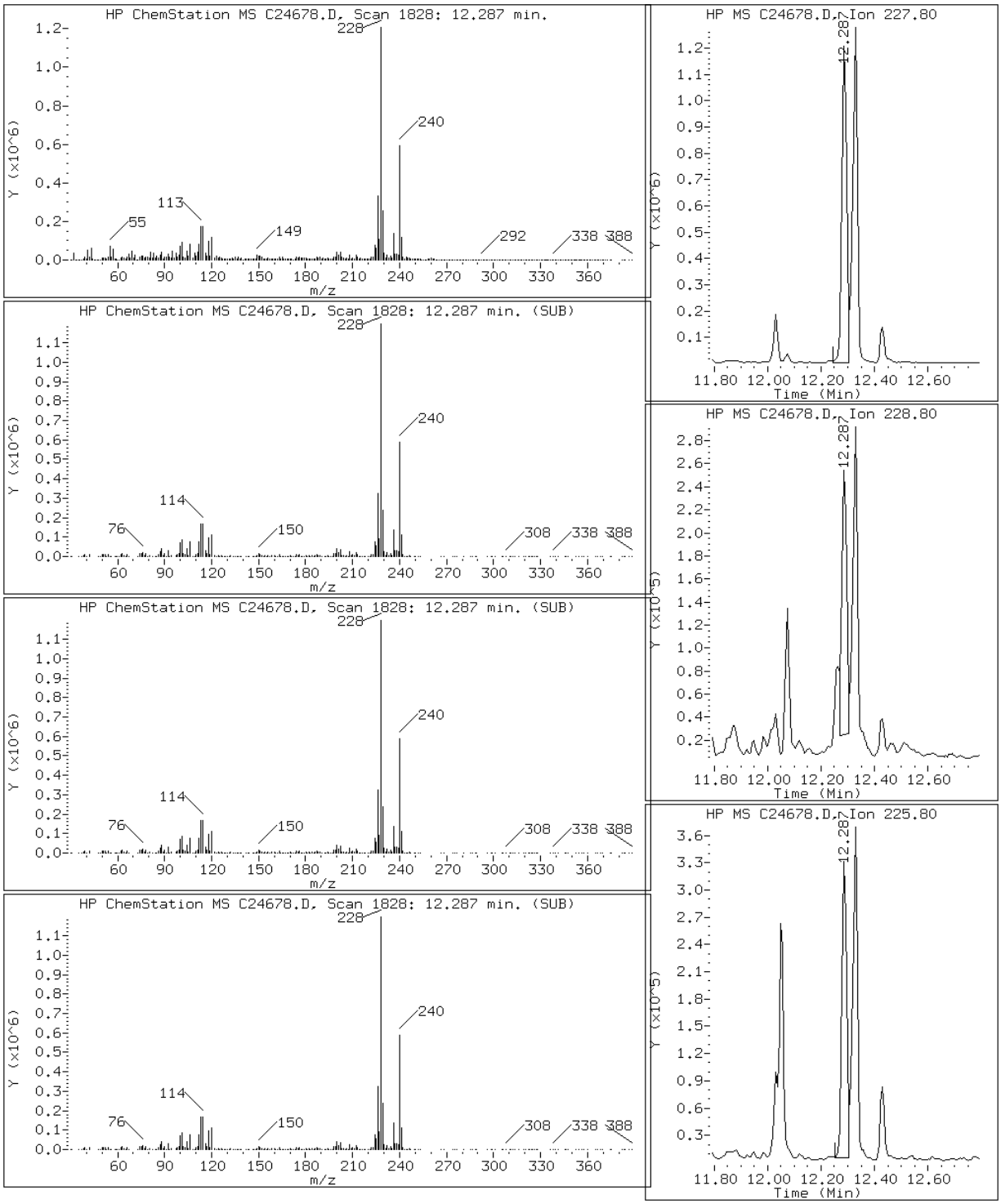
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

76 Benzo(a)anthracene



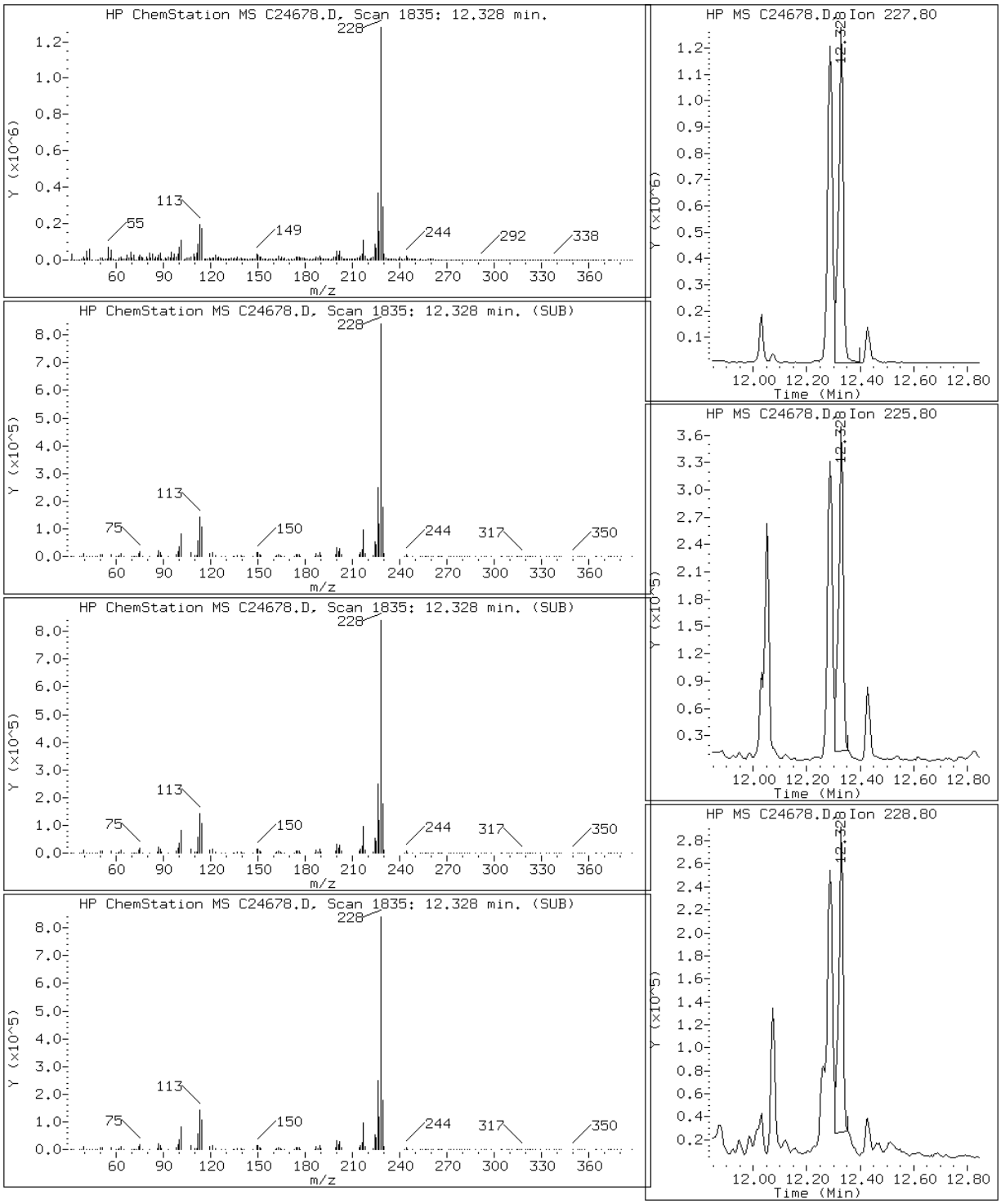
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

77 Chrysene



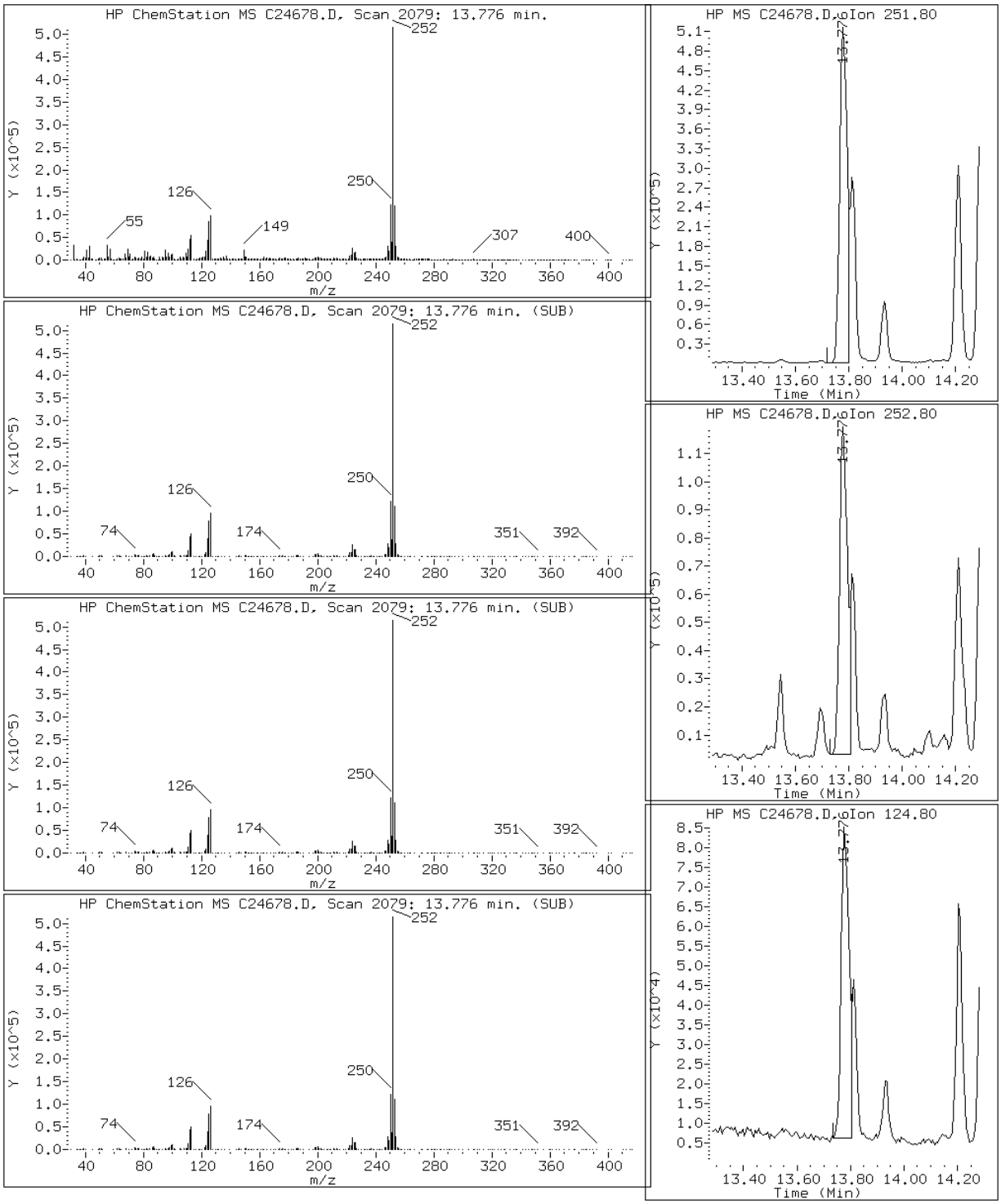
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

81 Benzo(b)fluoranthene



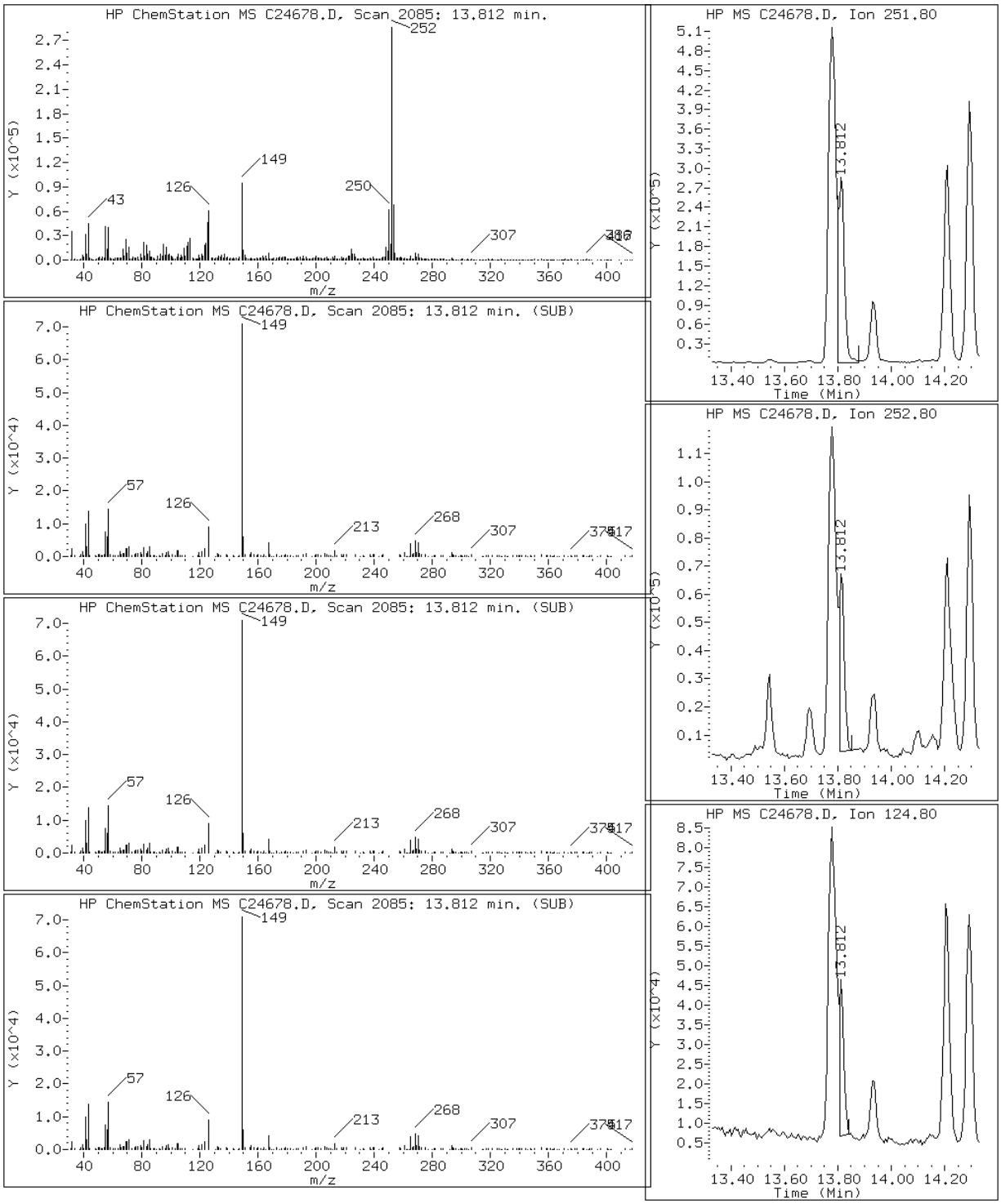
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

82 Benzo(k)fluoranthene



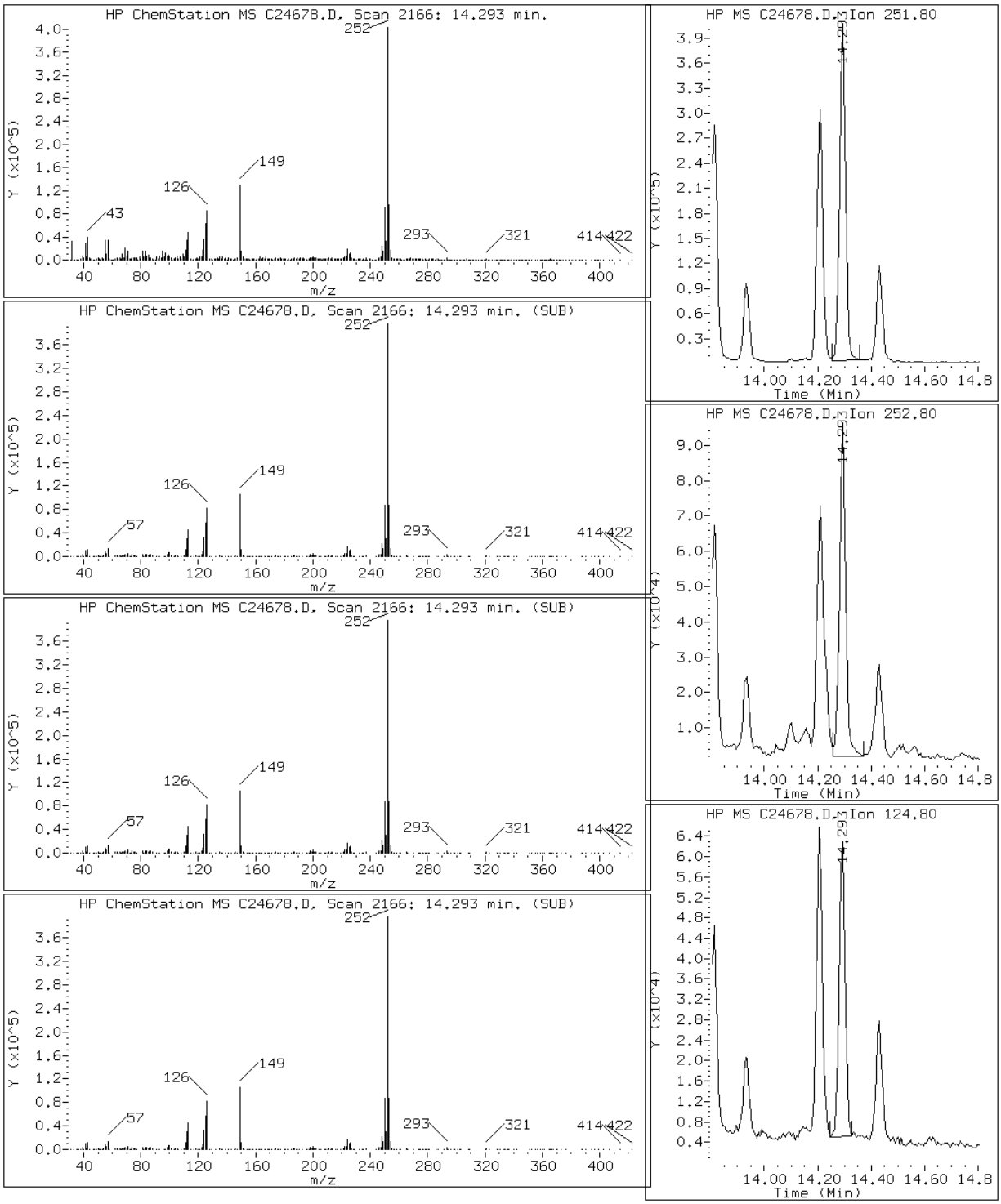
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

83 Benzo(a)pyrene



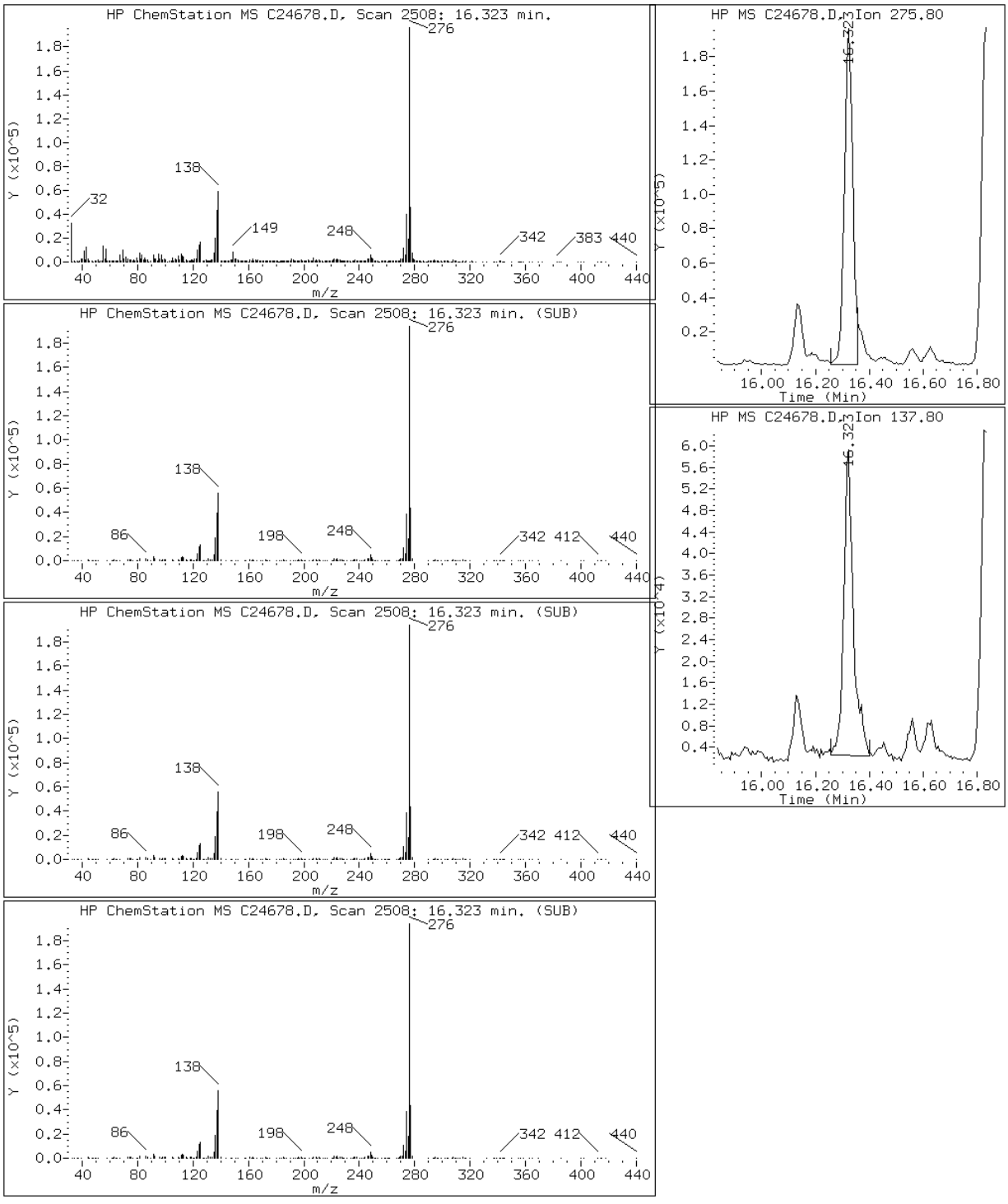
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

84 Indeno(1,2,3-cd)pyrene



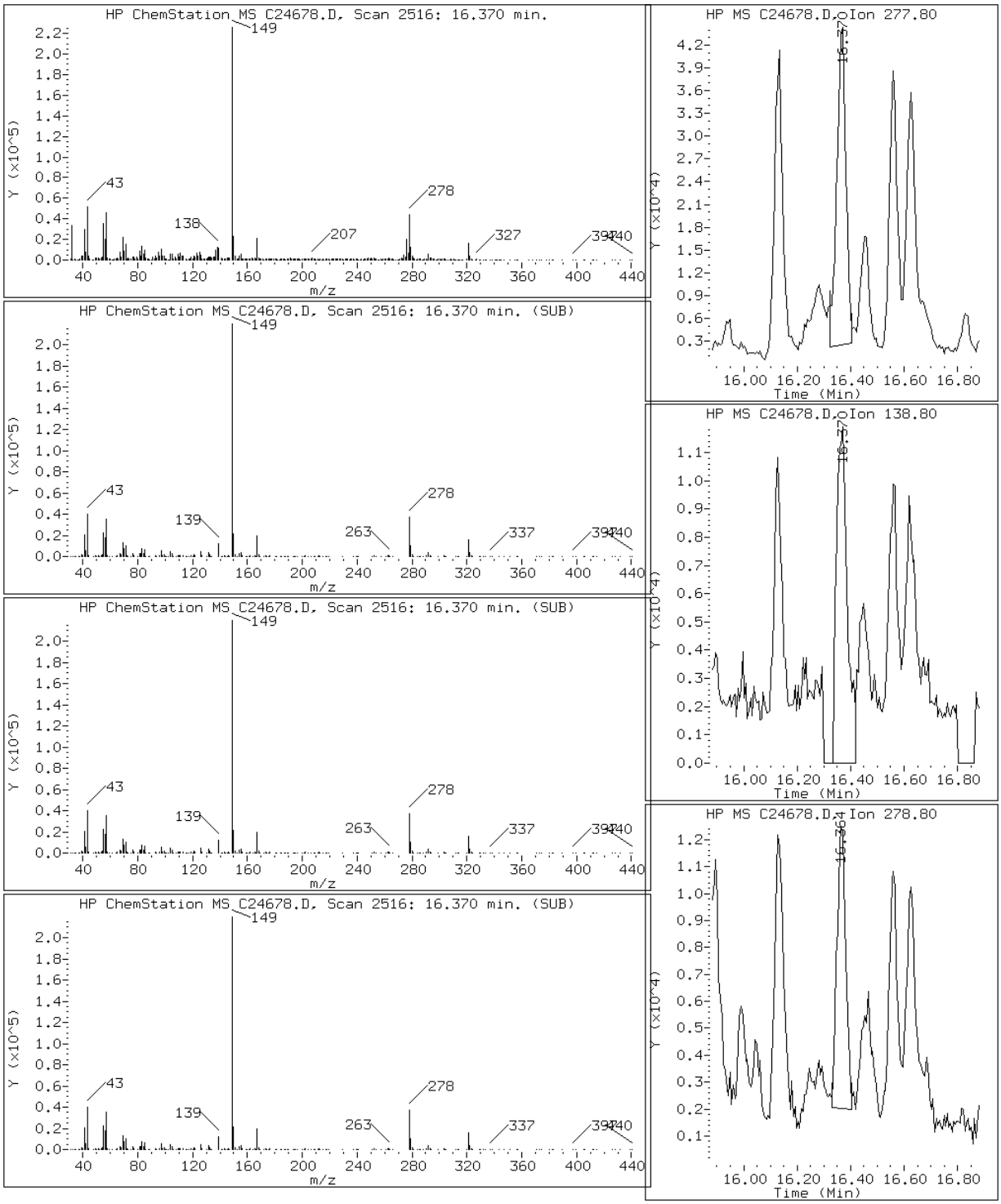
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

85 Dibenzo(a,h)anthracene



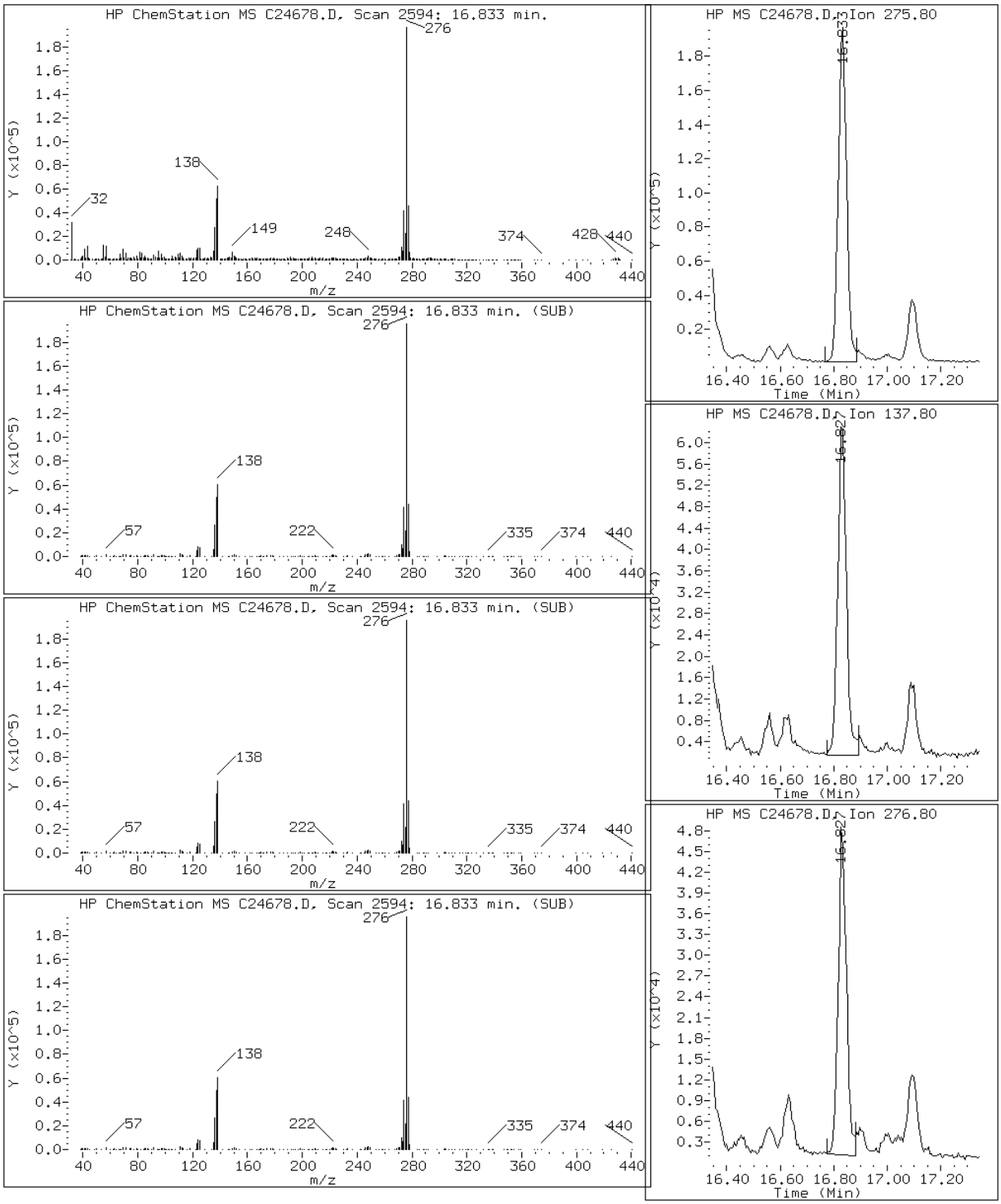
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

86 Benzo(g,h,i)perylene



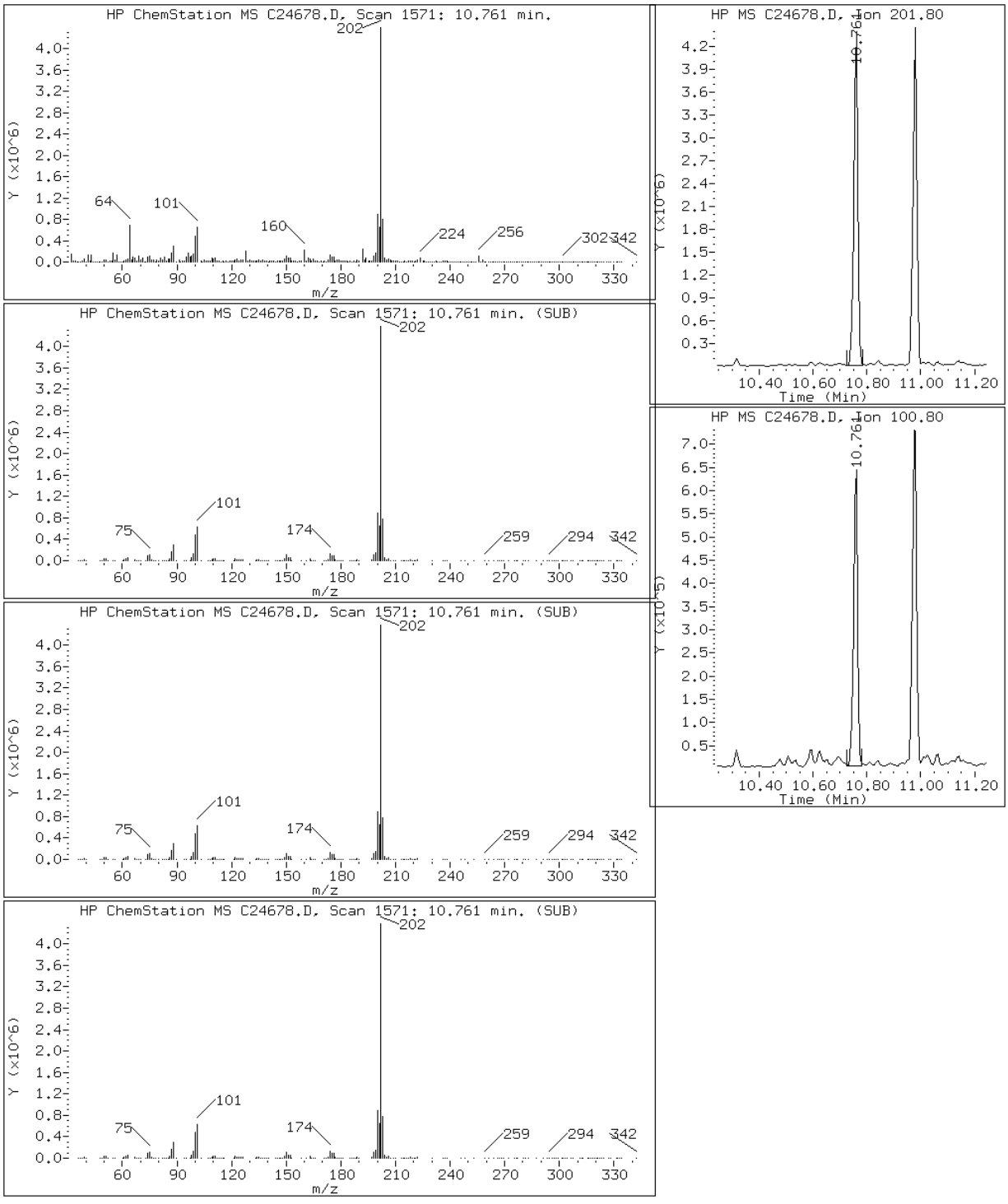
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

68 Fluoranthene



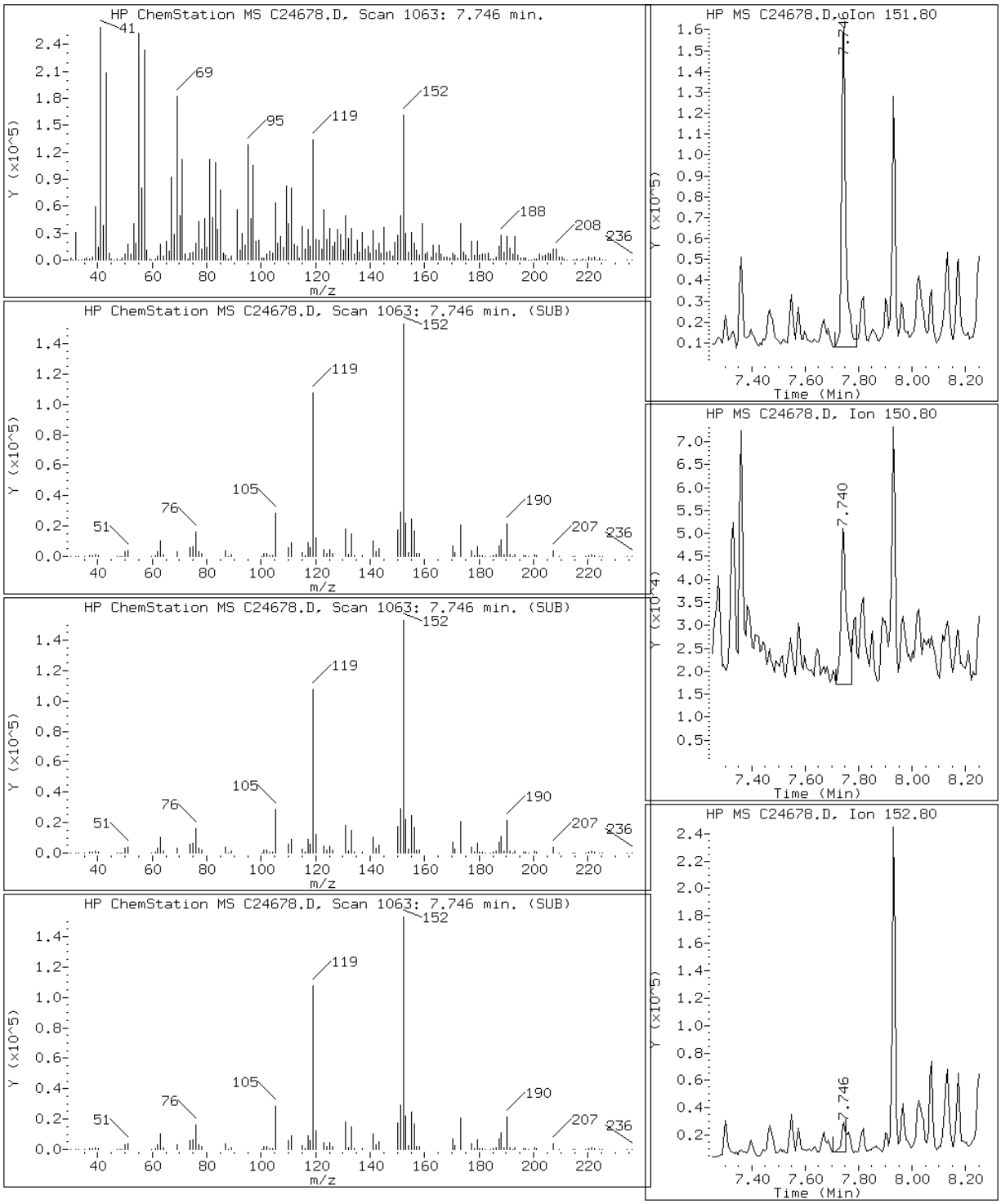
Data File: C24678.D

Date: 05-AUG-2011 13:28

Client ID: SB SE-11S 2.5'-3.5' Instrument: msc.i

Sample Info: 220-16095-B-1-A;2 Operator: S.Jonas

43 Acenaphthylene



Manual Integration Report

Data File: C24678.D
Inj. Date and Time: 05-AUG-2011 13:28
Instrument ID: msc.i
Client ID: SB SE-11S 2.5'-3.5'
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/05/2011

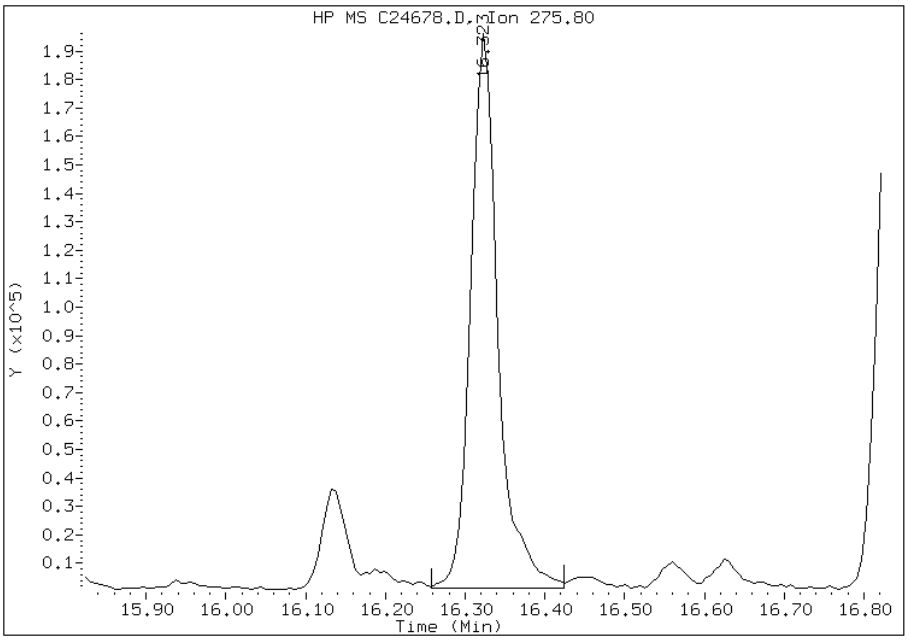
Processing Integration Results

RT: 16.32

Response: 462644

Amount: 18

Conc: 2693



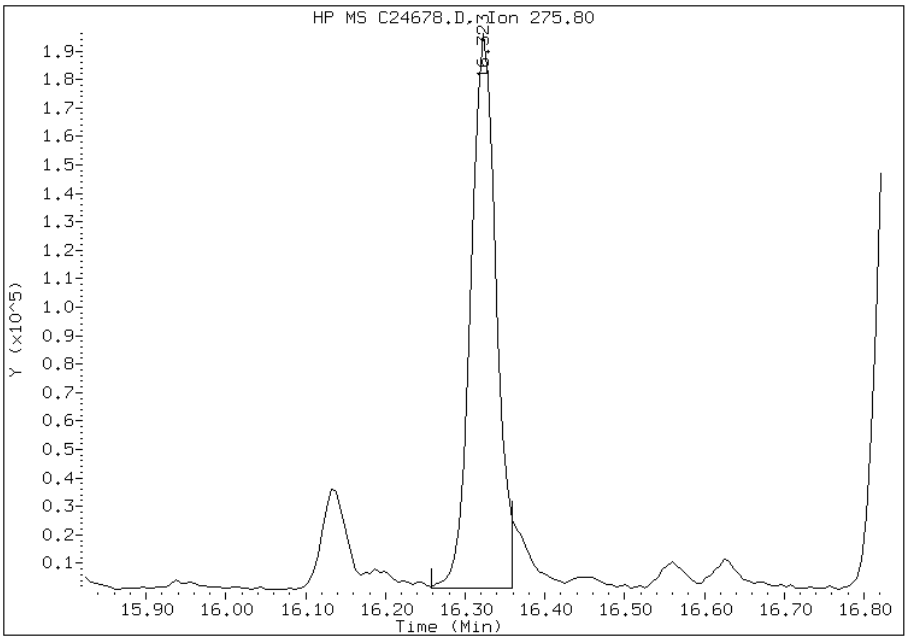
Manual Integration Results

RT: 16.32

Response: 429506

Amount: 16

Conc: 2500



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB SE 11D 22.5'-25' | Lab Sample ID: 220-16095-2

Matrix: Solid | Lab File ID: C24658.D

Analysis Method: 8270C | Date Collected: 07/25/2011 12:15

Extract. Method: 3541 | Date Extracted: 08/02/2011 11:09

Sample wt/vol: 15.01(g) | Date Analyzed: 08/04/2011 16:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53666 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	300	U	300	16
83-32-9	Acenaphthene	300	U	300	18
86-73-7	Fluorene	300	U	300	18
85-01-8	Phenanthrene	300	U	300	15
120-12-7	Anthracene	300	U	300	12
129-00-0	Pyrene	300	U	300	14
56-55-3	Benzo[a]anthracene	300	U	300	11
218-01-9	Chrysene	300	U	300	22
205-99-2	Benzo[b]fluoranthene	300	U	300	8.0
207-08-9	Benzo[k]fluoranthene	300	U	300	27
50-32-8	Benzo[a]pyrene	300	U	300	8.1
193-39-5	Indeno[1,2,3-cd]pyrene	300	U	300	20
53-70-3	Dibenz(a,h)anthracene	300	U	300	24
191-24-2	Benzo[g,h,i]perylene	300	U	300	20
206-44-0	Fluoranthene	300	U	300	15
208-96-8	Acenaphthylene	300	U	300	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	84		38-120
321-60-8	2-Fluorobiphenyl	85		41-120
1718-51-0	Terphenyl-d14	90		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24658.D
Lab Smp Id: 220-16095-B-2-A Client Smp ID: SB SE 11D 22.5'-25'
Inj Date : 04-AUG-2011 16:18
Operator : S.Jonas Inst ID: msc.i
Smp Info : 220-16095-B-2-A
Misc Info : 220-16095-B-2-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 08:18 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 08:26 Cal File: C24643.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.010	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	10.383	% Moisture
Cpnd Variable		Local Compound Variable

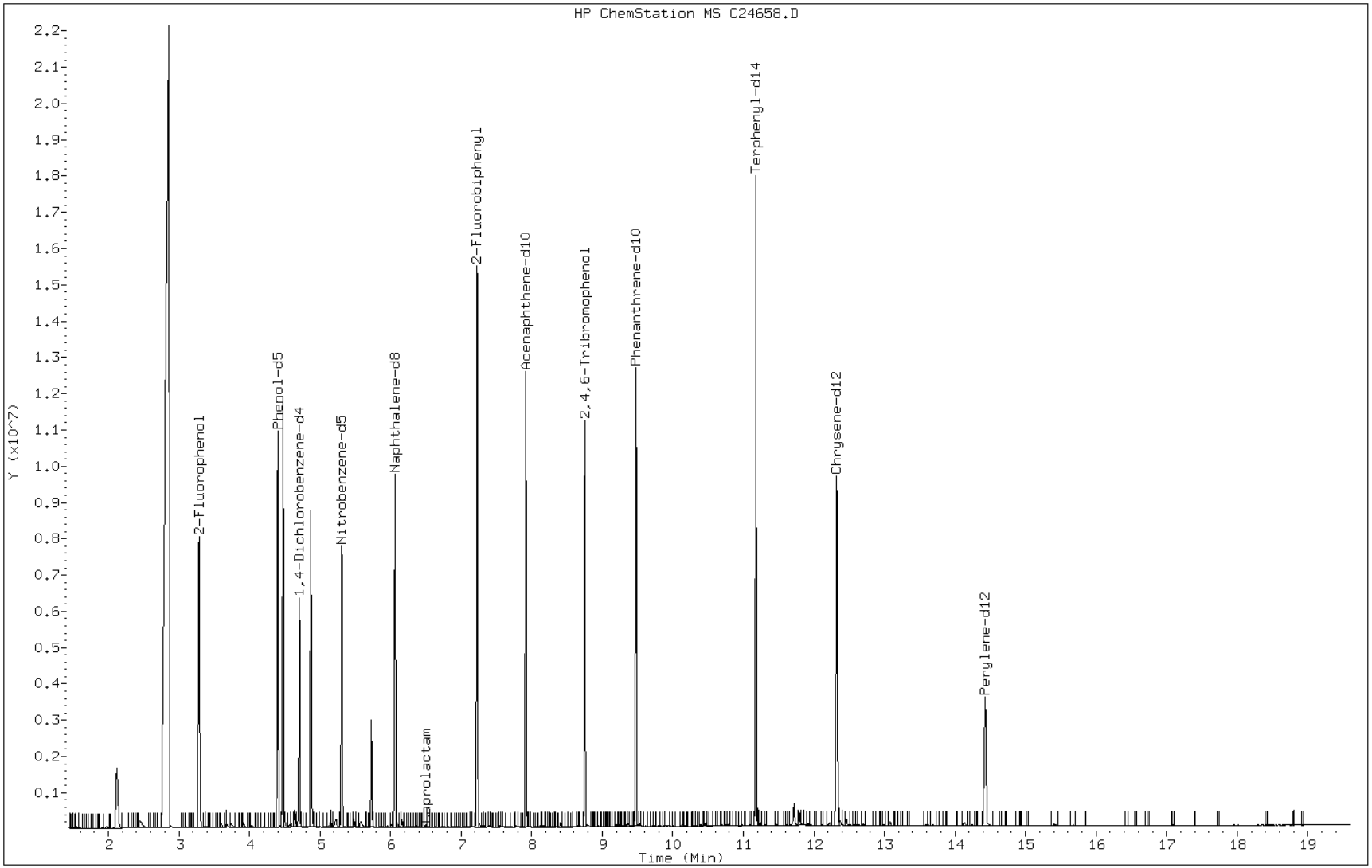
			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/Kg)
*	1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	968581	20.0000	
$	2	2-Fluorophenol	112	3.288	3.264	(0.699)	2671976	62.8588	4700
$	3	Phenol-d5	99	4.404	4.404	(0.936)	3648768	63.0644	4700
*	20	Naphthalene-d8	136	6.060	6.066	(1.000)	3932720	20.0000	
$	21	Nitrobenzene-d5	82	5.306	5.312	(0.876)	2285539	42.1571	3100
	129	Caprolactam	113	6.493	6.588	(1.071)	6559	0.47311	35
*	35	Acenaphthene-d10	164	7.918	7.924	(1.000)	2479713	20.0000	
$	40	2-Fluorobiphenyl	172	7.229	7.229	(0.913)	4798340	42.4773	3200
$	56	2,4,6-Tribromophenol	330	8.755	8.761	(1.106)	1055250	66.9282	5000
*	57	Phenanthrene-d10	188	9.479	9.485	(1.000)	4263109	20.0000	
*	70	Chrysene-d12	240	12.322	12.334	(1.000)	3995677	20.0000	
$	73	Terphenyl-d14	244	11.176	11.176	(0.907)	5540737	44.9475	3300
*	79	Perylene-d12	264	14.429	14.435	(1.000)	2126905	20.0000	

Data File: C24658.D

Date: 04-AUG-2011 16:18

Client ID: SB SE 11D 22.5'-25' Instrument: msc.i

Sample Info: 220-16095-B-2-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: SB MW-B | Lab Sample ID: 220-16095-3

Matrix: Water | Lab File ID: Z21929.D

Analysis Method: 8270C | Date Collected: 07/25/2011 11:45

Extract. Method: 3510C | Date Extracted: 07/27/2011 09:39

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2011 16:22

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	4.0	U	4.0	0.30
83-32-9	Acenaphthene	4.0	U	4.0	0.31
86-73-7	Fluorene	4.0	U	4.0	0.26
85-01-8	Phenanthrene	4.0	U	4.0	0.28
120-12-7	Anthracene	4.0	U	4.0	0.29
129-00-0	Pyrene	4.0	U	4.0	0.33
56-55-3	Benzo[a]anthracene	4.0	U	4.0	0.30
218-01-9	Chrysene	4.0	U	4.0	0.25
205-99-2	Benzo[b]fluoranthene	4.0	U	4.0	0.36
207-08-9	Benzo[k]fluoranthene	4.0	U	4.0	0.40
50-32-8	Benzo[a]pyrene	4.0	U	4.0	0.35
193-39-5	Indeno[1,2,3-cd]pyrene	4.0	U	4.0	0.28
53-70-3	Dibenz(a,h)anthracene	4.0	U	4.0	0.38
191-24-2	Benzo[g,h,i]perylene	4.0	U	4.0	0.36
206-44-0	Fluoranthene	4.0	U	4.0	0.31
208-96-8	Acenaphthylene	4.0	U	4.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	68		40-120
321-60-8	2-Fluorobiphenyl	68		39-120
1718-51-0	Terphenyl-d14	81		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Z21929.D
Lab Smp Id: 220-16095-D-3-A Client Smp ID: SB MW-B
Inj Date : 01-AUG-2011 16:22
Operator : S.Jonas Inst ID: msz.i
Smp Info : 220-16095-D-3-A
Misc Info : 220-16095-D-3-A
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 09:34 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 13:54 Cal File: Z21887.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.756	4.759	(1.000)	256246	20.0000	
$	2 2-Fluorophenol	112	3.304	3.311	(0.695)	453832	31.2235	31
$	3 Phenol-d5	99	4.429	4.445	(0.931)	457399	21.8935	22
	128 Benzaldehyde	77	4.277	4.274	(0.899)	8065	0.90255	0.9
	13 Benzyl alcohol	108	4.936	4.949	(1.038)	50617	4.37416	4
*	20 Naphthalene-d8	136	6.117	6.123	(1.000)	1142729	20.0000	
$	21 Nitrobenzene-d5	82	5.359	5.368	(0.876)	693237	34.1833	34
	26 Benzoic Acid	122	5.872	6.012	(0.960)	2050	3.88513	4(M)
	129 Caprolactam	113	6.549	6.636	(1.071)	6249	1.15590	1(M)
*	35 Acenaphthene-d10	164	7.976	7.982	(1.000)	679858	20.0000	
$	40 2-Fluorobiphenyl	172	7.283	7.289	(0.913)	1372776	33.9655	34
$	56 2,4,6-Tribromophenol	330	8.812	8.821	(1.105)	363646	61.8553	62
*	57 Phenanthrene-d10	188	9.539	9.549	(1.000)	1126471	20.0000	
*	70 Chrysene-d12	240	12.395	12.405	(1.000)	1022581	20.0000	
$	73 Terphenyl-d14	244	11.242	11.242	(0.907)	1818107	40.3386	40
*	79 Perylene-d12	264	14.524	14.528	(1.000)	673382	20.0000	

QC Flag Legend

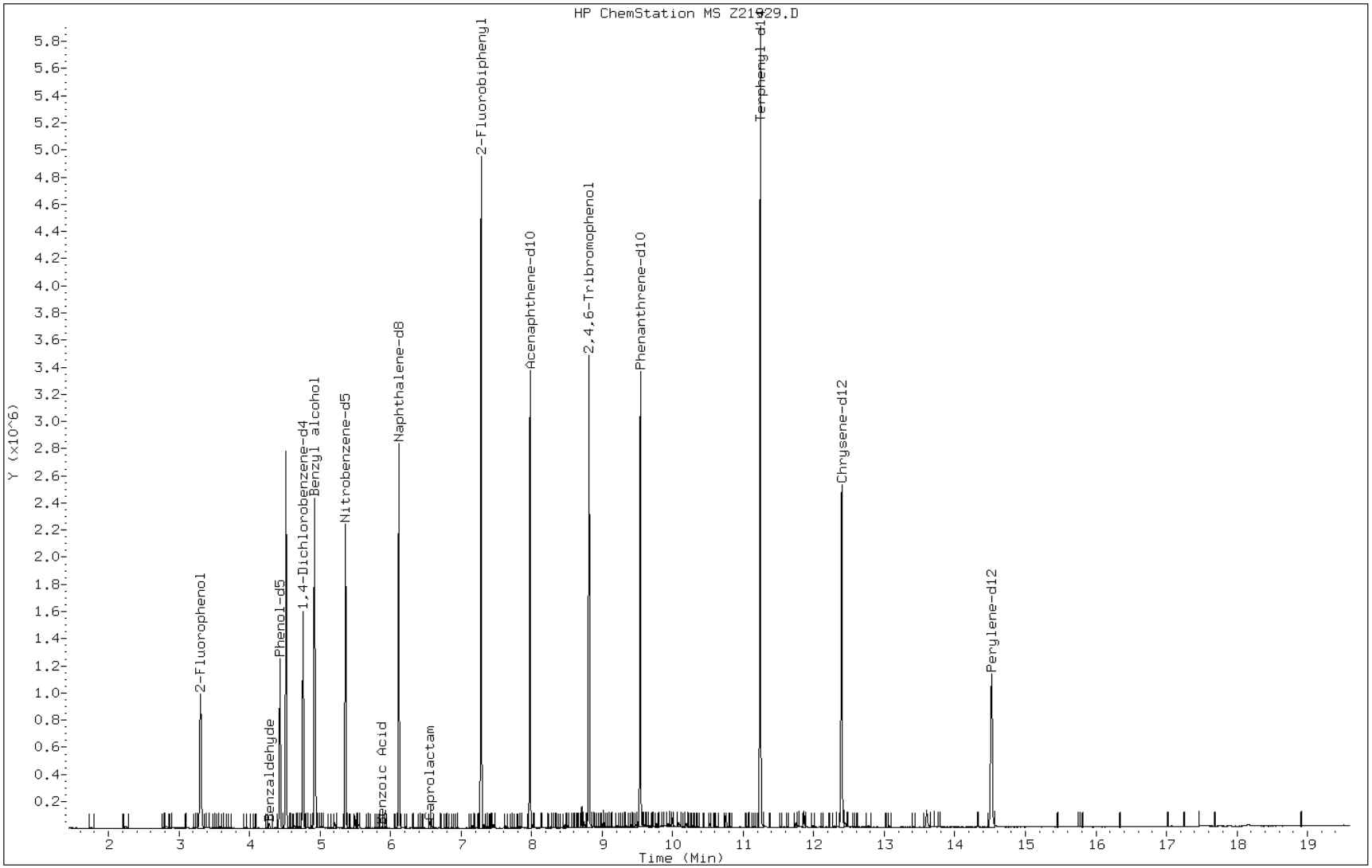
M - Compound response manually integrated.

Data File: Z21929.D

Date: 01-AUG-2011 16:22

Client ID: SB MW-B Instrument: msz.i

Sample Info: 220-16095-D-3-A Operator: S.Jonas



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53666/2	C24644.D
Level 2	IC 220-53666/3	C24645.D
Level 3	IC 220-53666/4	C24646.D
Level 4	IC 220-53666/5	C24647.D
Level 5	ICIS 220-53666/1	C24643.D
Level 6	IC 220-53666/6	C24648.D
Level 7	IC 220-53666/7	C24649.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.2493 0.2478	0.2561 0.2476	0.2341	0.2407	0.3022	Ave		0.2540				8.8		15.0			
Pyridine	0.3094 0.3230	0.3217 0.3277	0.3138	0.3113	0.3967	Ave		0.3291				9.3		15.0			
Cyclohexanone	0.7010 0.6613	0.7008 0.6433	0.6698	0.6628	0.7870	Ave		0.6894				7.0		15.0			
Benzaldehyde	0.0627 0.1606	0.0621 0.1656	0.1278	0.1293	0.2618	Ave		0.1385				49.5	*	15.0			
Aniline	1.2659 1.4046	1.3818 1.4091	1.3636	1.3714	1.6606	Ave		1.4081				8.6		15.0			
Phenol	1.3185 1.2415	1.2954 1.2202	1.2658	1.2528	1.4681	Ave		1.2946				6.4		30.0			
Bis(2-chloroethyl)ether	0.9128 0.8936	0.8936 0.9233	0.8757	0.8537	1.0397	Ave		0.9132				6.6		15.0			
2-Chlorophenol	1.1146 1.0640	1.1054 1.0618	1.0787	1.0630	1.2805	Ave		1.1097				7.1		15.0			
1,3-Dichlorobenzene	1.2425 1.2021	1.2429 1.2204	1.1960	1.1895	1.4122	Ave		1.2437				6.2		15.0			
1,4-Dichlorobenzene	1.2500 1.2081	1.2711 1.2134	1.2439	1.2294	1.4535	Ave		1.2670				6.7		30.0			
1,2-Dichlorobenzene	1.2019 1.1446	1.2265 1.1275	1.1791	1.1601	1.3693	Ave		1.2013				6.8		15.0			
Benzyl alcohol	0.6498 0.6782	0.6708 0.6888	0.6646	0.6656	0.8131	Ave		0.6901				8.0		15.0			
2,2'-oxybis[1-chloropropane]	2.0636 1.8753	2.0722 1.8618	1.9756	1.9586	2.3291	Ave		2.0195				7.9		15.0			
2-Methylphenol	0.9589 0.9485	1.0102 0.9586	0.9645	0.9427	1.1269	Ave		0.9872				6.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	1.3401 1.3188	1.3620 1.3481	1.2905	1.3101	1.5408	Ave		1.3586				6.2		15.0			
N-Nitrosodi-n-propylamine	0.7858 0.7837	0.7929 0.7882	0.7768	0.7688	0.9235	Ave		0.8028			0.0500	6.7		15.0			
Methylphenol, 3 & 4	1.0287 1.0041	1.0525 0.9821	1.0104	1.0041	1.2050	Ave		1.0410				7.3		15.0			
Hexachloroethane	0.5122 0.5198	0.5175 0.5143	0.5095	0.5093	0.6146	Ave		0.5282				7.2		15.0			
Nitrobenzene	0.2729 0.2613	0.2755 0.2721	0.2650	0.2644	0.3283	Ave		0.2771				8.4		15.0			
Isophorone	0.4973 0.4871	0.4963 0.5056	0.4853	0.4797	0.5917	Ave		0.5062				7.6		15.0			
2-Nitrophenol	0.1540 0.1533	0.1551 0.1567	0.1531	0.1519	0.1852	Ave		0.1584				7.5		30.0			
2,4-Dimethylphenol	0.2312 0.2214	0.2362 0.2245	0.2323	0.2302	0.2839	Ave		0.2371				8.9		15.0			
Bis(2-chloroethoxy)methane	0.3135 0.2966	0.3188 0.3056	0.3090	0.3052	0.3703	Ave		0.3170				7.7		15.0			
Benzoic acid	0.0116 0.1277	0.0213 0.1489	0.0586	0.0782	0.1471	Ave		0.0848				68.1	*	15.0			
2,4-Dichlorophenol	0.2273 0.2182	0.2271 0.2213	0.2227	0.2248	0.2721	Ave		0.2305				8.1		30.0			
1,2,4-Trichlorobenzene	0.2472 0.2402	0.2506 0.2448	0.2464	0.2429	0.2960	Ave		0.2526				7.7		15.0			
Naphthalene	0.8095 0.6568	0.8056 0.5943	0.7776	0.7746	0.8896	Ave		0.7583				13.2		15.0			
4-Chloroaniline	0.2651 0.3131	0.3187 0.3093	0.3190	0.3153	0.3890	Ave		0.3185				11.4		15.0			
Hexachlorobutadiene	0.1493 0.1423	0.1481 0.1463	0.1460	0.1444	0.1747	Ave		0.1502				7.4		30.0			
Caprolactam	0.0596 0.0731	0.0612 0.0789	0.0638	0.0704	0.0865	Ave		0.0705				14.0		15.0			
4-Chloro-3-methylphenol	0.2205 0.2242	0.2269 0.2320	0.2219	0.2251	0.2773	Ave		0.2326				8.6		30.0			
2,4,5-Trichlorotoluene	0.9101 0.9112	0.9326 0.9004	0.9068	0.8948	1.0655	Ave		0.9316				6.5		15.0			
2-Methylnaphthalene	0.5420 0.4883	0.5489 0.4815	0.5252	0.5172	0.6221	Ave		0.5322				8.8		15.0			
Hexachlorocyclopentadiene	0.1354 0.2444	0.1667 0.2483	0.2051	0.2252	0.3071	Ave		0.2189			0.0500	25.9	*	15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.1983 0.1918	0.1588 0.1956	0.1931	0.1532	0.2375	Ave		0.1897				14.8		15.0			
2,4,6-Trichlorophenol	0.2573 0.2599	0.2664 0.2678	0.2596	0.2588	0.3234	Ave		0.2704				8.8		30.0			
2,4,5-Trichlorophenol	0.2533 0.2821	0.2738 0.2802	0.2648	0.2657	0.3365	Ave		0.2795				9.7		15.0			
1,1'-Biphenyl	1.0617 0.8744	1.0873 0.7831	1.0131	0.9991	1.1732	Ave		0.9988				13.2		15.0			
2-Chloronaphthalene	0.8581 0.7416	0.8539 0.7190	0.8049	0.7867	0.9413	Ave		0.8151				9.3		15.0			
2-Nitroaniline	0.2542 0.2594	0.2603 0.2641	0.2565	0.2543	0.3235	Ave		0.2675				9.3		15.0			
Dimethyl phthalate	0.9150 0.8728	0.9285 0.8883	0.8822	0.8793	1.0780	Ave		0.9206				7.9		15.0			
2,6-Dinitrotoluene	0.2073 0.2179	0.2148 0.2275	0.2119	0.2145	0.2668	Ave		0.2230				9.1		15.0			
Acenaphthylene	1.4084 1.1069	1.4064 1.0548	1.3568	1.3303	1.5697	Ave		1.3191				13.7		15.0			
3-Nitroaniline	0.2124 0.2487	0.2357 0.2552	0.2345	0.2427	0.3085	Ave		0.2483				12.0		15.0			
Acenaphthene	0.8735 0.7717	0.9004 0.7681	0.8438	0.8207	0.9830	Ave		0.8516				8.9		30.0			
2,4-Dinitrophenol	0.0568 0.1384	0.0856 0.1480	0.1128	0.1172	0.1614	Ave		0.1172			0.0500	31.2	*	15.0			
4-Nitrophenol	+++++ 0.1158	0.0958 0.1185	0.0983	0.1000	0.1353	Ave		0.1106			0.0500	13.9		15.0			
Dibenzofuran	1.2522 1.0807	1.2564 0.9538	1.1974	1.1627	1.3759	Ave		1.1827				11.5		15.0			
2,4-Dinitrotoluene	0.2913 0.2936	0.2941 0.2959	0.2882	0.2932	0.3614	Ave		0.3025				8.6		15.0			
2,3,4,6-Tetrachlorophenol	0.1719 0.2120	0.1467 0.2200	0.2030	0.1671	0.2624	Ave		0.1976				19.7	*	15.0			
Diethyl phthalate	0.9459 0.8963	0.9673 0.8875	0.9204	0.9179	1.1154	Ave		0.9501				8.2		15.0			
Fluorene	0.9969 0.8917	1.0138 0.8534	0.9654	0.9404	1.1422	Ave		0.9720				9.7		15.0			
4-Chlorophenyl phenyl ether	0.4856 0.4416	0.4936 0.4373	0.4625	0.4593	0.5577	Ave		0.4768				8.7		15.0			
4-Nitroaniline	0.2255 0.2493	0.2306 0.2564	0.2306	0.2380	0.3038	Ave		0.2477				10.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	+++++ 0.1051	0.0854 0.1088	0.0946	0.0960	0.1261	Ave		0.1027				13.8		15.0			
N-Nitrosodiphenylamine	0.4272 0.3884	0.4266 0.3809	0.4071	0.4010	0.4845	Ave		0.4165				8.3		30.0			
1,2-Diphenylhydrazine	0.6095 0.5577	0.6289 0.5331	0.5919	0.5816	0.7030	Ave		0.6008				9.2		15.0			
4-Bromophenyl phenyl ether	0.1645 0.1540	0.1620 0.1563	0.1583	0.1559	0.1947	Ave		0.1637				8.7		15.0			
Hexachlorobenzene	0.1698 0.1632	0.1727 0.1641	0.1640	0.1625	0.2003	Ave		0.1710				7.9		15.0			
Simazine	0.0846 0.0972	0.0884 0.0995	0.0885	0.0879	0.1137	Ave		0.0943				10.8		15.0			
Atrazine	0.1234 0.1479	0.1330 0.1491	0.1282	0.1308	0.1666	Ave		0.1399				10.9		15.0			
Pentachlorophenol	+++++ 0.0841	0.0467 0.0933	0.0673	0.0722	0.1026	Ave		0.0777				25.8		30.0			
Pentachloronitrobenzene	0.0635 0.0667	0.0555 0.0683	0.0683	0.0540	0.0829	Ave		0.0656				14.7		15.0			
Phenanthrene	0.8576 0.6782	0.8478 0.6257	0.8017	0.7669	0.9218	Ave		0.7857				13.3		15.0			
Anthracene	0.8482 0.6629	0.8819 0.6271	0.8153	0.7912	0.9414	Ave		0.7954				14.3		15.0			
Carbazole	0.7824 0.6707	0.7995 0.6389	0.7574	0.7347	0.8819	Ave		0.7522				10.8		15.0			
Di-n-butyl phthalate	0.8878 0.7179	0.9469 +++++	0.9108	0.8975	1.0335	Ave		0.8991				11.5		15.0			
Fluoranthene	0.8853 0.7385	0.9088 0.6673	0.8539	0.8391	0.9983	Ave		0.8416				13.0		30.0			
Benzidine	0.0992 0.2525	0.1200 0.2415	0.2045	0.2361	0.2437	Lin	0.0727	0.2510						15.0	0.9988		0.9900
Pyrene	0.9580 0.8142	0.9553 0.7681	0.8850	0.9030	1.0802	Ave		0.9091				11.3		15.0			
3,3'-Dimethylbenzidine	0.0903 0.1739	0.0737 0.1651	0.1224	0.1396	0.2171	Ave		0.1403				35.5	*	15.0			
Butyl benzyl phthalate	0.3120 0.3743	0.3348 0.3935	0.3330	0.3589	0.4626	Ave		0.3670				13.7		15.0			
3,3'-Dichlorobenzidine	0.2030 0.2176	0.2066 0.2098	0.2121	0.2196	0.2823	Ave		0.2215				12.4		15.0			
Benzo[a]anthracene	0.8553 0.7669	0.8395 0.7768	0.7831	0.7946	0.9757	Ave		0.8274				8.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	0.8063 0.6912	0.8175 0.6873	0.7574	0.7578	0.8975	Ave		0.7736				9.6		15.0			
Bis(2-ethylhexyl) phthalate	0.3221 0.4133	0.3396 0.4375	0.3395	0.3795	0.5091	Ave		0.3915				17.1	*	15.0			
Di-n-octyl phthalate	0.4200 0.9587	0.4408 1.1432	0.4858	0.5759	0.9622	Qua	0.1552	1.1799	-0.074					30.0	0.9940		0.9900
Benzo[b]fluoranthene	0.8306 0.9927	0.8552 1.0344	0.8495	0.8607	1.1749	Ave		0.9426				13.7		15.0			
Benzo[k]fluoranthene	0.8826 1.0511	0.8957 1.0956	0.8556	0.9256	1.2314	Ave		0.9911				14.0		15.0			
Benzo[a]pyrene	0.6782 0.7214	0.6948 0.7433	0.6747	0.6937	0.9021	Ave		0.7297				10.9		30.0			
Indeno[1,2,3-cd]pyrene	0.4061 0.4115	0.4348 0.5370	0.3948	0.3511	0.4208	Ave		0.4223				13.5		15.0			
Dibenz(a,h)anthracene	0.3767 0.4012	0.3939 0.5210	0.3808	0.3477	0.4205	Ave		0.4060				13.7		15.0			
Benzo[g,h,i]perylene	0.4112 0.4187	0.4061 +++++	0.3588	0.3106	0.4008	Ave		0.3844				10.9		15.0			
2-Fluorophenol	0.8552 0.8646	0.8592 0.8700	0.8429	0.8408	1.0115	Ave		0.8777				6.8		15.0			
Phenol-d5	1.1798 1.1536	1.2111 1.1611	1.1468	1.1350	1.3754	Ave		1.1947				7.0		15.0			
Nitrobenzene-d5	0.2753 0.2648	0.2714 0.2714	0.2639	0.2619	0.3213	Ave		0.2757				7.5		15.0			
2-Fluorobiphenyl	0.9305 0.8384	0.9455 0.8222	0.9035	0.8773	1.0602	Ave		0.9111				8.8		15.0			
2,4,6-Tribromophenol	0.1139 0.1260	0.1200 0.1318	0.1222	0.1225	0.1538	Ave		0.1272				10.2		15.0			
Terphenyl-d14	0.6161 0.5755	0.6320 0.6024	0.5868	0.5808	0.7255	Ave		0.6170				8.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53666/2	C24644.D
Level 2	IC 220-53666/3	C24645.D
Level 3	IC 220-53666/4	C24646.D
Level 4	IC 220-53666/5	C24647.D
Level 5	ICIS 220-53666/1	C24643.D
Level 6	IC 220-53666/6	C24648.D
Level 7	IC 220-53666/7	C24649.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	26166 766025	53538 1004124	126864	262333	532923	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	32470 998682	67260 1329082	170039	339349	699585	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	73565 2044647	146506 2609345	362974	722532	1388056	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	6576 496469	12992 671493	69257	140907	461670	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	132849 4342673	288874 5715194	738960	1494851	2928764	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	138366 3838653	270822 4948910	685958	1365574	2589345	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	95791 2762762	186822 3744795	474525	930547	1833773	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	116966 3289729	231085 4306568	584543	1158723	2258340	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	130397 3716800	259849 4949743	648108	1296676	2490663	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	131181 3735226	265729 4921365	674088	1340128	2563466	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	126130 3538949	256406 4573090	638943	1264615	2415060	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	68191 2096940	140244 2793625	360147	725554	1433987	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	216564 5798039	433207 7551553	1070585	2135005	4107835	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	100630 2932743	211199 3888127	522664	1027593	1987448	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	140638 4077365	284746 5467633	699332	1428066	2717605	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	82467 2422942	165754 3196929	420979	838078	1628776	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Methylphenol, 3 & 4	DCB	Ave	107958 3104367	220044 3983316	547567	1094509	2125344	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	53753 1607100	108194 2086014	276127	555164	1083918	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	119054 3428244	239234 4625692	596260	1194450	2353187	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	216935 6390436	430991 8596519	1091921	2167638	4241802	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	67159 2011571	134654 2663853	344370	686233	1327481	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	100850 2905124	205143 3816366	522688	1039925	2034950	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	136748 3891153	276830 5196737	695279	1378953	2654946	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Ave	12612 1674985	46186 2531808	329320	530033	1054621	5.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	99167 2862391	197224 3762149	501056	1015608	1950683	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	107838 3151259	217614 4161637	554426	1097623	2122285	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	353102 8617417	699556 10105639	1749478	3500081	6377569	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	115642 4107380	276716 5258496	717762	1424852	2788772	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	65142 1866784	128619 2487793	328555	652458	1252283	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	25981 959331	53117 1341534	143586	318234	620298	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	96197 2940823	197070 3944389	499132	1017177	1987709	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	95507 2817426	194973 3652136	491384	975353	1879266	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	236439 6405913	476658 8186517	1181541	2336778	4459863	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Ave	36494 1986427	88525 2617151	285159	634532	1359808	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	53425 1559005	105413 2061694	268539	539501	1051569	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	69337 2112349	141483 2822335	360957	729176	1431904	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	170623 2292913	363486 2952823	920252	1123087	1490048	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	286065 7108209	577489 8254212	1408523	2815483	5194856	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	231221 6028203	453532 7577725	1119161	2217005	4167717	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	68488 2108294	138249 2784091	356605	716624	1432366	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	246537 7095177	493143 9362466	1226541	2477885	4773303	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	55870 1771582	114106 2398056	294567	604335	1181289	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	379490 8997971	746987 11117887	1886374	3748937	6950390	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	57239 2021549	125177 2689512	326105	683946	1366193	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	235370 6273404	478207 8095566	1173254	2312674	4352380	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Ave	38283 1125241	113675 1560042	392209	495579	714449	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Ave	+++++ 941282	127151 1249074	341563	422589	599289	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	337415 8785041	667272 10052917	1664795	3276453	6092465	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	78500 2387022	156194 3118977	400698	826315	1600138	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	46320 1723728	97386 2318960	282277	588479	1162017	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	254879 7285846	513758 9354527	1279673	2586688	4938609	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	268606 7248467	538464 8994580	1342250	2650145	5057582	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	130857 3589531	262171 4609088	643030	1294290	2469491	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	60758 2026591	122453 2702399	320594	670728	1345155	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 1463411	188825 1968021	551825	686273	947995	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	192575 5406127	377154 6887850	950377	1911554	3643981	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	274778 7762634	556041 9640921	1381800	2772349	5287191	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	74139 2143053	143221 2826264	369542	743145	1464238	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	76557 2271690	152707 2968097	382742	774760	1506619	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	38142 1353309	78158 1799296	206619	418758	855172	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Atrazine	PHN	Ave	55648 2058972	117600 2697028	299364	623669	1252904	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Ave	+++++ 1170637	103142 1686817	392632	516227	771803	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	28638 928602	61341 1235584	159542	321758	623401	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	386609 9440156	749568 11314315	1871450	3655491	6932431	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	382391 9227300	779732 11340336	1903232	3771249	7080090	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	352693 9336789	706914 11553864	1767972	3501779	6632523	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	400237 9992915	837255 +++++	2126215	4277805	7772470	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Fluoranthene	PHN	Ave	399113 10279456	803515 12067640	1993220	3999743	7507480	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Lin	41607 3259070	100826 3842419	463347	1064727	1730950	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	401952 10509485	802466 12219314	2004954	4071865	7673165	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	37890 2245036	61889 2626740	277336	629669	1542519	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	130914 4831479	281193 6260043	754339	1618543	3286172	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	85160 2808311	173508 3336924	480591	990143	2005055	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	358882 9898825	705156 12358316	1774135	3583318	6931146	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	338315 8921659	686689 10933537	1715899	3416993	6375623	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	135127 5334978	285296 6959389	769095	1711216	3616547	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Qua	129079 5921670	280961 7642687	811188	1825258	4009469	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	255256 6131439	545097 6915437	1418463	2728100	4895901	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53666

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2011 08:26 Calibration End Date: 08/04/2011 11:41 Calibration ID: 11716

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	271239 6492719	570881 7324484	1428581	2933629	5131423	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	208425 4456012	442846 4969180	1126446	2198800	3758958	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	124804 2541920	277109 3590249	659252	1112939	1753308	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	115767 2477896	251073 3483116	635795	1101924	1752293	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Ave	126353 2585972	258850 +++++	599147	984540	1670145	2.00 60.0	4.00 +++++	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	89751 2673196	179615 3528496	456769	916538	1783911	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	123814 3566752	253193 4709384	621446	1237242	2425834	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	120071 3474615	235628 4615332	593704	1183174	2303679	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	250729 6814984	502195 8666138	1256241	2472213	4694355	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	76704 1023993	159376 1389440	424864	517672	680909	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	258500 7428075	530912 9583908	1329377	2619216	5153537	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24643.D
Lab Smp Id: ICIS-648163 Client Smp ID: ICIS-648163
Inj Date : 04-AUG-2011 08:26
Operator : S.Jonas Inst ID: msc.i
Smp Info : ICIS-648163
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 08:15 msc.i Quant Type: ISTD
Cal Date : 04-AUG-2011 08:26 Cal File: C24643.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	881853	20.0000	
$ 2	2-Fluorophenol	112	3.264	3.264	(0.694)	1783911	40.0000	46
$ 3	Phenol-d5	99	4.404	4.404	(0.936)	2425834	40.0000	46
4	Pyridine	52	1.490	1.490	(0.317)	699585	40.0000	48
5	N-Nitrosodimethylamine	42	1.484	1.484	(0.315)	532923	40.0000	48
6	Cyclohexanone	42	3.466	3.466	(0.736)	1388056	40.0000	46
128	Benzaldehyde	77	4.220	4.220	(0.897)	461670	40.0000	76
7	Phenol	94	4.416	4.416	(0.938)	2589345	40.0000	45
8	Aniline	93	4.363	4.363	(0.927)	2928764	40.0000	47
9	bis(2-Chloroethyl)ether	63	4.463	4.463	(0.948)	1833773	40.0000	46
10	2-Chlorophenol	128	4.487	4.487	(0.953)	2258340	40.0000	46
11	1,3-Dichlorobenzene	146	4.641	4.641	(0.986)	2490663	40.0000	45
12	1,4-Dichlorobenzene	146	4.725	4.725	(1.004)	2563466	40.0000	46
13	Benzyl alcohol	108	4.897	4.897	(1.040)	1433987	40.0000	47
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.038)	2415060	40.0000	46
15	2,2'-oxybis(1-Chloropropane)	45	5.039	5.039	(1.071)	4107835	40.0000	46
16	2-Methylphenol	108	5.051	5.051	(1.073)	1987448	40.0000	46
92	Acetophenone	105	5.164	5.164	(1.097)	2717605	40.0000	45
17	Hexachloroethane	117	5.241	5.241	(1.113)	1083918	40.0000	47
18	N-Nitroso-di-n-propylamine	70	5.188	5.188	(1.102)	1628776	40.0000	46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.217	5.217	(1.108)	2125344	40.0000	46
*	20 Naphthalene-d8	136	6.066	6.066	(1.000)	3584384	20.0000	
$	21 Nitrobenzene-d5	82	5.312	5.312	(0.876)	2303679	40.0000	47
	22 Nitrobenzene	77	5.336	5.336	(0.880)	2353187	40.0000	47
	23 Isophorone	82	5.603	5.603	(0.924)	4241802	40.0000	47
	24 2-Nitrophenol	139	5.674	5.674	(0.935)	1327481	40.0000	47
	25 2,4-Dimethylphenol	122	5.769	5.769	(0.951)	2034950	40.0000	48
	26 Benzoic Acid	122	5.953	5.953	(0.981)	1054621	40.0000	69(M)
	27 Bis(2-Chloroethoxy)methane	93	5.858	5.858	(0.966)	2654946	40.0000	47
	28 2,4-Dichlorophenol	162	5.947	5.947	(0.980)	1950683	40.0000	47
	29 1,2,4-Trichlorobenzene	180	6.018	6.018	(0.992)	2122285	40.0000	47
	30 Naphthalene	128	6.090	6.090	(1.004)	6377569	40.0000	47
	31 4-Chloroaniline	127	6.173	6.173	(1.018)	2788772	40.0000	49
	32 Hexachlorobutadiene	225	6.244	6.244	(1.029)	1252283	40.0000	47
	129 Caprolactam	113	6.588	6.588	(1.086)	620298	40.0000	49(M)
	33 4-Chloro-3-methylphenol	107	6.725	6.725	(1.109)	1987709	40.0000	48
	34 2-Methylnaphthalene	142	6.826	6.826	(1.125)	4459863	40.0000	47
*	35 Acenaphthene-d10	164	7.924	7.924	(1.000)	2213920	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.790	6.790	(1.443)	1879266	40.0000	46
	37 Hexachlorocyclopentadiene	237	7.010	7.010	(0.885)	1359808	40.0000	56
	38 2,4,6-Trichlorophenol	196	7.146	7.146	(0.902)	1431904	40.0000	48
	39 2,4,5-Trichlorophenol	196	7.188	7.188	(0.907)	1490048	40.0000	48
$	40 2-Fluorobiphenyl	172	7.229	7.229	(0.912)	4694355	40.0000	47
	130 1,1'-Biphenyl	154	7.330	7.330	(0.925)	5194856	40.0000	47
	41 2-Chloronaphthalene	162	7.342	7.342	(0.927)	4167717	40.0000	46
	42 2-Nitroaniline	65	7.461	7.461	(0.942)	1432366	40.0000	48
	43 Acenaphthylene	152	7.769	7.769	(0.981)	6950390	40.0000	48
	44 Dimethylphthalate	163	7.674	7.674	(0.969)	4773303	40.0000	47
	45 2,6-Dinitrotoluene	165	7.728	7.728	(0.975)	1181289	40.0000	48
	46 Acenaphthene	153	7.959	7.959	(1.004)	4352380	40.0000	46
	47 3-Nitroaniline	138	7.900	7.900	(0.997)	1366193	40.0000	50
	48 2,4-Dinitrophenol	184	8.013	8.013	(1.011)	714449	40.0000	55
	49 Dibenzofuran	168	8.143	8.143	(1.028)	6092465	40.0000	47
	50 2,4-Dinitrotoluene	165	8.155	8.155	(1.029)	1600138	40.0000	48
	51 4-Nitrophenol	109	8.120	8.120	(1.025)	599289	40.0000	49
	52 Fluorene	166	8.499	8.499	(1.073)	5057582	40.0000	47
	53 4-Chlorophenyl-phenylether	204	8.511	8.511	(1.074)	2469491	40.0000	47
	54 Diethylphthalate	149	8.422	8.422	(1.063)	4938609	40.0000	47
	55 4-Nitroaniline	138	8.553	8.553	(1.079)	1345155	40.0000	49
$	56 2,4,6-Tribromophenol	330	8.761	8.761	(1.106)	680909	40.0000	48
*	57 Phenanthrene-d10	188	9.485	9.485	(1.000)	3760207	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.588	8.588	(0.906)	947995	40.0000	49
	59 N-Nitrosodiphenylamine (1)	169	8.648	8.648	(0.912)	3643981	40.0000	47
	60 1,2-Diphenylhydrazine	77	8.683	8.683	(0.916)	5287191	40.0000	47
	61 4-Bromophenyl-phenylether	248	9.028	9.028	(0.952)	1464238	40.0000	48
	131 Atrazine	200	9.235	9.235	(0.974)	1252904	40.0000	48
	62 Hexachlorobenzene	284	9.093	9.093	(0.959)	1506619	40.0000	47
	63 Pentachlorophenol	266	9.307	9.307	(0.981)	771803	40.0000	53
	64 Phenanthrene	178	9.514	9.514	(1.003)	6932431	40.0000	47
	65 Carbazole	167	9.746	9.746	(1.028)	6632523	40.0000	47
	66 Anthracene	178	9.568	9.568	(1.009)	7080090	40.0000	47
	67 Di-n-butylphthalate	149	10.138	10.138	(1.069)	7772470	40.0000	46
	68 Fluoranthene	202	10.767	10.767	(1.135)	7507480	40.0000	47
*	70 Chrysene-d12	240	12.334	12.334	(1.000)	3551829	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.909	10.909	(0.885)	1730950	40.0000	40
72	Pyrene	202	10.998	10.998	(0.892)	7673165	40.0000	48
$ 73	Terphenyl-d14	244	11.176	11.176	(0.906)	5153537	40.0000	47
74	Butylbenzylphthalate	149	11.704	11.704	(0.949)	3286172	40.0000	50
124	3,3'-Dimethylbenzidine	212	11.681	11.681	(0.947)	1542519	40.0000	62
75	3,3'-Dichlorobenzidine	252	12.298	12.298	(0.997)	2005055	40.0000	51
76	Benzo(a)anthracene	228	12.316	12.316	(0.999)	6931146	40.0000	47
77	Chrysene	228	12.369	12.369	(1.003)	6375623	40.0000	46
78	Bis(2-Ethylhexyl)phthalate	149	12.381	12.381	(1.004)	3616547	40.0000	52
* 79	Perylene-d12	264	14.435	14.435	(1.000)	2083508	20.0000	
80	Di-n-octylphthalate	149	13.260	13.260	(0.919)	4009469	40.0000	43
81	Benzo(b)fluoranthene	252	13.817	13.817	(0.957)	4895901	40.0000	50
82	Benzo(k)fluoranthene	252	13.865	13.865	(0.961)	5131423	40.0000	50
83	Benzo(a)pyrene	252	14.340	14.340	(0.993)	3758958	40.0000	49
84	Indeno(1,2,3-cd)pyrene	276	16.382	16.382	(1.135)	1753308	40.0000	40
85	Dibenzo(a,h)anthracene	278	16.429	16.429	(1.138)	1752293	40.0000	41
86	Benzo(g,h,i)perylene	276	16.898	16.898	(1.171)	1670145	40.0000	42
167	Simazine	201	9.206	9.206	(0.971)	855172	40.0000	48
103	1,2,4,5-Tetrachlorobenzene	216	7.010	7.010	(0.885)	1051569	40.0000	50
109	2,3,4,6-Tetrachlorophenol	232	8.286	8.286	(1.046)	1162017	40.0000	53
119	Pentachloronitrobenzene	237	9.318	9.318	(0.982)	623401	40.0000	51

QC Flag Legend

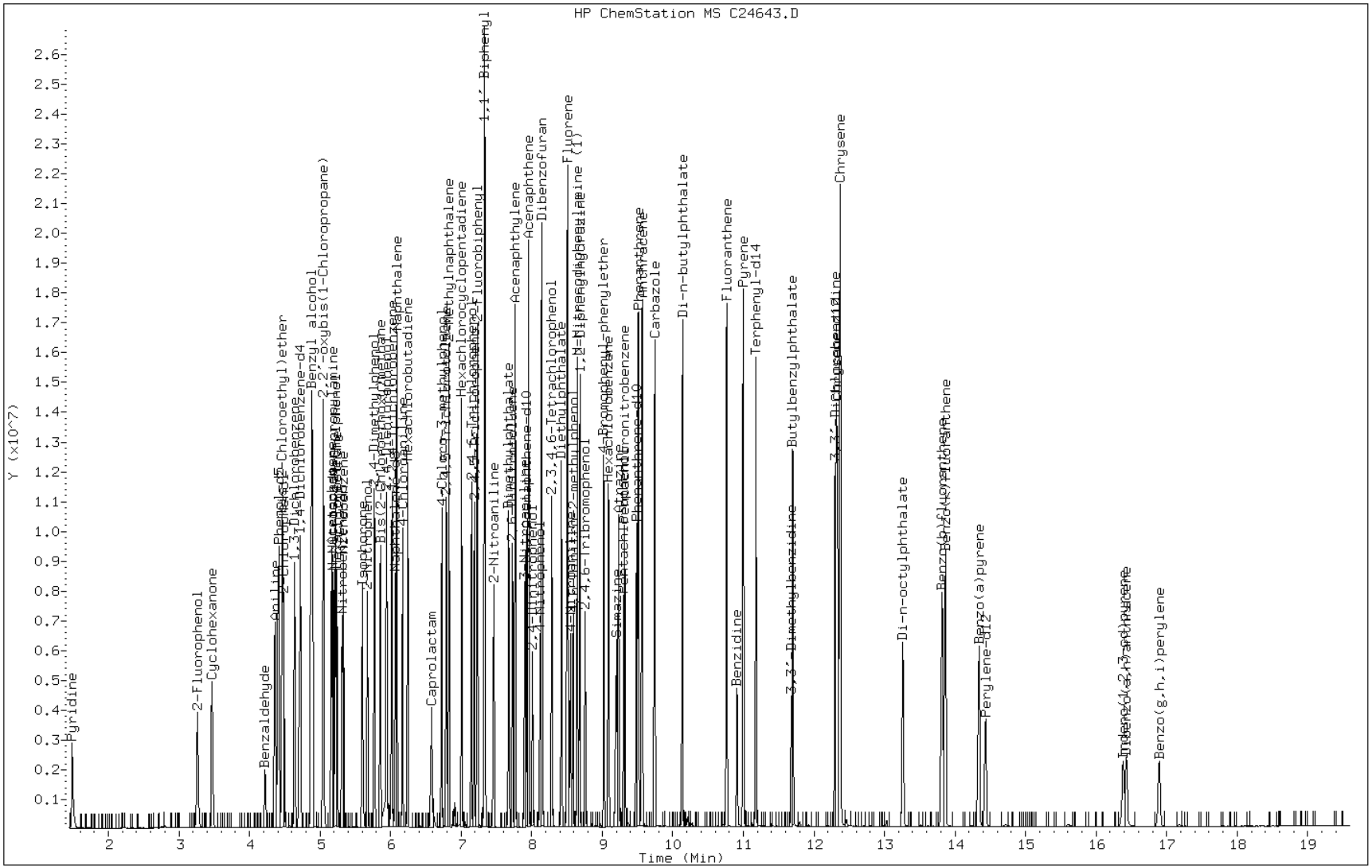
M - Compound response manually integrated.

Data File: C24643.D

Date: 04-AUG-2011 08:26

Client ID: ICIS-648163 Instrument: msc.i

Sample Info: ICIS-648163 Operator: S.Jonas



Manual Integration Report

Data File: C24643.D
Inj. Date and Time: 04-AUG-2011 08:26
Instrument ID: msc.i
Client ID: ICIS-648163
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/05/2011

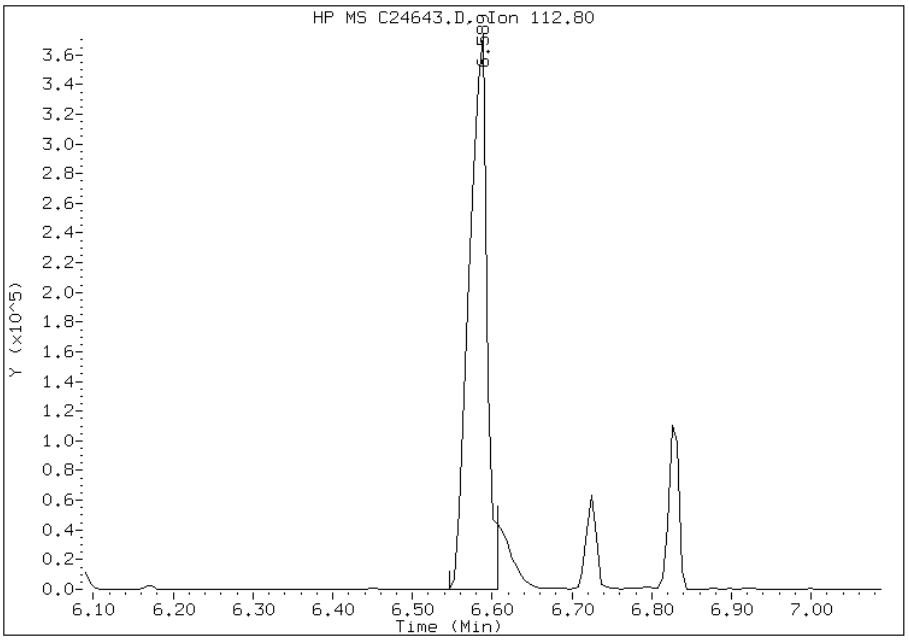
Processing Integration Results

RT: 6.59

Response: 578577

Amount: 40

Conc: 40



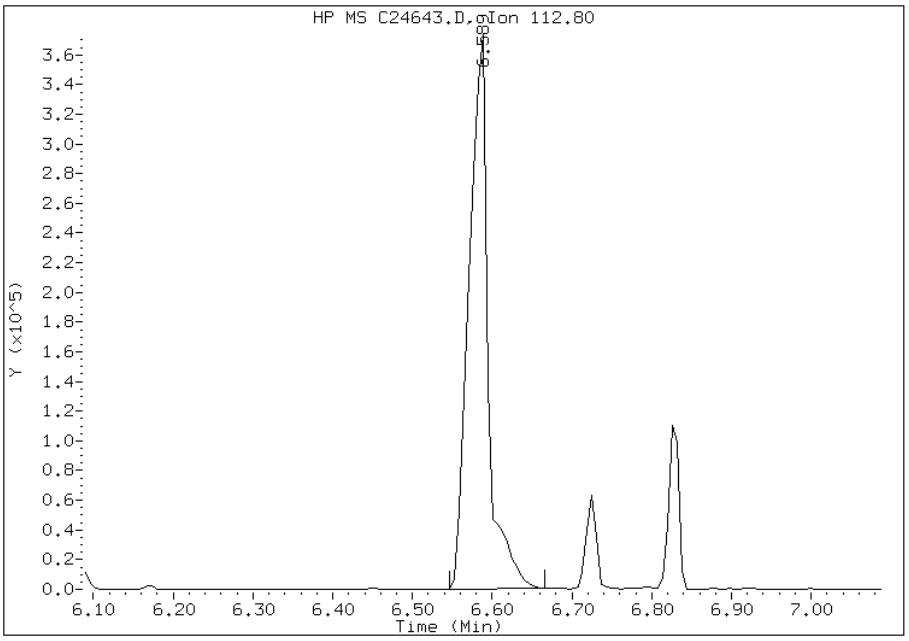
Manual Integration Results

RT: 6.59

Response: 620298

Amount: 49

Conc: 49



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24643.D
Inj. Date and Time: 04-AUG-2011 08:26
Instrument ID: msc.i
Client ID: ICIS-648163
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/05/2011

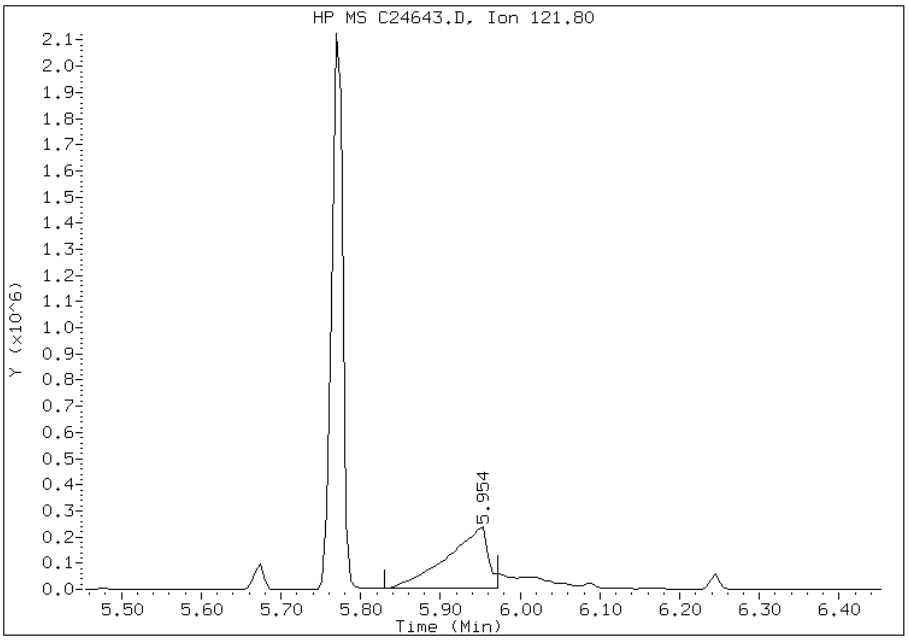
Processing Integration Results

RT: 5.95

Response: 849733

Amount: 40

Conc: 40



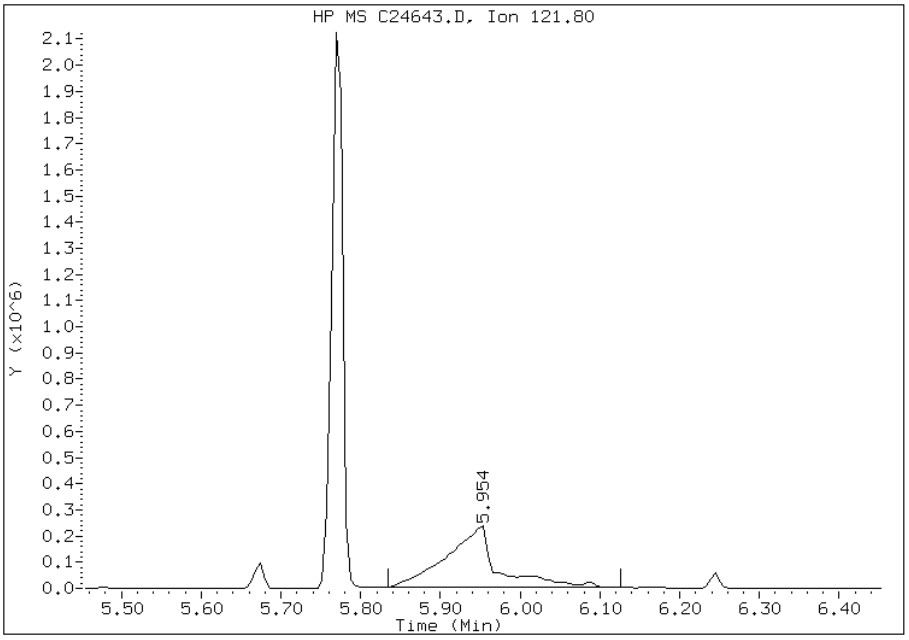
Manual Integration Results

RT: 5.95

Response: 1054621

Amount: 69

Conc: 69



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24644.D
Lab Smp Id: IC-649840 Client Smp ID: IC-649840
Inj Date : 04-AUG-2011 09:08
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649840;2/5
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 09:08 Cal File: C24644.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.701	4.701	(1.000)	1049440	20.0000	
$ 2	2-Fluorophenol	112	3.259	3.259	(0.693)	89751	2.00000	2
$ 3	Phenol-d5	99	4.386	4.386	(0.933)	123814	2.00000	2
5	N-Nitrosodimethylamine	42	1.496	1.496	(0.318)	26166	2.00000	2
6	Cyclohexanone	42	3.472	3.472	(0.739)	73565	2.00000	2
128	Benzaldehyde	77	4.226	4.226	(0.899)	6576	2.00000	0.9
7	Phenol	94	4.398	4.398	(0.936)	138366	2.00000	2
8	Aniline	93	4.357	4.357	(0.927)	132849	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.452	4.452	(0.947)	95791	2.00000	2
10	2-Chlorophenol	128	4.481	4.481	(0.953)	116966	2.00000	2
11	1,3-Dichlorobenzene	146	4.636	4.636	(0.986)	130397	2.00000	2
12	1,4-Dichlorobenzene	146	4.719	4.719	(1.004)	131181	2.00000	2
13	Benzyl alcohol	108	4.885	4.885	(1.039)	68191	2.00000	2
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.039)	126130	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.039	5.039	(1.072)	216564	2.00000	2
16	2-Methylphenol	108	5.039	5.039	(1.072)	100630	2.00000	2
92	Acetophenone	105	5.152	5.152	(1.096)	140638	2.00000	2
17	Hexachloroethane	117	5.241	5.241	(1.115)	53753	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.176	5.176	(1.101)	82467	2.00000	2
19	4-Methylphenol	108	5.205	5.205	(1.107)	107958	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	20 Naphthalene-d8	136	6.060	6.060	(1.000)	4362205	20.0000	
$	21 Nitrobenzene-d5	82	5.306	5.306	(0.876)	120071	2.00000	2
	22 Nitrobenzene	77	5.324	5.324	(0.879)	119054	2.00000	2
	23 Isophorone	82	5.585	5.585	(0.922)	216935	2.00000	2
	24 2-Nitrophenol	139	5.668	5.668	(0.935)	67159	2.00000	2
	25 2,4-Dimethylphenol	122	5.763	5.763	(0.951)	100850	2.00000	2
	26 Benzoic Acid	122	5.864	5.864	(0.968)	12612	5.00000	9(M)
	27 Bis(2-Chloroethoxy)methane	93	5.846	5.846	(0.965)	136748	2.00000	2
	28 2,4-Dichlorophenol	162	5.935	5.935	(0.979)	99167	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.013	6.013	(0.992)	107838	2.00000	2
	30 Naphthalene	128	6.084	6.084	(1.004)	353102	2.00000	2
	31 4-Chloroaniline	127	6.167	6.167	(1.018)	115642	2.00000	2
	32 Hexachlorobutadiene	225	6.244	6.244	(1.030)	65142	2.00000	2
	129 Caprolactam	113	6.493	6.493	(1.071)	25981	2.00000	2
	33 4-Chloro-3-methylphenol	107	6.713	6.713	(1.108)	96197	2.00000	2
	34 2-Methylnaphthalene	142	6.820	6.820	(1.125)	236439	2.00000	2
*	35 Acenaphthene-d10	164	7.918	7.918	(1.000)	2694525	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.790	6.790	(1.444)	95507	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.004	7.004	(0.885)	36494	2.00000	2
	38 2,4,6-Trichlorophenol	196	7.140	7.140	(0.902)	69337	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.176	7.176	(0.906)	170623	5.00000	5
$	40 2-Fluorobiphenyl	172	7.223	7.223	(0.912)	250729	2.00000	2
	130 1,1'-Biphenyl	154	7.324	7.324	(0.925)	286065	2.00000	2
	41 2-Chloronaphthalene	162	7.330	7.330	(0.926)	231221	2.00000	2
	42 2-Nitroaniline	65	7.455	7.455	(0.942)	68488	2.00000	2
	43 Acenaphthylene	152	7.763	7.763	(0.981)	379490	2.00000	2
	44 Dimethylphthalate	163	7.663	7.663	(0.968)	246537	2.00000	2
	45 2,6-Dinitrotoluene	165	7.716	7.716	(0.975)	55870	2.00000	2
	46 Acenaphthene	153	7.953	7.953	(1.004)	235370	2.00000	2
	47 3-Nitroaniline	138	7.888	7.888	(0.996)	57239	2.00000	2
	49 Dibenzofuran	168	8.137	8.137	(1.028)	337415	2.00000	2
	50 2,4-Dinitrotoluene	165	8.137	8.137	(1.028)	78500	2.00000	2
	51 4-Nitrophenol	109	8.102	8.102	(1.023)	57226	5.00000	4
	52 Fluorene	166	8.494	8.494	(1.073)	268606	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.511	8.511	(1.075)	130857	2.00000	2
	54 Diethylphthalate	149	8.410	8.410	(1.062)	254879	2.00000	2
	55 4-Nitroaniline	138	8.523	8.523	(1.076)	60758	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.755	8.755	(1.106)	76704	5.00000	4
*	57 Phenanthrene-d10	188	9.485	9.485	(1.000)	4508049	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.571	8.571	(0.904)	77384	5.00000	6
	59 N-Nitrosodiphenylamine (1)	169	8.636	8.636	(0.911)	192575	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.672	8.672	(0.914)	274778	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.022	9.022	(0.951)	74139	2.00000	2
	131 Atrazine	200	9.212	9.212	(0.971)	55648	2.00000	2
	62 Hexachlorobenzene	284	9.081	9.081	(0.957)	76557	2.00000	2
	63 Pentachlorophenol	266	9.301	9.301	(0.981)	28918	5.00000	7
	64 Phenanthrene	178	9.503	9.503	(1.002)	386609	2.00000	2
	65 Carbazole	167	9.734	9.734	(1.026)	352693	2.00000	2
	66 Anthracene	178	9.556	9.556	(1.008)	382391	2.00000	2
	67 Di-n-butylphthalate	149	10.132	10.132	(1.068)	400237	2.00000	5
	68 Fluoranthene	202	10.755	10.755	(1.134)	399113	2.00000	2
*	70 Chrysene-d12	240	12.328	12.328	(1.000)	4195820	20.0000	
	72 Pyrene	202	10.992	10.992	(0.892)	401952	2.00000	2
$	73 Terphenyl-d14	244	11.170	11.170	(0.906)	258500	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
74	Butylbenzylphthalate	149	11.699	11.699	(0.949)	130914	2.00000	2
75	3,3'-Dichlorobenzidine	252	12.292	12.292	(0.997)	85160	2.00000	2
76	Benzo(a)anthracene	228	12.310	12.310	(0.999)	358882	2.00000	2
77	Chrysene	228	12.357	12.357	(1.002)	338315	2.00000	2
78	Bis(2-Ethylhexyl)phthalate	149	12.375	12.375	(1.004)	135127	2.00000	2
* 79	Perylene-d12	264	14.441	14.441	(1.000)	3073120	20.0000	
80	Di-n-octylphthalate	149	13.260	13.260	(0.918)	129079	2.00000	6
81	Benzo(b)fluoranthene	252	13.806	13.806	(0.956)	255256	2.00000	2
82	Benzo(k)fluoranthene	252	13.847	13.847	(0.959)	271239	2.00000	2
83	Benzo(a)pyrene	252	14.328	14.328	(0.992)	208425	2.00000	2
84	Indeno(1,2,3-cd)pyrene	276	16.376	16.376	(1.134)	124804	2.00000	2
85	Dibenzo(a,h)anthracene	278	16.423	16.423	(1.137)	115767	2.00000	2
86	Benzo(g,h,i)perylene	276	16.886	16.886	(1.169)	126353	2.00000	2
167	Simazine	201	9.176	9.176	(0.967)	38142	2.00000	3(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.010	7.010	(0.885)	53425	2.00000	2
109	2,3,4,6-Tetrachlorophenol	232	8.280	8.280	(1.046)	46320	2.00000	3
119	Pentachloronitrobenzene	237	9.313	9.313	(0.982)	28638	2.00000	2

QC Flag Legend

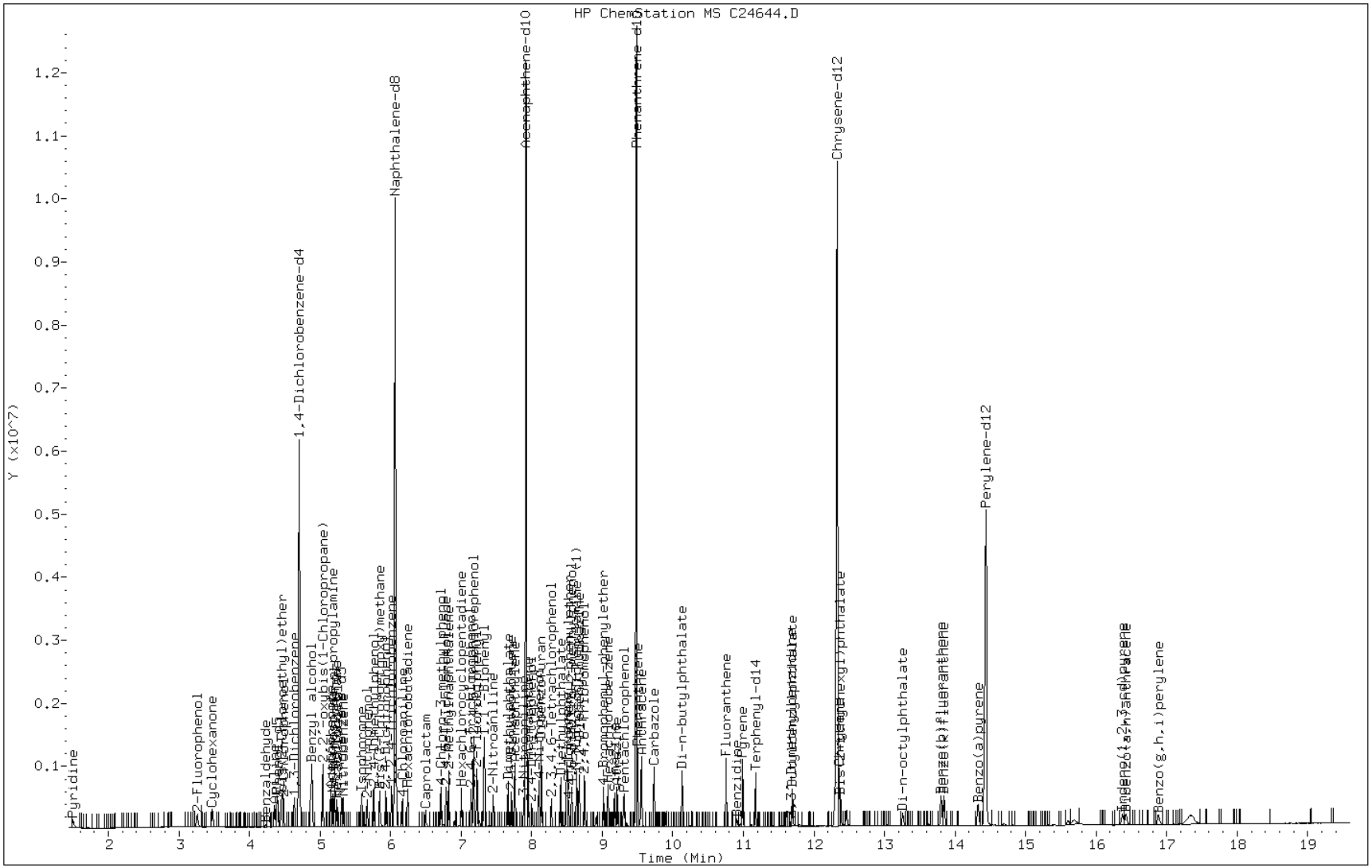
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24644.D

Date: 04-AUG-2011 09:08

Client ID: IC-649840 Instrument: msc.i

Sample Info: IC-649840;2/5 Operator: S.Jonas



Manual Integration Report

Data File: C24644.D
Inj. Date and Time: 04-AUG-2011 09:08
Instrument ID: msc.i
Client ID: IC-649840
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/05/2011

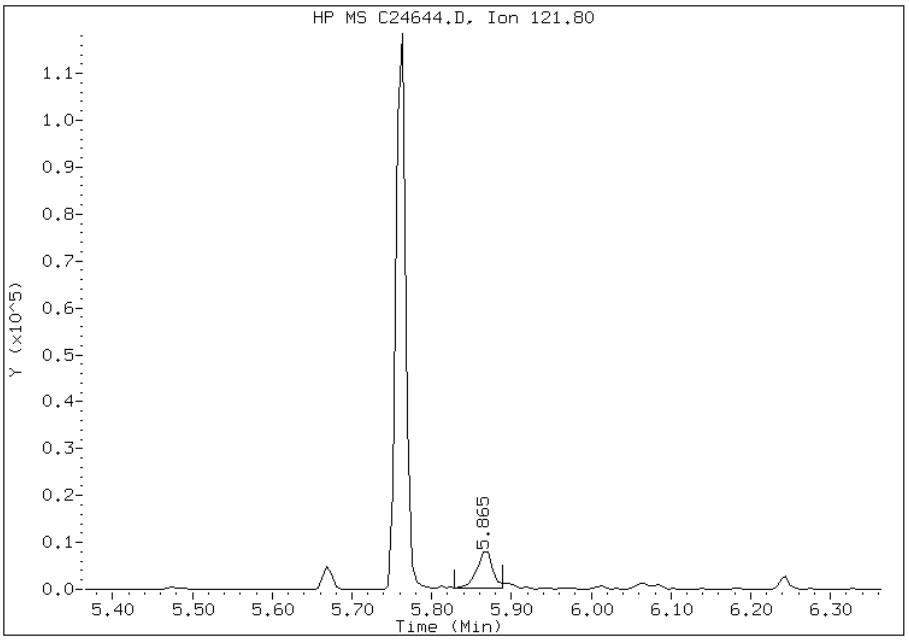
Processing Integration Results

RT: 5.86

Response: 10635

Amount: 5

Conc: 5



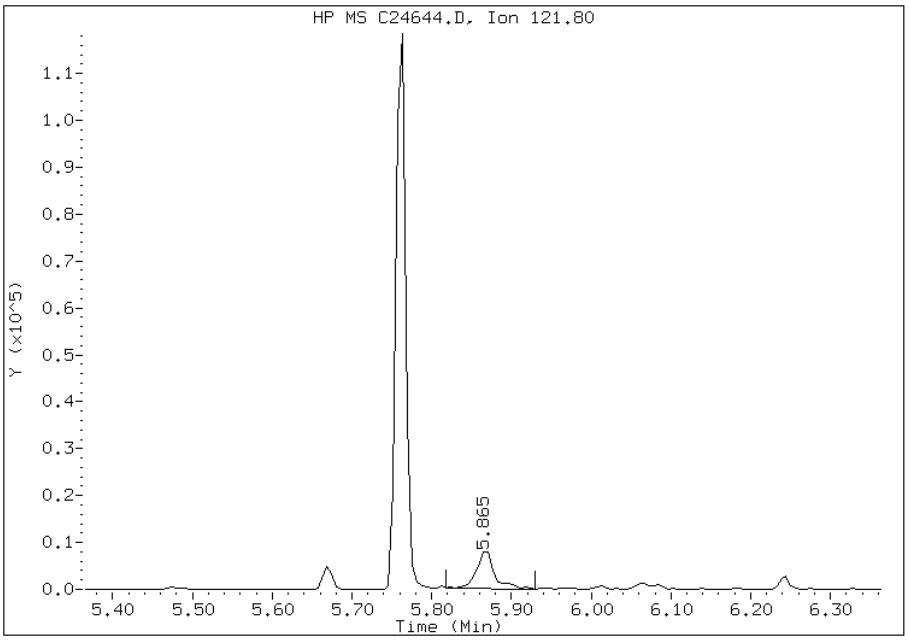
Manual Integration Results

RT: 5.86

Response: 12612

Amount: 9

Conc: 9



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24645.D
Lab Smp Id: IC-649841 Client Smp ID: IC-649841
Inj Date : 04-AUG-2011 09:39
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649841;4/10
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 09:39 Cal File: C24645.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.701	4.701	(1.000)	1045296	20.0000	
$ 2	2-Fluorophenol	112	3.258	3.258	(0.693)	179615	4.00000	4
$ 3	Phenol-d5	99	4.386	4.386	(0.933)	253193	4.00000	4
4	Pyridine	52	1.496	1.496	(0.318)	67260	4.00000	4
5	N-Nitrosodimethylamine	42	1.490	1.490	(0.317)	53538	4.00000	4
6	Cyclohexanone	42	3.472	3.472	(0.739)	146506	4.00000	4
128	Benzaldehyde	77	4.226	4.226	(0.899)	12992	4.00000	2
7	Phenol	94	4.398	4.398	(0.936)	270822	4.00000	4
8	Aniline	93	4.356	4.356	(0.927)	288874	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.451	4.451	(0.947)	186822	4.00000	4
10	2-Chlorophenol	128	4.481	4.481	(0.953)	231085	4.00000	4
11	1,3-Dichlorobenzene	146	4.635	4.635	(0.986)	259849	4.00000	4
12	1,4-Dichlorobenzene	146	4.718	4.718	(1.004)	265729	4.00000	4
13	Benzyl alcohol	108	4.885	4.885	(1.039)	140244	4.00000	4
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.039)	256406	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.039	5.039	(1.072)	433207	4.00000	4
16	2-Methylphenol	108	5.039	5.039	(1.072)	211199	4.00000	4
92	Acetophenone	105	5.152	5.152	(1.096)	284746	4.00000	4
17	Hexachloroethane	117	5.241	5.241	(1.115)	108194	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.175	5.175	(1.101)	165754	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.205	5.205	(1.107)	220044	4.00000	4
*	20 Naphthalene-d8	136	6.060	6.060	(1.000)	4341764	20.0000	
$	21 Nitrobenzene-d5	82	5.306	5.306	(0.876)	235628	4.00000	4
	22 Nitrobenzene	77	5.324	5.324	(0.879)	239234	4.00000	4
	23 Isophorone	82	5.585	5.585	(0.922)	430991	4.00000	4
	24 2-Nitrophenol	139	5.668	5.668	(0.935)	134654	4.00000	4
	25 2,4-Dimethylphenol	122	5.763	5.763	(0.951)	205143	4.00000	4
	26 Benzoic Acid	122	5.888	5.888	(0.972)	46186	10.0000	11(M)
	27 Bis(2-Chloroethoxy)methane	93	5.846	5.846	(0.965)	276830	4.00000	4
	28 2,4-Dichlorophenol	162	5.935	5.935	(0.979)	197224	4.00000	4
	29 1,2,4-Trichlorobenzene	180	6.012	6.012	(0.992)	217614	4.00000	4
	30 Naphthalene	128	6.084	6.084	(1.004)	699556	4.00000	4
	31 4-Chloroaniline	127	6.167	6.167	(1.018)	276716	4.00000	4
	32 Hexachlorobutadiene	225	6.244	6.244	(1.030)	128619	4.00000	4
	129 Caprolactam	113	6.505	6.505	(1.073)	53117	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.713	6.713	(1.108)	197070	4.00000	4
	34 2-Methylnaphthalene	142	6.820	6.820	(1.125)	476658	4.00000	4
*	35 Acenaphthene-d10	164	7.918	7.918	(1.000)	2655589	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.790	6.790	(1.444)	194973	4.00000	4
	37 Hexachlorocyclopentadiene	237	7.004	7.004	(0.885)	88525	4.00000	4
	38 2,4,6-Trichlorophenol	196	7.140	7.140	(0.902)	141483	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.176	7.176	(0.906)	363486	10.0000	10
$	40 2-Fluorobiphenyl	172	7.223	7.223	(0.912)	502195	4.00000	4
	130 1,1'-Biphenyl	154	7.324	7.324	(0.925)	577489	4.00000	4
	41 2-Chloronaphthalene	162	7.330	7.330	(0.926)	453532	4.00000	4
	42 2-Nitroaniline	65	7.455	7.455	(0.942)	138249	4.00000	4
	43 Acenaphthylene	152	7.763	7.763	(0.981)	746987	4.00000	4
	44 Dimethylphthalate	163	7.662	7.662	(0.968)	493143	4.00000	4
	45 2,6-Dinitrotoluene	165	7.716	7.716	(0.975)	114106	4.00000	4
	46 Acenaphthene	153	7.953	7.953	(1.004)	478207	4.00000	4
	47 3-Nitroaniline	138	7.888	7.888	(0.996)	125177	4.00000	4
	48 2,4-Dinitrophenol	184	8.001	8.001	(1.010)	113675	10.0000	10
	49 Dibenzofuran	168	8.131	8.131	(1.027)	667272	4.00000	4
	50 2,4-Dinitrotoluene	165	8.137	8.137	(1.028)	156194	4.00000	4
	51 4-Nitrophenol	109	8.102	8.102	(1.023)	127151	10.0000	9
	52 Fluorene	166	8.493	8.493	(1.073)	538464	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.505	8.505	(1.074)	262171	4.00000	4
	54 Diethylphthalate	149	8.410	8.410	(1.062)	513758	4.00000	4
	55 4-Nitroaniline	138	8.529	8.529	(1.077)	122453	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.749	8.749	(1.105)	159376	10.0000	9
*	57 Phenanthrene-d10	188	9.479	9.479	(1.000)	4420913	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.570	8.570	(0.904)	188825	10.0000	10
	59 N-Nitrosodiphenylamine (1)	169	8.636	8.636	(0.911)	377154	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.671	8.671	(0.915)	556041	4.00000	4
	61 4-Bromophenyl-phenylether	248	9.016	9.016	(0.951)	143221	4.00000	4
	131 Atrazine	200	9.217	9.217	(0.972)	117600	4.00000	4
	62 Hexachlorobenzene	284	9.081	9.081	(0.958)	152707	4.00000	4
	63 Pentachlorophenol	266	9.295	9.295	(0.981)	103142	10.0000	10
	64 Phenanthrene	178	9.502	9.502	(1.002)	749568	4.00000	4
	65 Carbazole	167	9.734	9.734	(1.027)	706914	4.00000	4
	66 Anthracene	178	9.556	9.556	(1.008)	779732	4.00000	4
	67 Di-n-butylphthalate	149	10.131	10.131	(1.069)	837255	4.00000	5
	68 Fluoranthene	202	10.755	10.755	(1.135)	803515	4.00000	4
*	70 Chrysene-d12	240	12.328	12.328	(1.000)	4199957	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	10.992	10.992	(0.892)	802466	4.00000	4
$ 73	Terphenyl-d14	244	11.170	11.170	(0.906)	530912	4.00000	4
74	Butylbenzylphthalate	149	11.698	11.698	(0.949)	281193	4.00000	4
75	3,3'-Dichlorobenzidine	252	12.292	12.292	(0.997)	173508	4.00000	4
76	Benzo(a)anthracene	228	12.310	12.310	(0.999)	705156	4.00000	4
77	Chrysene	228	12.357	12.357	(1.002)	686689	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.375	12.375	(1.004)	285296	4.00000	3
* 79	Perylene-d12	264	14.435	14.435	(1.000)	3186785	20.0000	
80	Di-n-octylphthalate	149	13.259	13.259	(0.919)	280961	4.00000	7
81	Benzo(b)fluoranthene	252	13.805	13.805	(0.956)	545097	4.00000	4
82	Benzo(k)fluoranthene	252	13.847	13.847	(0.959)	570881	4.00000	4
83	Benzo(a)pyrene	252	14.328	14.328	(0.993)	442846	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	16.369	16.369	(1.134)	277109	4.00000	4
85	Dibenzo(a,h)anthracene	278	16.423	16.423	(1.138)	251073	4.00000	4
86	Benzo(g,h,i)perylene	276	16.886	16.886	(1.170)	258850	4.00000	4
167	Simazine	201	9.176	9.176	(0.968)	78158	4.00000	5(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.004	7.004	(0.885)	105413	5.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.280	8.280	(1.046)	97386	5.00000	5
119	Pentachloronitrobenzene	237	9.312	9.312	(0.982)	61341	5.00000	4

QC Flag Legend

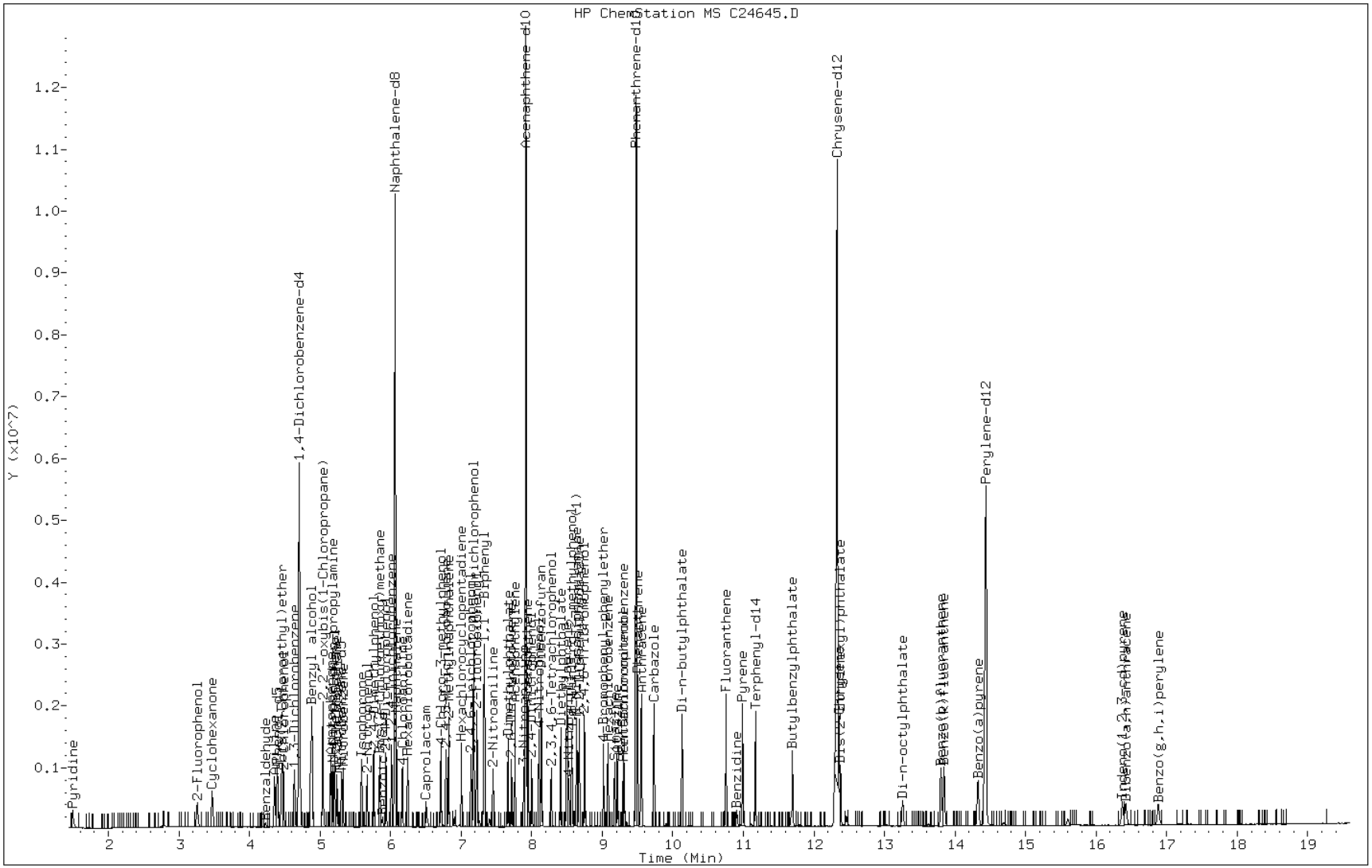
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24645.D

Date: 04-AUG-2011 09:39

Client ID: IC-649841 Instrument: msc.i

Sample Info: IC-649841;4/10 Operator: S.Jonas



Manual Integration Report

Data File: C24645.D
Inj. Date and Time: 04-AUG-2011 09:39
Instrument ID: msc.i
Client ID: IC-649841
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/05/2011

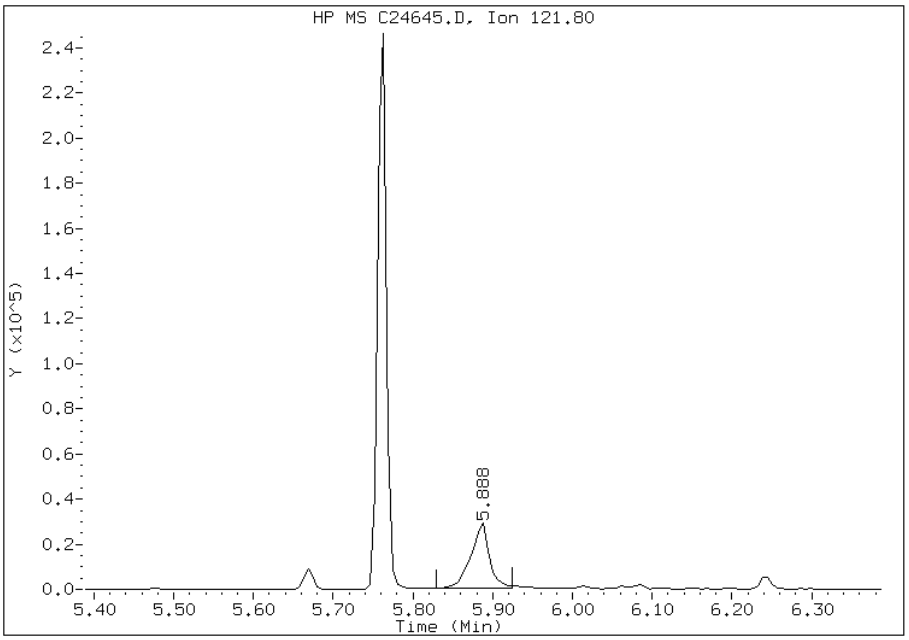
Processing Integration Results

RT: 5.89

Response: 46186

Amount: 10

Conc: 10



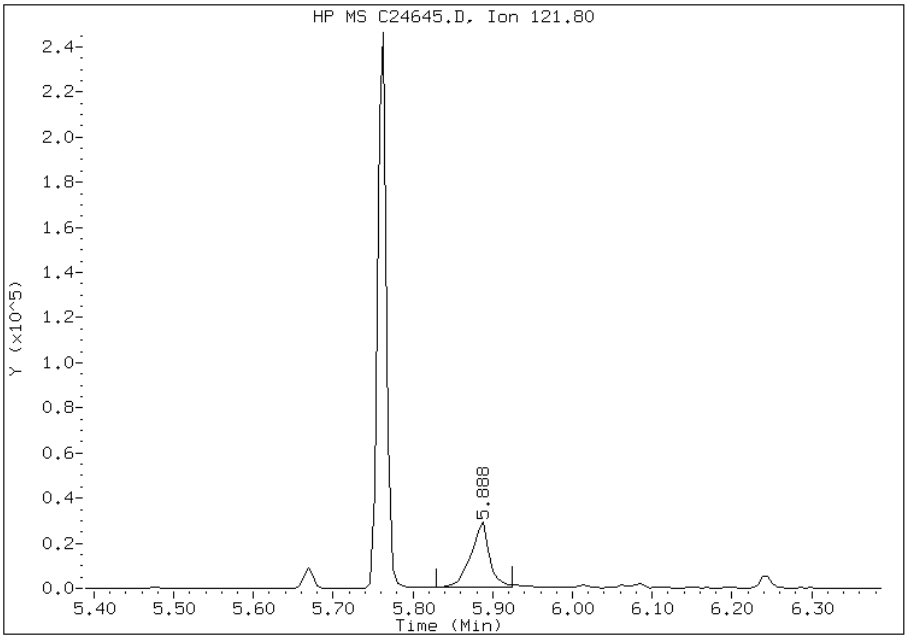
Manual Integration Results

RT: 5.89

Response: 46186

Amount: 11

Conc: 11



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24646.D
Lab Smp Id: IC-649843 Client Smp ID: IC-649843
Inj Date : 04-AUG-2011 10:09
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649843;10/25
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 10:09 Cal File: C24646.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	1083814	20.0000	
$ 2	2-Fluorophenol	112	3.258	3.258	(0.692)	456769	10.0000	10
$ 3	Phenol-d5	99	4.386	4.386	(0.932)	621446	10.0000	10
4	Pyridine	52	1.490	1.490	(0.317)	170039	10.0000	10
5	N-Nitrosodimethylamine	42	1.484	1.484	(0.315)	126864	10.0000	9
6	Cyclohexanone	42	3.466	3.466	(0.736)	362974	10.0000	10
128	Benzaldehyde	77	4.220	4.220	(0.897)	69257	10.0000	9
7	Phenol	94	4.404	4.404	(0.936)	685958	10.0000	10
8	Aniline	93	4.357	4.357	(0.926)	738960	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.451	4.451	(0.946)	474525	10.0000	10
10	2-Chlorophenol	128	4.481	4.481	(0.952)	584543	10.0000	10
11	1,3-Dichlorobenzene	146	4.635	4.635	(0.985)	648108	10.0000	10
12	1,4-Dichlorobenzene	146	4.719	4.719	(1.003)	674088	10.0000	10
13	Benzyl alcohol	108	4.885	4.885	(1.038)	360147	10.0000	10
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.038)	638943	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.039	5.039	(1.071)	1070585	10.0000	10
16	2-Methylphenol	108	5.039	5.039	(1.071)	522664	10.0000	10
92	Acetophenone	105	5.152	5.152	(1.095)	699332	10.0000	9
17	Hexachloroethane	117	5.241	5.241	(1.113)	276127	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.176	5.176	(1.100)	420979	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.205	5.205	(1.106)	547567	10.0000	10
*	20 Naphthalene-d8	136	6.066	6.066	(1.000)	4499586	20.0000	
$	21 Nitrobenzene-d5	82	5.306	5.306	(0.875)	593704	10.0000	10
	22 Nitrobenzene	77	5.324	5.324	(0.878)	596260	10.0000	10
	23 Isophorone	82	5.591	5.591	(0.922)	1091921	10.0000	10
	24 2-Nitrophenol	139	5.668	5.668	(0.934)	344370	10.0000	10
	25 2,4-Dimethylphenol	122	5.763	5.763	(0.950)	522688	10.0000	10
	26 Benzoic Acid	122	5.929	5.929	(0.977)	329320	25.0000	20
	27 Bis(2-Chloroethoxy)methane	93	5.846	5.846	(0.964)	695279	10.0000	10
	28 2,4-Dichlorophenol	162	5.935	5.935	(0.978)	501056	10.0000	10
	29 1,2,4-Trichlorobenzene	180	6.012	6.012	(0.991)	554426	10.0000	10
	30 Naphthalene	128	6.084	6.084	(1.003)	1749478	10.0000	10
	31 4-Chloroaniline	127	6.167	6.167	(1.017)	717762	10.0000	10
	32 Hexachlorobutadiene	225	6.244	6.244	(1.029)	328555	10.0000	10
	129 Caprolactam	113	6.529	6.529	(1.076)	143586	10.0000	10(M)
	33 4-Chloro-3-methylphenol	107	6.713	6.713	(1.107)	499132	10.0000	10
	34 2-Methylnaphthalene	142	6.826	6.826	(1.125)	1181541	10.0000	10
*	35 Acenaphthene-d10	164	7.918	7.918	(1.000)	2780718	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.790	6.790	(1.443)	491384	10.0000	10
	37 Hexachlorocyclopentadiene	237	7.004	7.004	(0.885)	285159	10.0000	9
	38 2,4,6-Trichlorophenol	196	7.140	7.140	(0.902)	360957	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.176	7.176	(0.906)	920252	25.0000	24
$	40 2-Fluorobiphenyl	172	7.223	7.223	(0.912)	1256241	10.0000	10
	130 1,1'-Biphenyl	154	7.324	7.324	(0.925)	1408523	10.0000	10
	41 2-Chloronaphthalene	162	7.330	7.330	(0.926)	1119161	10.0000	10
	42 2-Nitroaniline	65	7.455	7.455	(0.942)	356605	10.0000	10
	43 Acenaphthylene	152	7.763	7.763	(0.981)	1886374	10.0000	10
	44 Dimethylphthalate	163	7.668	7.668	(0.969)	1226541	10.0000	10
	45 2,6-Dinitrotoluene	165	7.722	7.722	(0.975)	294567	10.0000	10
	46 Acenaphthene	153	7.953	7.953	(1.004)	1173254	10.0000	10
	47 3-Nitroaniline	138	7.888	7.888	(0.996)	326105	10.0000	9
	48 2,4-Dinitrophenol	184	8.007	8.007	(1.011)	392209	25.0000	23
	49 Dibenzofuran	168	8.137	8.137	(1.028)	1664795	10.0000	10
	50 2,4-Dinitrotoluene	165	8.143	8.143	(1.028)	400698	10.0000	10
	51 4-Nitrophenol	109	8.108	8.108	(1.024)	341563	25.0000	23
	52 Fluorene	166	8.493	8.493	(1.073)	1342250	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.511	8.511	(1.075)	643030	10.0000	10
	54 Diethylphthalate	149	8.416	8.416	(1.063)	1279673	10.0000	10
	55 4-Nitroaniline	138	8.535	8.535	(1.078)	320594	10.0000	9
$	56 2,4,6-Tribromophenol	330	8.755	8.755	(1.106)	424864	25.0000	24
*	57 Phenanthrene-d10	188	9.485	9.485	(1.000)	4668775	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.577	8.577	(0.904)	551825	25.0000	23
	59 N-Nitrosodiphenylamine (1)	169	8.636	8.636	(0.911)	950377	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.677	8.677	(0.915)	1381800	10.0000	10
	61 4-Bromophenyl-phenylether	248	9.022	9.022	(0.951)	369542	10.0000	10
	131 Atrazine	200	9.218	9.218	(0.972)	299364	10.0000	9
	62 Hexachlorobenzene	284	9.081	9.081	(0.957)	382742	10.0000	10
	63 Pentachlorophenol	266	9.301	9.301	(0.981)	392632	25.0000	22
	64 Phenanthrene	178	9.502	9.502	(1.002)	1871450	10.0000	10
	65 Carbazole	167	9.734	9.734	(1.026)	1767972	10.0000	10
	66 Anthracene	178	9.556	9.556	(1.008)	1903232	10.0000	10
	67 Di-n-butylphthalate	149	10.132	10.132	(1.068)	2126215	10.0000	7
	68 Fluoranthene	202	10.755	10.755	(1.134)	1993220	10.0000	10
*	70 Chrysene-d12	240	12.328	12.328	(1.000)	4530967	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.909	10.909	(0.885)	463347	10.0000	10
72	Pyrene	202	10.992	10.992	(0.892)	2004954	10.0000	10
$ 73	Terphenyl-d14	244	11.170	11.170	(0.906)	1329377	10.0000	10
74	Butylbenzylphthalate	149	11.698	11.698	(0.949)	754339	10.0000	9
124	3,3'-Dimethylbenzidine	212	11.675	11.675	(0.947)	277336	10.0000	9
75	3,3'-Dichlorobenzidine	252	12.292	12.292	(0.997)	480591	10.0000	10
76	Benzo(a)anthracene	228	12.310	12.310	(0.999)	1774135	10.0000	9
77	Chrysene	228	12.357	12.357	(1.002)	1715899	10.0000	10
78	Bis(2-Ethylhexyl)phthalate	149	12.375	12.375	(1.004)	769095	10.0000	9
* 79	Perylene-d12	264	14.441	14.441	(1.000)	3339338	20.0000	
80	Di-n-octylphthalate	149	13.259	13.259	(0.918)	811188	10.0000	10
81	Benzo(b)fluoranthene	252	13.806	13.806	(0.956)	1418463	10.0000	9
82	Benzo(k)fluoranthene	252	13.847	13.847	(0.959)	1428581	10.0000	9
83	Benzo(a)pyrene	252	14.328	14.328	(0.992)	1126446	10.0000	9
84	Indeno(1,2,3-cd)pyrene	276	16.376	16.376	(1.134)	659252	10.0000	10
85	Dibenzo(a,h)anthracene	278	16.423	16.423	(1.137)	635795	10.0000	9
86	Benzo(g,h,i)perylene	276	16.886	16.886	(1.169)	599147	10.0000	9
167	Simazine	201	9.188	9.188	(0.969)	206619	10.0000	11(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.004	7.004	(0.885)	268539	10.0000	10
109	2,3,4,6-Tetrachlorophenol	232	8.280	8.280	(1.046)	282277	10.0000	11
119	Pentachloronitrobenzene	237	9.312	9.312	(0.982)	159542	10.0000	10

QC Flag Legend

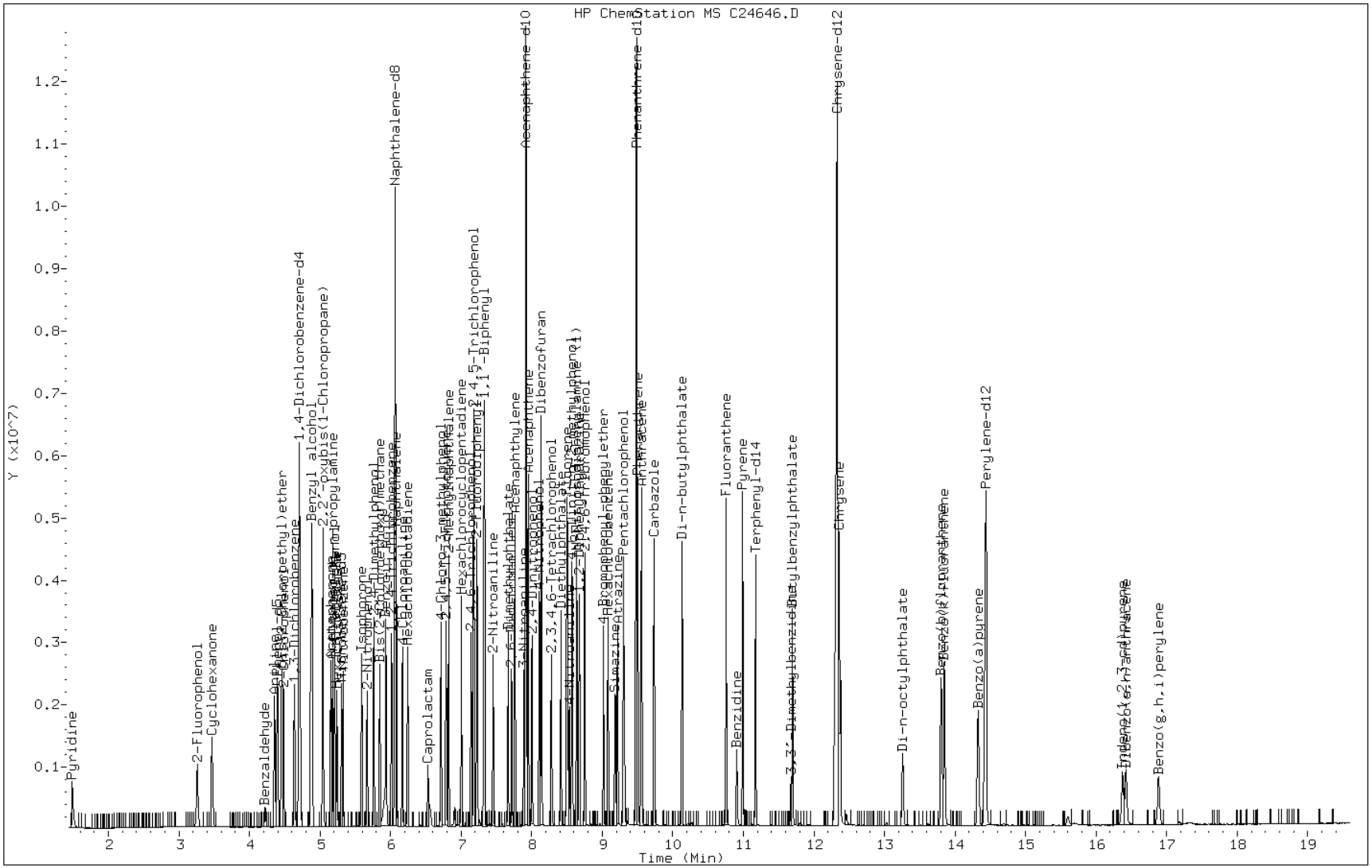
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24646.D

Date: 04-AUG-2011 10:09

Client ID: IC-649843 Instrument: msc.i

Sample Info: IC-649843;10/25 Operator: S.Jonas



Manual Integration Report

Data File: C24646.D
Inj. Date and Time: 04-AUG-2011 10:09
Instrument ID: msc.i
Client ID: IC-649843
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/05/2011

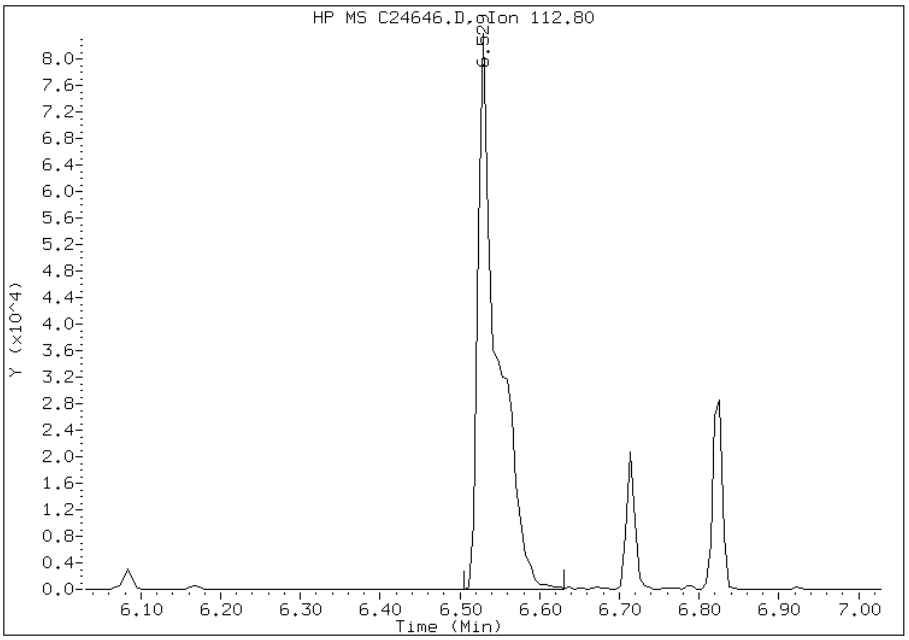
Processing Integration Results

RT: 6.53

Response: 143586

Amount: 10

Conc: 10



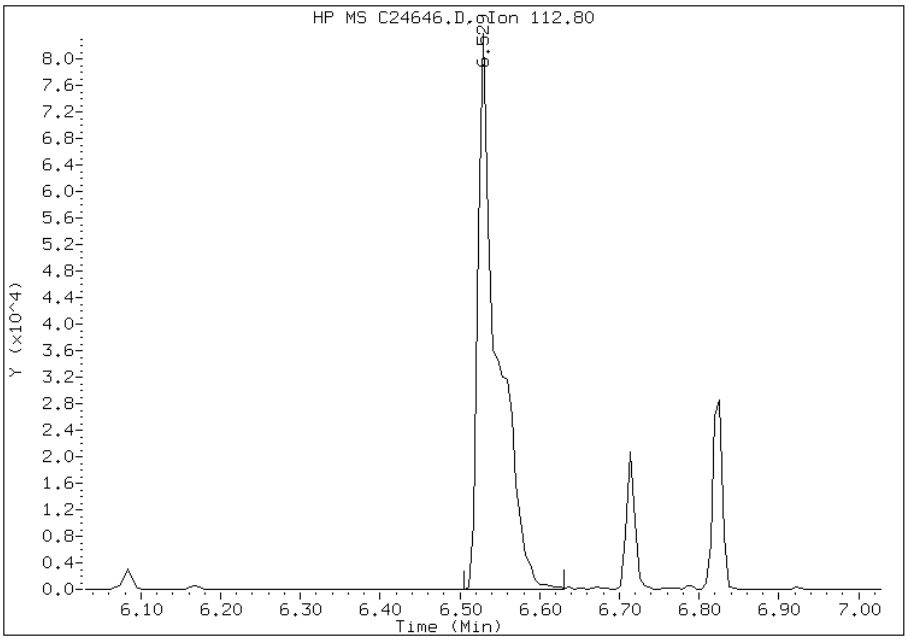
Manual Integration Results

RT: 6.53

Response: 143586

Amount: 10

Conc: 10



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24647.D
Lab Smp Id: IC-649844 Client Smp ID: IC-649844
Inj Date : 04-AUG-2011 10:40
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649844;20/30
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 10:40 Cal File: C24647.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	1090056	20.0000	
$ 2	2-Fluorophenol	112	3.259	3.259	(0.692)	916538	20.0000	19
$ 3	Phenol-d5	99	4.392	4.392	(0.933)	1237242	20.0000	19
4	Pyridine	52	1.490	1.490	(0.317)	339349	20.0000	19
5	N-Nitrosodimethylamine	42	1.484	1.484	(0.315)	262333	20.0000	19
6	Cyclohexanone	42	3.466	3.466	(0.736)	722532	20.0000	19
128	Benzaldehyde	77	4.220	4.220	(0.897)	140907	20.0000	19
7	Phenol	94	4.404	4.404	(0.936)	1365574	20.0000	19
8	Aniline	93	4.357	4.357	(0.926)	1494851	20.0000	19
9	bis(2-Chloroethyl)ether	63	4.458	4.458	(0.947)	930547	20.0000	19
10	2-Chlorophenol	128	4.481	4.481	(0.952)	1158723	20.0000	19
11	1,3-Dichlorobenzene	146	4.642	4.642	(0.986)	1296676	20.0000	19
12	1,4-Dichlorobenzene	146	4.725	4.725	(1.004)	1340128	20.0000	19
13	Benzyl alcohol	108	4.891	4.891	(1.039)	725554	20.0000	19
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.038)	1264615	20.0000	19
15	2,2'-oxybis(1-Chloropropane)	45	5.039	5.039	(1.071)	2135005	20.0000	19
16	2-Methylphenol	108	5.045	5.045	(1.072)	1027593	20.0000	19
92	Acetophenone	105	5.158	5.158	(1.096)	1428066	20.0000	19
17	Hexachloroethane	117	5.241	5.241	(1.113)	555164	20.0000	19
18	N-Nitroso-di-n-propylamine	70	5.182	5.182	(1.101)	838078	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.211	5.211	(1.107)	1094509	20.0000	19
*	20 Naphthalene-d8	136	6.066	6.066	(1.000)	4518415	20.0000	
$	21 Nitrobenzene-d5	82	5.306	5.306	(0.875)	1183174	20.0000	19
	22 Nitrobenzene	77	5.330	5.330	(0.879)	1194450	20.0000	19
	23 Isophorone	82	5.591	5.591	(0.922)	2167638	20.0000	19
	24 2-Nitrophenol	139	5.668	5.668	(0.934)	686233	20.0000	19
	25 2,4-Dimethylphenol	122	5.763	5.763	(0.950)	1039925	20.0000	19
	26 Benzoic Acid	122	5.941	5.941	(0.979)	530033	30.0000	26
	27 Bis(2-Chloroethoxy)methane	93	5.852	5.852	(0.965)	1378953	20.0000	19
	28 2,4-Dichlorophenol	162	5.941	5.941	(0.979)	1015608	20.0000	20
	29 1,2,4-Trichlorobenzene	180	6.019	6.019	(0.992)	1097623	20.0000	19
	30 Naphthalene	128	6.084	6.084	(1.003)	3500081	20.0000	20
	31 4-Chloroaniline	127	6.167	6.167	(1.017)	1424852	20.0000	20
	32 Hexachlorobutadiene	225	6.244	6.244	(1.029)	652458	20.0000	19
	129 Caprolactam	113	6.559	6.559	(1.081)	318234	20.0000	21(M)
	33 4-Chloro-3-methylphenol	107	6.719	6.719	(1.108)	1017177	20.0000	19
	34 2-Methylnaphthalene	142	6.826	6.826	(1.125)	2336778	20.0000	19
*	35 Acenaphthene-d10	164	7.924	7.924	(1.000)	2818047	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.790	6.790	(1.443)	975353	20.0000	19
	37 Hexachlorocyclopentadiene	237	7.004	7.004	(0.884)	634532	20.0000	18
	38 2,4,6-Trichlorophenol	196	7.140	7.140	(0.901)	729176	20.0000	19
	39 2,4,5-Trichlorophenol	196	7.182	7.182	(0.906)	1123087	30.0000	29
$	40 2-Fluorobiphenyl	172	7.229	7.229	(0.912)	2472213	20.0000	19
	130 1,1'-Biphenyl	154	7.324	7.324	(0.924)	2815483	20.0000	19
	41 2-Chloronaphthalene	162	7.336	7.336	(0.926)	2217005	20.0000	19
	42 2-Nitroaniline	65	7.461	7.461	(0.942)	716624	20.0000	19
	43 Acenaphthylene	152	7.763	7.763	(0.980)	3748937	20.0000	20
	44 Dimethylphthalate	163	7.669	7.669	(0.968)	2477885	20.0000	19
	45 2,6-Dinitrotoluene	165	7.722	7.722	(0.975)	604335	20.0000	19
	46 Acenaphthene	153	7.953	7.953	(1.004)	2312674	20.0000	19
	47 3-Nitroaniline	138	7.894	7.894	(0.996)	683946	20.0000	20
	48 2,4-Dinitrophenol	184	8.007	8.007	(1.010)	495579	30.0000	27
	49 Dibenzofuran	168	8.137	8.137	(1.027)	3276453	20.0000	20
	50 2,4-Dinitrotoluene	165	8.143	8.143	(1.028)	826315	20.0000	19
	51 4-Nitrophenol	109	8.114	8.114	(1.024)	422589	30.0000	28
	52 Fluorene	166	8.499	8.499	(1.073)	2650145	20.0000	19
	53 4-Chlorophenyl-phenylether	204	8.511	8.511	(1.074)	1294290	20.0000	19
	54 Diethylphthalate	149	8.416	8.416	(1.062)	2586688	20.0000	19
	55 4-Nitroaniline	138	8.541	8.541	(1.078)	670728	20.0000	19
$	56 2,4,6-Tribromophenol	330	8.755	8.755	(1.105)	517672	30.0000	29
*	57 Phenanthrene-d10	188	9.485	9.485	(1.000)	4766456	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.583	8.583	(0.905)	686273	30.0000	28
	59 N-Nitrosodiphenylamine (1)	169	8.642	8.642	(0.911)	1911554	20.0000	19
	60 1,2-Diphenylhydrazine	77	8.678	8.678	(0.915)	2772349	20.0000	19
	61 4-Bromophenyl-phenylether	248	9.022	9.022	(0.951)	743145	20.0000	19
	131 Atrazine	200	9.224	9.224	(0.972)	623669	20.0000	19
	62 Hexachlorobenzene	284	9.087	9.087	(0.958)	774760	20.0000	19
	63 Pentachlorophenol	266	9.301	9.301	(0.981)	516227	30.0000	27
	64 Phenanthrene	178	9.508	9.508	(1.002)	3655491	20.0000	19
	65 Carbazole	167	9.740	9.740	(1.027)	3501779	20.0000	20
	66 Anthracene	178	9.562	9.562	(1.008)	3771249	20.0000	19
	67 Di-n-butylphthalate	149	10.132	10.132	(1.068)	4277805	20.0000	14
	68 Fluoranthene	202	10.761	10.761	(1.135)	3999743	20.0000	19
*	70 Chrysene-d12	240	12.334	12.334	(1.000)	4509334	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.909	10.909	(0.885)	1064727	20.0000	24
72	Pyrene	202	10.992	10.992	(0.891)	4071865	20.0000	20
$ 73	Terphenyl-d14	244	11.176	11.176	(0.906)	2619216	20.0000	19
74	Butylbenzylphthalate	149	11.699	11.699	(0.949)	1618543	20.0000	20
124	3,3'-Dimethylbenzidine	212	11.675	11.675	(0.947)	629669	20.0000	20
75	3,3'-Dichlorobenzidine	252	12.292	12.292	(0.997)	990143	20.0000	20
76	Benzo(a)anthracene	228	12.316	12.316	(0.999)	3583318	20.0000	19
77	Chrysene	228	12.363	12.363	(1.002)	3416993	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.375	12.375	(1.003)	1711216	20.0000	19
* 79	Perylene-d12	264	14.441	14.441	(1.000)	3169544	20.0000	
80	Di-n-octylphthalate	149	13.260	13.260	(0.918)	1825258	20.0000	15
81	Benzo(b)fluoranthene	252	13.812	13.812	(0.956)	2728100	20.0000	18
82	Benzo(k)fluoranthene	252	13.853	13.853	(0.959)	2933629	20.0000	19
83	Benzo(a)pyrene	252	14.334	14.334	(0.993)	2198800	20.0000	19
84	Indeno(1,2,3-cd)pyrene	276	16.382	16.382	(1.134)	1112939	20.0000	17
85	Dibenzo(a,h)anthracene	278	16.429	16.429	(1.138)	1101924	20.0000	17
86	Benzo(g,h,i)perylene	276	16.892	16.892	(1.170)	984540	20.0000	16
167	Simazine	201	9.194	9.194	(0.969)	418758	20.0000	19(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.010	7.010	(0.885)	539501	25.0000	20
109	2,3,4,6-Tetrachlorophenol	232	8.286	8.286	(1.046)	588479	25.0000	20
119	Pentachloronitrobenzene	237	9.319	9.319	(0.982)	321758	25.0000	21

QC Flag Legend

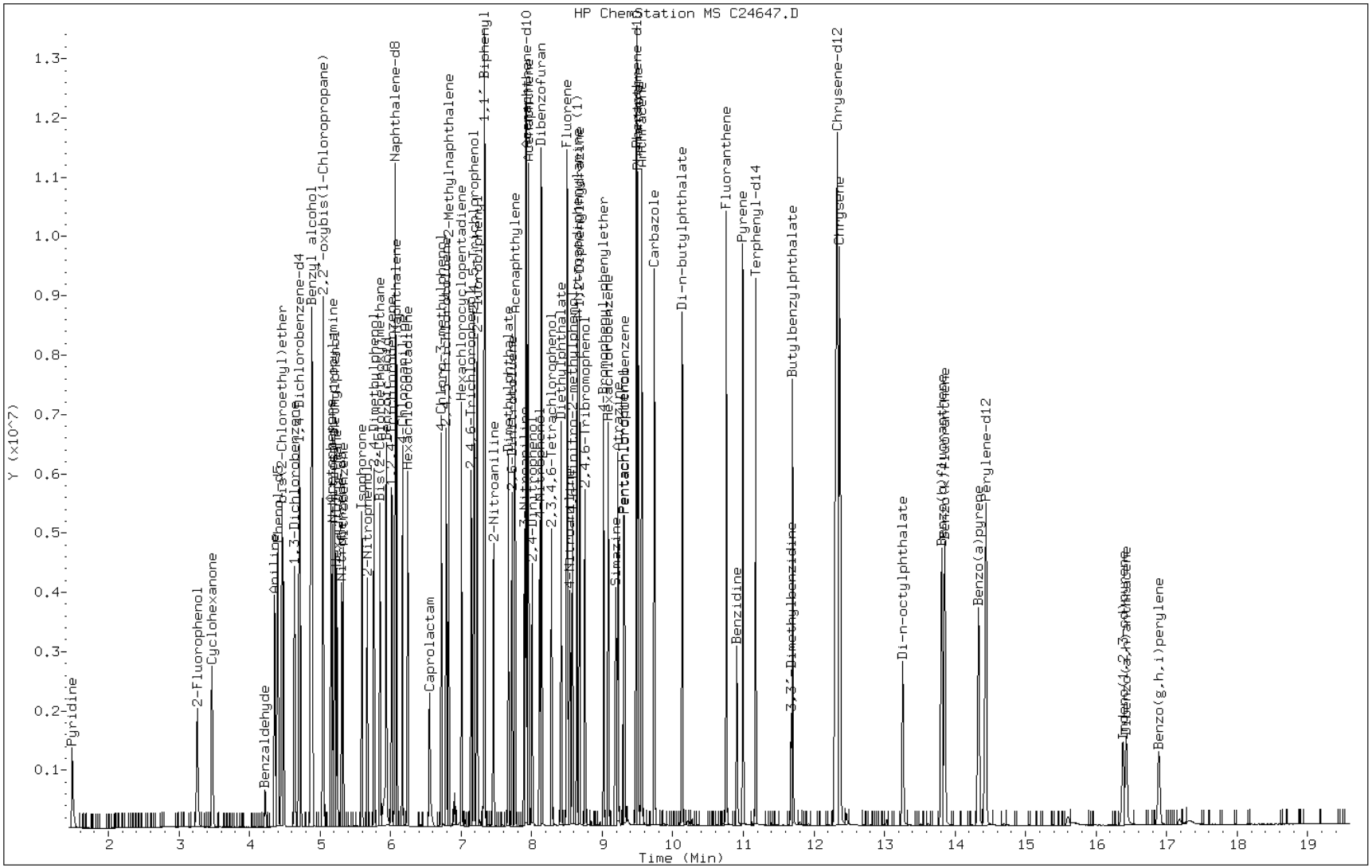
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24647.D

Date: 04-AUG-2011 10:40

Client ID: IC-649844 Instrument: msc.i

Sample Info: IC-649844;20/30 Operator: S.Jonas



Manual Integration Report

Data File: C24647.D
Inj. Date and Time: 04-AUG-2011 10:40
Instrument ID: msc.i
Client ID: IC-649844
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/05/2011

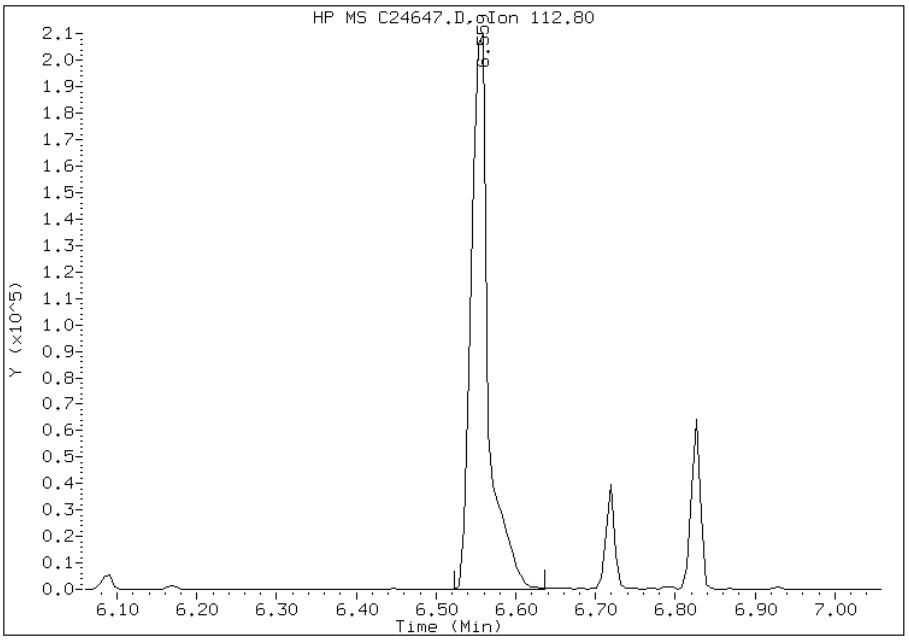
Processing Integration Results

RT: 6.56

Response: 318234

Amount: 21

Conc: 21



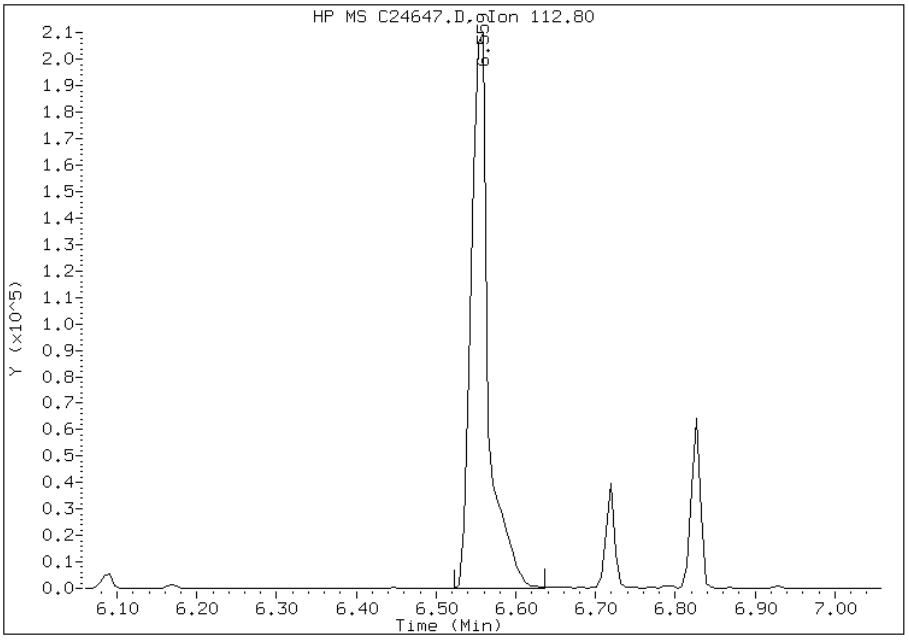
Manual Integration Results

RT: 6.56

Response: 318234

Amount: 21

Conc: 21



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24648.D
Lab Smp Id: IC-649845 Client Smp ID: IC-649845
Inj Date : 04-AUG-2011 11:10
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649845;60
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 11:10 Cal File: C24648.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	1030609	20.0000	
$ 2	2-Fluorophenol	112	3.265	3.265	(0.694)	2673196	60.0000	59
$ 3	Phenol-d5	99	4.410	4.410	(0.937)	3566752	60.0000	58
4	Pyridine	52	1.490	1.490	(0.317)	998682	60.0000	59
5	N-Nitrosodimethylamine	42	1.490	1.490	(0.317)	766025	60.0000	59
6	Cyclohexanone	42	3.472	3.472	(0.738)	2044647	60.0000	58
128	Benzaldehyde	77	4.220	4.220	(0.897)	496469	60.0000	70
7	Phenol	94	4.428	4.428	(0.941)	3838653	60.0000	58
8	Aniline	93	4.363	4.363	(0.927)	4342673	60.0000	60
9	bis(2-Chloroethyl)ether	63	4.463	4.463	(0.948)	2762762	60.0000	59
10	2-Chlorophenol	128	4.493	4.493	(0.955)	3289729	60.0000	58
11	1,3-Dichlorobenzene	146	4.642	4.642	(0.986)	3716800	60.0000	58
12	1,4-Dichlorobenzene	146	4.725	4.725	(1.004)	3735226	60.0000	57
13	Benzyl alcohol	108	4.903	4.903	(1.042)	2096940	60.0000	59
14	1,2-Dichlorobenzene	146	4.885	4.885	(1.038)	3538949	60.0000	57
15	2,2'-oxybis(1-Chloropropane)	45	5.045	5.045	(1.072)	5798039	60.0000	56
16	2-Methylphenol	108	5.057	5.057	(1.074)	2932743	60.0000	58
92	Acetophenone	105	5.170	5.170	(1.098)	4077365	60.0000	58
17	Hexachloroethane	117	5.241	5.241	(1.113)	1607100	60.0000	59
18	N-Nitroso-di-n-propylamine	70	5.199	5.199	(1.105)	2422942	60.0000	59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.229	5.229	(1.111)	3104367	60.0000	58
*	20 Naphthalene-d8	136	6.066	6.066	(1.000)	4373278	20.0000	
$	21 Nitrobenzene-d5	82	5.318	5.318	(0.877)	3474615	60.0000	58
	22 Nitrobenzene	77	5.342	5.342	(0.881)	3428244	60.0000	57
	23 Isophorone	82	5.609	5.609	(0.925)	6390436	60.0000	58
	24 2-Nitrophenol	139	5.680	5.680	(0.936)	2011571	60.0000	58
	25 2,4-Dimethylphenol	122	5.781	5.781	(0.953)	2905124	60.0000	56
	26 Benzoic Acid	122	5.983	5.983	(0.986)	1674985	60.0000	59(M)
	27 Bis(2-Chloroethoxy)methane	93	5.864	5.864	(0.967)	3891153	60.0000	56
	28 2,4-Dichlorophenol	162	5.953	5.953	(0.981)	2862391	60.0000	57
	29 1,2,4-Trichlorobenzene	180	6.019	6.019	(0.992)	3151259	60.0000	57
	30 Naphthalene	128	6.090	6.090	(1.004)	8617417	60.0000	50
	31 4-Chloroaniline	127	6.173	6.173	(1.018)	4107380	60.0000	59
	32 Hexachlorobutadiene	225	6.244	6.244	(1.029)	1866784	60.0000	57
	129 Caprolactam	113	6.618	6.618	(1.091)	959331	60.0000	64(M)
	33 4-Chloro-3-methylphenol	107	6.731	6.731	(1.110)	2940823	60.0000	58
	34 2-Methylnaphthalene	142	6.832	6.832	(1.126)	6405913	60.0000	55
*	35 Acenaphthene-d10	164	7.924	7.924	(1.000)	2709641	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.796	6.796	(1.444)	2817426	60.0000	59
	37 Hexachlorocyclopentadiene	237	7.010	7.010	(0.885)	1986427	60.0000	57
	38 2,4,6-Trichlorophenol	196	7.152	7.152	(0.903)	2112349	60.0000	58
	39 2,4,5-Trichlorophenol	196	7.194	7.194	(0.908)	2292913	60.0000	61
$	40 2-Fluorobiphenyl	172	7.235	7.235	(0.913)	6814984	60.0000	55
	130 1,1'-Biphenyl	154	7.336	7.336	(0.926)	7108209	60.0000	51
	41 2-Chloronaphthalene	162	7.342	7.342	(0.927)	6028203	60.0000	55
	42 2-Nitroaniline	65	7.467	7.467	(0.942)	2108294	60.0000	58
	43 Acenaphthylene	152	7.769	7.769	(0.981)	8997971	60.0000	49
	44 Dimethylphthalate	163	7.680	7.680	(0.969)	7095177	60.0000	57
	45 2,6-Dinitrotoluene	165	7.740	7.740	(0.977)	1771582	60.0000	59
	46 Acenaphthene	153	7.965	7.965	(1.005)	6273404	60.0000	54
	47 3-Nitroaniline	138	7.912	7.912	(0.999)	2021549	60.0000	60
	48 2,4-Dinitrophenol	184	8.019	8.019	(1.012)	1125241	60.0000	58
	49 Dibenzofuran	168	8.143	8.143	(1.028)	8785041	60.0000	55
	50 2,4-Dinitrotoluene	165	8.161	8.161	(1.030)	2387022	60.0000	58
	51 4-Nitrophenol	109	8.131	8.131	(1.026)	941282	60.0000	65
	52 Fluorene	166	8.505	8.505	(1.073)	7248467	60.0000	55
	53 4-Chlorophenyl-phenylether	204	8.517	8.517	(1.075)	3589531	60.0000	56
	54 Diethylphthalate	149	8.428	8.428	(1.064)	7285846	60.0000	57
	55 4-Nitroaniline	138	8.565	8.565	(1.081)	2026591	60.0000	60
$	56 2,4,6-Tribromophenol	330	8.767	8.767	(1.106)	1023993	60.0000	59
*	57 Phenanthrene-d10	188	9.491	9.491	(1.000)	4640058	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.600	8.600	(0.906)	1463411	60.0000	58
	59 N-Nitrosodiphenylamine (1)	169	8.654	8.654	(0.912)	5406127	60.0000	56
	60 1,2-Diphenylhydrazine	77	8.689	8.689	(0.916)	7762634	60.0000	56
	61 4-Bromophenyl-phenylether	248	9.028	9.028	(0.951)	2143053	60.0000	56
	131 Atrazine	200	9.247	9.247	(0.974)	2058972	60.0000	63
	62 Hexachlorobenzene	284	9.093	9.093	(0.958)	2271690	60.0000	57
	63 Pentachlorophenol	266	9.307	9.307	(0.981)	1170637	60.0000	56
	64 Phenanthrene	178	9.514	9.514	(1.002)	9440156	60.0000	50
	65 Carbazole	167	9.752	9.752	(1.028)	9336789	60.0000	54
	66 Anthracene	178	9.568	9.568	(1.008)	9227300	60.0000	48
	67 Di-n-butylphthalate	149	10.138	10.138	(1.068)	9992915	60.0000	57
	68 Fluoranthene	202	10.767	10.767	(1.134)	10279456	60.0000	51
*	70 Chrysene-d12	240	12.340	12.340	(1.000)	4302592	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.915	10.915	(0.885)	3259070	60.0000	76
72	Pyrene	202	11.004	11.004	(0.892)	10509485	60.0000	54
$ 73	Terphenyl-d14	244	11.182	11.182	(0.906)	7428075	60.0000	56
74	Butylbenzylphthalate	149	11.705	11.705	(0.949)	4831479	60.0000	61
124	3,3'-Dimethylbenzidine	212	11.681	11.681	(0.947)	2245036	60.0000	74
75	3,3'-Dichlorobenzidine	252	12.310	12.310	(0.998)	2808311	60.0000	59
76	Benzo(a)anthracene	228	12.322	12.322	(0.999)	9898825	60.0000	56
77	Chrysene	228	12.375	12.375	(1.003)	8921659	60.0000	54
78	Bis(2-Ethylhexyl)phthalate	149	12.381	12.381	(1.003)	5334978	60.0000	63
* 79	Perylene-d12	264	14.435	14.435	(1.000)	2058938	20.0000	
80	Di-n-octylphthalate	149	13.266	13.266	(0.919)	5921670	60.0000	55
81	Benzo(b)fluoranthene	252	13.823	13.823	(0.958)	6131439	60.0000	63
82	Benzo(k)fluoranthene	252	13.871	13.871	(0.961)	6492719	60.0000	64
83	Benzo(a)pyrene	252	14.346	14.346	(0.994)	4456012	60.0000	59
84	Indeno(1,2,3-cd)pyrene	276	16.393	16.393	(1.136)	2541920	60.0000	61
85	Dibenzo(a,h)anthracene	278	16.441	16.441	(1.139)	2477896	60.0000	59
86	Benzo(g,h,i)perylene	276	16.910	16.910	(1.171)	2585972	60.0000	65
167	Simazine	201	9.218	9.218	(0.971)	1353309	60.0000	62
103	1,2,4,5-Tetrachlorobenzene	216	7.016	7.016	(0.885)	1559005	60.0000	61
109	2,3,4,6-Tetrachlorophenol	232	8.292	8.292	(1.046)	1723728	60.0000	57
119	Pentachloronitrobenzene	237	9.324	9.324	(0.982)	928602	60.0000	61

QC Flag Legend

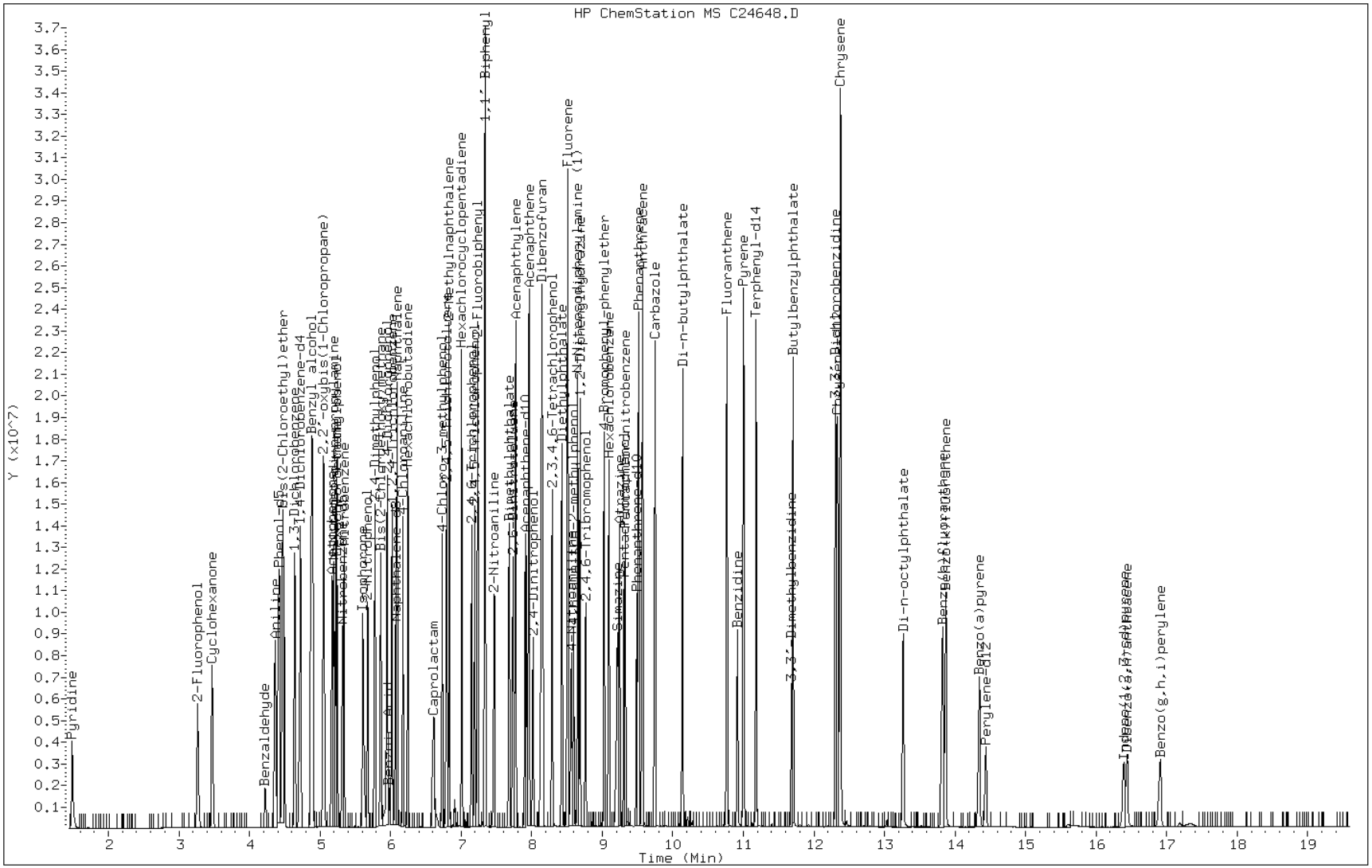
M - Compound response manually integrated.

Data File: C24648.D

Date: 04-AUG-2011 11:10

Client ID: IC-649845 Instrument: msc.i

Sample Info: IC-649845;60 Operator: S.Jonas



Manual Integration Report

Data File: C24648.D
Inj. Date and Time: 04-AUG-2011 11:10
Instrument ID: msc.i
Client ID: IC-649845
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/05/2011

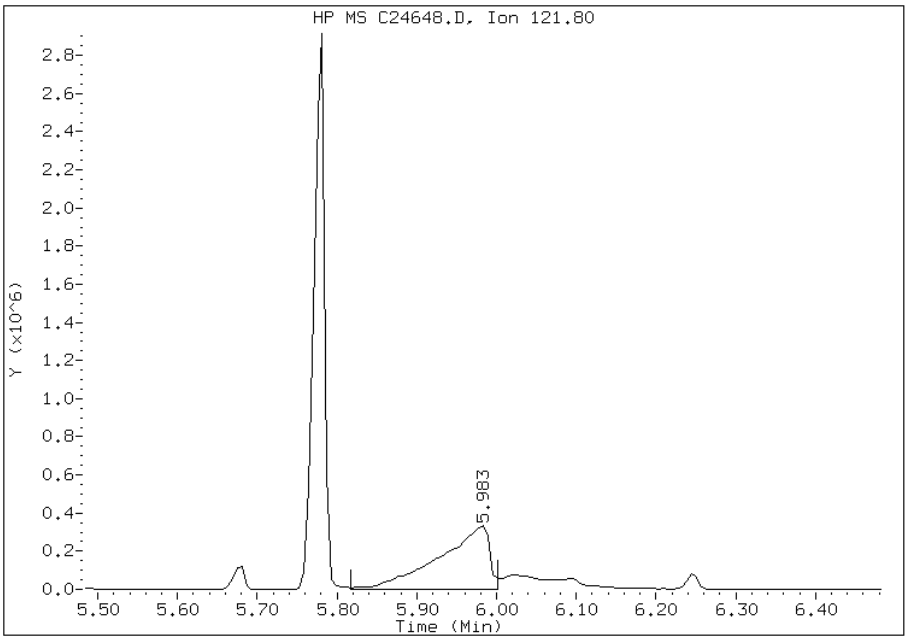
Processing Integration Results

RT: 5.98

Response: 1444957

Amount: 53

Conc: 53



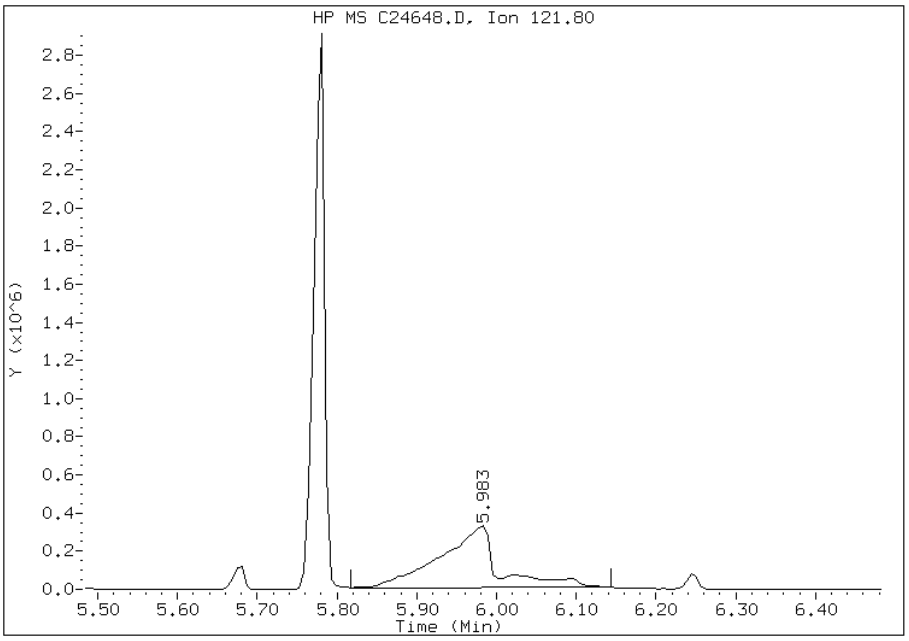
Manual Integration Results

RT: 5.98

Response: 1674985

Amount: 59

Conc: 59



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24648.D
Inj. Date and Time: 04-AUG-2011 11:10
Instrument ID: msc.i
Client ID: IC-649845
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/05/2011

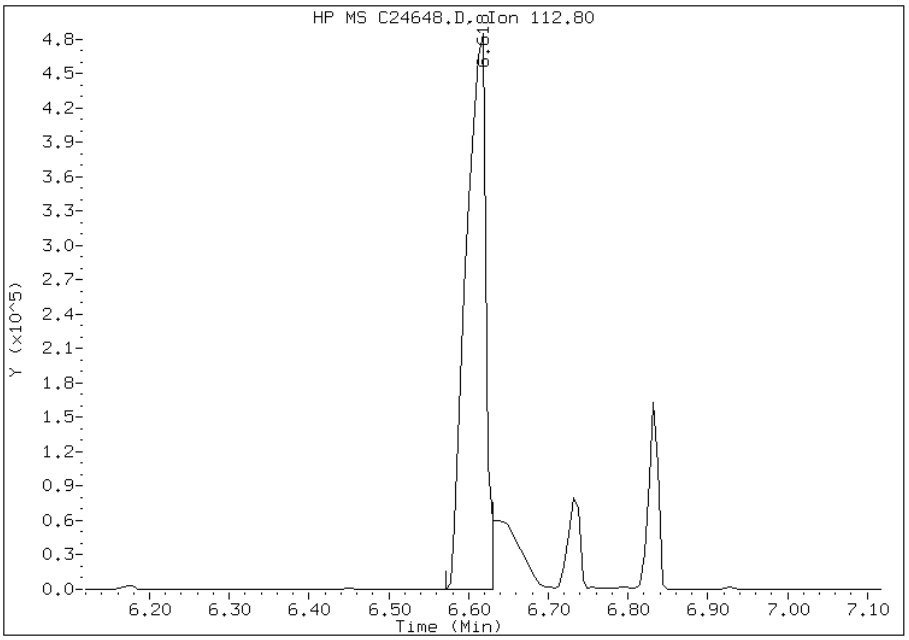
Processing Integration Results

RT: 6.62

Response: 833342

Amount: 57

Conc: 57



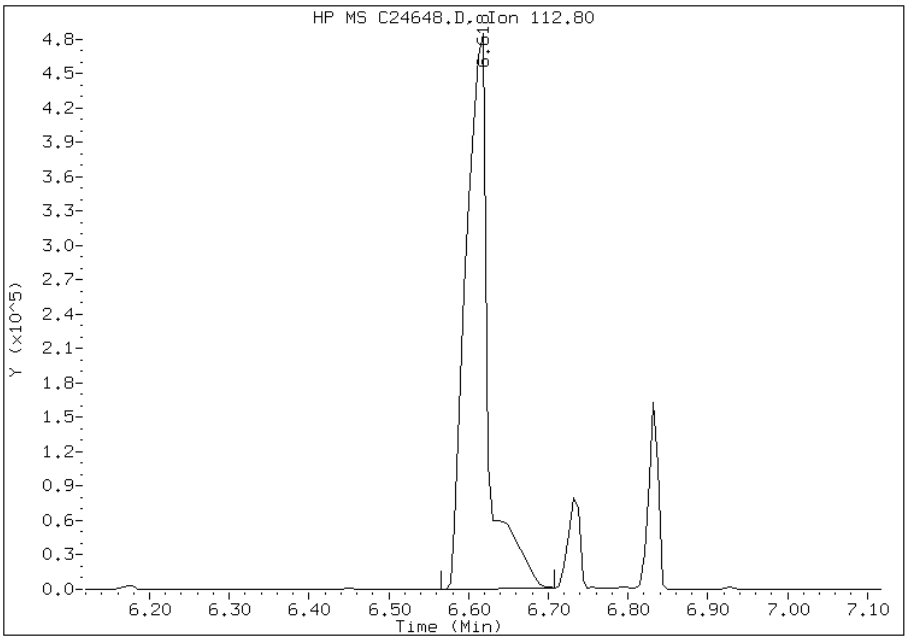
Manual Integration Results

RT: 6.62

Response: 959331

Amount: 64

Conc: 64



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24649.D
Lab Smp Id: IC-649846 Client Smp ID: IC-649846
Inj Date : 04-AUG-2011 11:41
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649846;80
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 07:56 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 11:41 Cal File: C24649.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	1013989	20.0000	
$ 2	2-Fluorophenol	112	3.270	3.270	(0.695)	3528496	80.0000	79
$ 3	Phenol-d5	99	4.416	4.416	(0.938)	4709384	80.0000	78
4	Pyridine	52	1.496	1.496	(0.318)	1329082	80.0000	80
5	N-Nitrosodimethylamine	42	1.490	1.490	(0.317)	1004124	80.0000	78
6	Cyclohexanone	42	3.472	3.472	(0.738)	2609345	80.0000	75
128	Benzaldehyde	77	4.220	4.220	(0.897)	671493	80.0000	96(A)
7	Phenol	94	4.434	4.434	(0.942)	4948910	80.0000	75
8	Aniline	93	4.368	4.368	(0.928)	5715194	80.0000	80(A)
9	bis(2-Chloroethyl)ether	63	4.469	4.469	(0.950)	3744795	80.0000	81(A)
10	2-Chlorophenol	128	4.499	4.499	(0.956)	4306568	80.0000	77
11	1,3-Dichlorobenzene	146	4.647	4.647	(0.987)	4949743	80.0000	79
12	1,4-Dichlorobenzene	146	4.725	4.725	(1.004)	4921365	80.0000	77
13	Benzyl alcohol	108	4.909	4.909	(1.043)	2793625	80.0000	80
14	1,2-Dichlorobenzene	146	4.891	4.891	(1.039)	4573090	80.0000	75
15	2,2'-oxybis(1-Chloropropane)	45	5.045	5.045	(1.072)	7551553	80.0000	74
16	2-Methylphenol	108	5.063	5.063	(1.076)	3888127	80.0000	78
92	Acetophenone	105	5.176	5.176	(1.100)	5467633	80.0000	79
17	Hexachloroethane	117	5.241	5.241	(1.113)	2086014	80.0000	78
18	N-Nitroso-di-n-propylamine	70	5.205	5.205	(1.106)	3196929	80.0000	79

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.235	5.235	(1.112)	3983316	80.0000	75
*	20 Naphthalene-d8	136	6.072	6.072	(1.000)	4250749	20.0000	
$	21 Nitrobenzene-d5	82	5.324	5.324	(0.877)	4615332	80.0000	79
	22 Nitrobenzene	77	5.348	5.348	(0.881)	4625692	80.0000	79
	23 Isophorone	82	5.615	5.615	(0.925)	8596519	80.0000	80
	24 2-Nitrophenol	139	5.680	5.680	(0.935)	2663853	80.0000	79
	25 2,4-Dimethylphenol	122	5.787	5.787	(0.953)	3816366	80.0000	76
	26 Benzoic Acid	122	6.013	6.013	(0.990)	2531808	80.0000	79(M)
	27 Bis(2-Chloroethoxy)methane	93	5.864	5.864	(0.966)	5196737	80.0000	77
	28 2,4-Dichlorophenol	162	5.959	5.959	(0.981)	3762149	80.0000	77
	29 1,2,4-Trichlorobenzene	180	6.024	6.024	(0.992)	4161637	80.0000	78
	30 Naphthalene	128	6.090	6.090	(1.003)	10105639	80.0000	61
	31 4-Chloroaniline	127	6.179	6.179	(1.018)	5258496	80.0000	78
	32 Hexachlorobutadiene	225	6.250	6.250	(1.029)	2487793	80.0000	78
	129 Caprolactam	113	6.636	6.636	(1.093)	1341534	80.0000	90(AM)
	33 4-Chloro-3-methylphenol	107	6.737	6.737	(1.109)	3944389	80.0000	80
	34 2-Methylnaphthalene	142	6.838	6.838	(1.126)	8186517	80.0000	72
*	35 Acenaphthene-d10	164	7.924	7.924	(1.000)	2634959	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.796	6.796	(1.444)	3652136	80.0000	77
	37 Hexachlorocyclopentadiene	237	7.010	7.010	(0.885)	2617151	80.0000	77
	38 2,4,6-Trichlorophenol	196	7.152	7.152	(0.903)	2822335	80.0000	79
	39 2,4,5-Trichlorophenol	196	7.200	7.200	(0.909)	2952823	80.0000	80(A)
$	40 2-Fluorobiphenyl	172	7.235	7.235	(0.913)	8666138	80.0000	72
	130 1,1'-Biphenyl	154	7.336	7.336	(0.926)	8254212	80.0000	61
	41 2-Chloronaphthalene	162	7.348	7.348	(0.927)	7577725	80.0000	71
	42 2-Nitroaniline	65	7.473	7.473	(0.943)	2784091	80.0000	79
	43 Acenaphthylene	152	7.769	7.769	(0.981)	11117887	80.0000	62
	44 Dimethylphthalate	163	7.686	7.686	(0.970)	9362466	80.0000	77
	45 2,6-Dinitrotoluene	165	7.740	7.740	(0.977)	2398056	80.0000	82(A)
	46 Acenaphthene	153	7.965	7.965	(1.005)	8095566	80.0000	72
	47 3-Nitroaniline	138	7.918	7.918	(0.999)	2689512	80.0000	82(A)
	48 2,4-Dinitrophenol	184	8.025	8.025	(1.013)	1560042	80.0000	80
	49 Dibenzofuran	168	8.143	8.143	(1.028)	10052917	80.0000	65
	50 2,4-Dinitrotoluene	165	8.167	8.167	(1.031)	3118977	80.0000	78
	51 4-Nitrophenol	109	8.137	8.137	(1.027)	1249074	80.0000	89(A)
	52 Fluorene	166	8.511	8.511	(1.074)	8994580	80.0000	70
	53 4-Chlorophenyl-phenylether	204	8.517	8.517	(1.075)	4609088	80.0000	73
	54 Diethylphthalate	149	8.434	8.434	(1.064)	9354527	80.0000	75
	55 4-Nitroaniline	138	8.577	8.577	(1.082)	2702399	80.0000	83(A)
$	56 2,4,6-Tribromophenol	330	8.767	8.767	(1.106)	1389440	80.0000	83(A)
*	57 Phenanthrene-d10	188	9.491	9.491	(1.000)	4520816	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.606	8.606	(0.907)	1968021	80.0000	79
	59 N-Nitrosodiphenylamine (1)	169	8.660	8.660	(0.912)	6887850	80.0000	73
	60 1,2-Diphenylhydrazine	77	8.689	8.689	(0.916)	9640921	80.0000	71
	61 4-Bromophenyl-phenylether	248	9.034	9.034	(0.952)	2826264	80.0000	76
	131 Atrazine	200	9.253	9.253	(0.975)	2697028	80.0000	85(A)
	62 Hexachlorobenzene	284	9.099	9.099	(0.959)	2968097	80.0000	77
	63 Pentachlorophenol	266	9.313	9.313	(0.981)	1686817	80.0000	80(A)
	64 Phenanthrene	178	9.514	9.514	(1.002)	11314315	80.0000	62
	65 Carbazole	167	9.752	9.752	(1.028)	11553864	80.0000	68
	66 Anthracene	178	9.568	9.568	(1.008)	11340336	80.0000	61
	67 Di-n-butylphthalate	149	10.138	10.138	(1.068)	11253562	80.0000	74
	68 Fluoranthene	202	10.767	10.767	(1.134)	12067640	80.0000	61
*	70 Chrysene-d12	240	12.340	12.340	(1.000)	3977110	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.921	10.921	(0.885)	3842419	80.0000	97(A)
72	Pyrene	202	11.004	11.004	(0.892)	12219314	80.0000	68
$ 73	Terphenyl-d14	244	11.182	11.182	(0.906)	9583908	80.0000	78
74	Butylbenzylphthalate	149	11.705	11.705	(0.949)	6260043	80.0000	86(A)
124	3,3'-Dimethylbenzidine	212	11.681	11.681	(0.947)	2626740	80.0000	94(A)
75	3,3'-Dichlorobenzidine	252	12.310	12.310	(0.998)	3336924	80.0000	76
76	Benzo(a)anthracene	228	12.328	12.328	(0.999)	12358316	80.0000	75
77	Chrysene	228	12.381	12.381	(1.003)	10933537	80.0000	71
78	Bis(2-Ethylhexyl)phthalate	149	12.381	12.381	(1.003)	6959389	80.0000	89(A)
* 79	Perylene-d12	264	14.435	14.435	(1.000)	1671407	20.0000	
80	Di-n-octylphthalate	149	13.266	13.266	(0.919)	7642687	80.0000	84(A)
81	Benzo(b)fluoranthene	252	13.823	13.823	(0.958)	6915437	80.0000	88(A)
82	Benzo(k)fluoranthene	252	13.871	13.871	(0.961)	7324484	80.0000	88(A)
83	Benzo(a)pyrene	252	14.346	14.346	(0.994)	4969180	80.0000	81(A)
84	Indeno(1,2,3-cd)pyrene	276	16.393	16.393	(1.136)	3590249	80.0000	110(A)
85	Dibenzo(a,h)anthracene	278	16.447	16.447	(1.139)	3483116	80.0000	100(A)
86	Benzo(g,h,i)perylene	276	16.916	16.916	(1.172)	3622641	80.0000	110(A)
167	Simazine	201	9.230	9.230	(0.972)	1799296	80.0000	84(A)
103	1,2,4,5-Tetrachlorobenzene	216	7.016	7.016	(0.885)	2061694	80.0000	82(A)
109	2,3,4,6-Tetrachlorophenol	232	8.298	8.298	(1.047)	2318960	80.0000	79
119	Pentachloronitrobenzene	237	9.330	9.330	(0.983)	1235584	80.0000	83(A)

QC Flag Legend

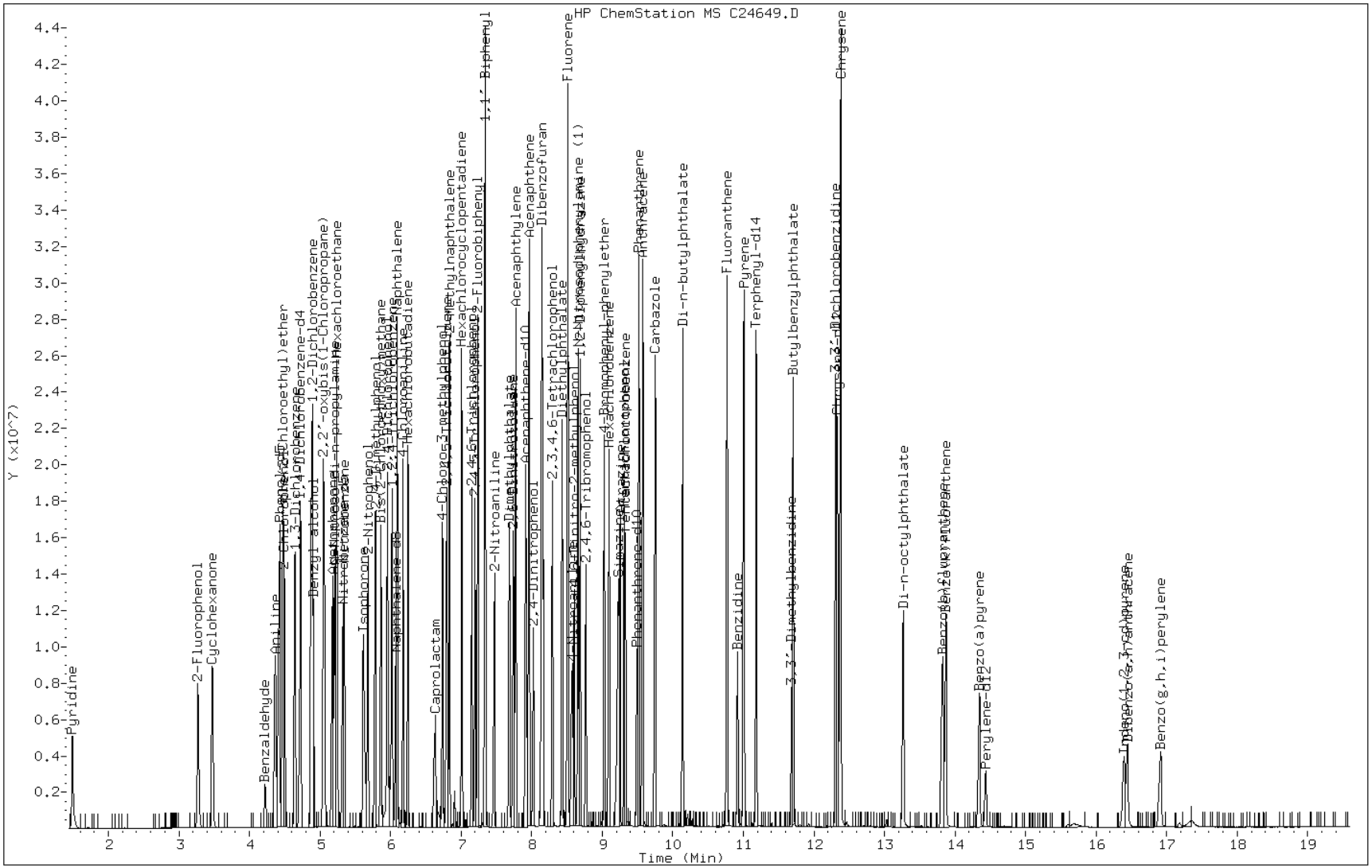
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: C24649.D

Date: 04-AUG-2011 11:41

Client ID: IC-649846 Instrument: msc.i

Sample Info: IC-649846;80 Operator: S.Jonas



Manual Integration Report

Data File: C24649.D
Inj. Date and Time: 04-AUG-2011 11:41
Instrument ID: msc.i
Client ID: IC-649846
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/05/2011

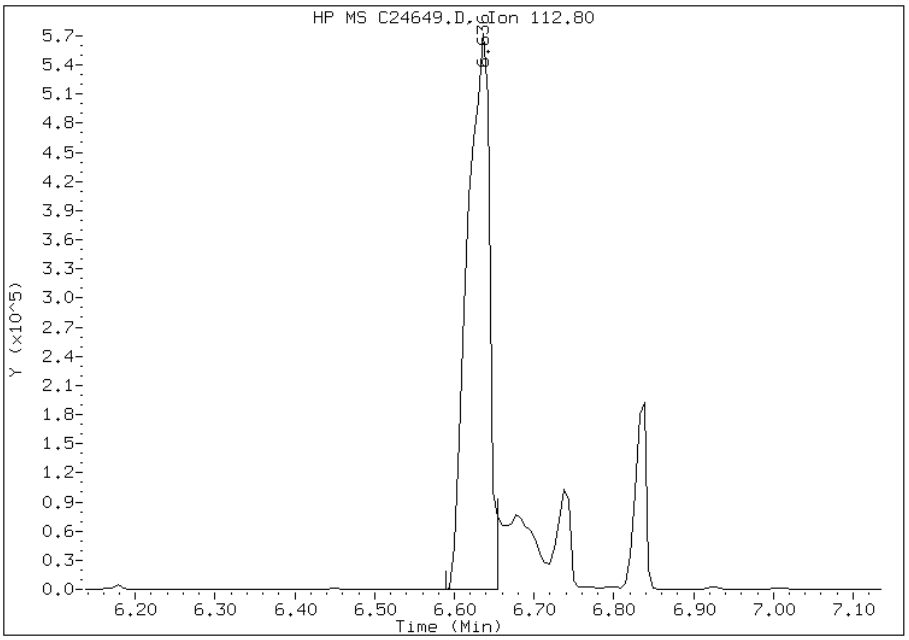
Processing Integration Results

RT: 6.64

Response: 1107260

Amount: 76

Conc: 76



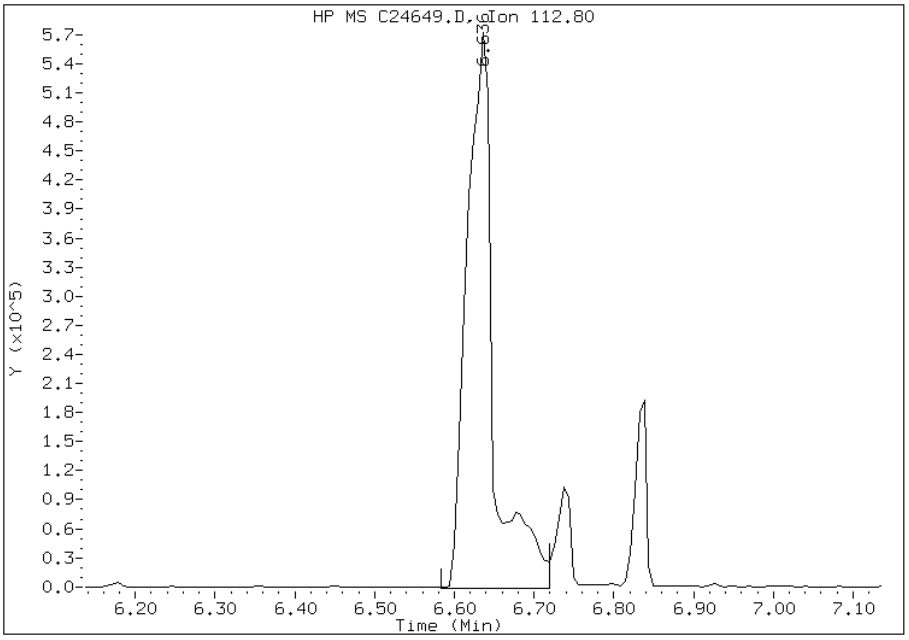
Manual Integration Results

RT: 6.64

Response: 1341534

Amount: 90

Conc: 90



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24649.D
Inj. Date and Time: 04-AUG-2011 11:41
Instrument ID: msc.i
Client ID: IC-649846
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/05/2011

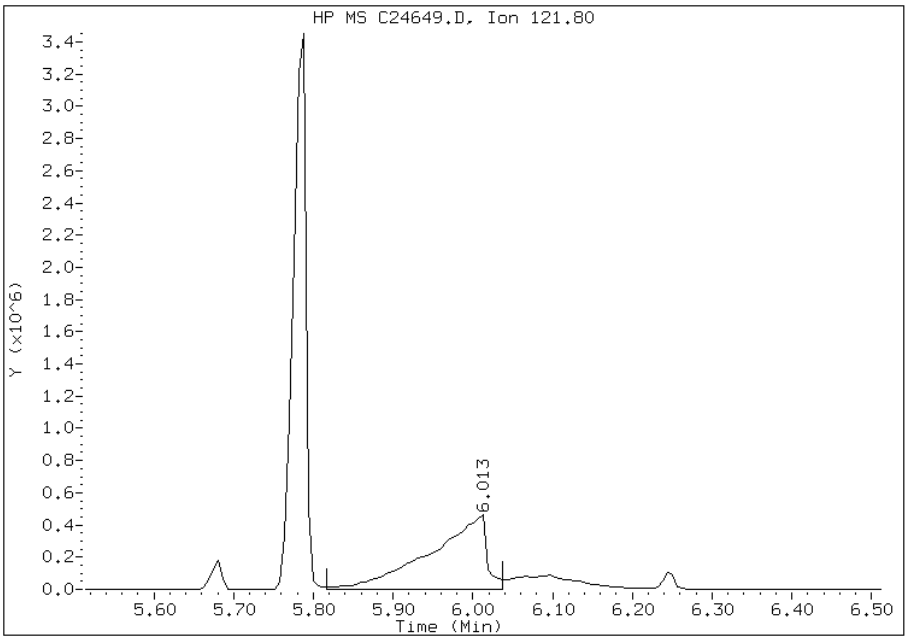
Processing Integration Results

RT: 6.01

Response: 2251225

Amount: 79

Conc: 79



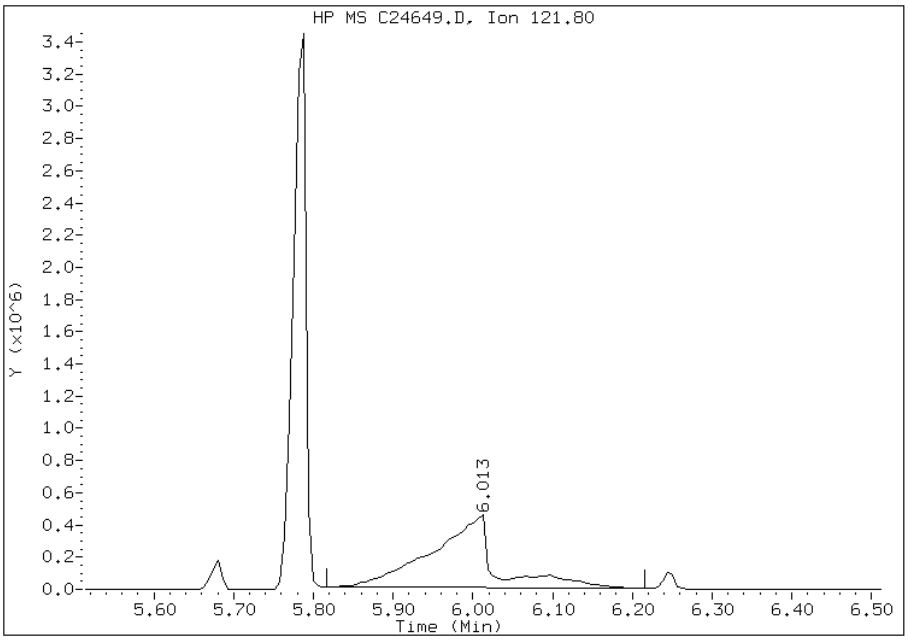
Manual Integration Results

RT: 6.01

Response: 2531808

Amount: 79

Conc: 79



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53686/2	C24671.D
Level 2	IC 220-53686/3	C24672.D
Level 3	IC 220-53686/4	C24673.D
Level 4	IC 220-53686/5	C24674.D
Level 5	ICIS 220-53686/1	C24670.D
Level 6	IC 220-53686/6	C24675.D
Level 7	IC 220-53686/7	C24676.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.3362 0.3254	0.3247 0.3323	0.3241	0.3397	0.3255	Ave		0.3297				1.9		15.0			
Pyridine	0.4179 0.4251	0.4187 0.4425	0.4317	0.4460	0.4230	Ave		0.4293				2.6		15.0			
Cyclohexanone	0.9249 0.8590	0.9130 0.8359	0.9323	0.9532	0.8431	Ave		0.8945				5.3		15.0			
Benzaldehyde	0.0825 0.2642	0.0838 0.2109	0.3070	0.4438	0.3402	Ave		0.2475				53.8	*	15.0			
Aniline	1.7329 1.8655	1.8591 1.9300	1.9002	1.9945	1.8238	Ave		1.8723				4.4		15.0			
Phenol	1.7232 1.6557	1.7424 1.7310	1.7240	1.8103	1.6169	Ave		1.7148				3.6		30.0			
Bis(2-chloroethyl)ether	1.2656 1.2285	1.2524 1.2958	1.2564	1.2553	1.1797	Ave		1.2477				2.9		15.0			
2-Chlorophenol	1.4743 1.4196	1.4581 1.4601	1.4697	1.5186	1.3946	Ave		1.4564				2.7		15.0			
1,3-Dichlorobenzene	1.6554 1.5947	1.6325 1.6452	1.6209	1.7016	1.5341	Ave		1.6263				3.2		15.0			
1,4-Dichlorobenzene	1.7168 1.6185	1.6763 1.6646	1.6873	1.7490	1.5818	Ave		1.6706				3.4		30.0			
1,2-Dichlorobenzene	1.6223 1.5227	1.6273 1.5524	1.6032	1.6627	1.4959	Ave		1.5838				3.9		15.0			
Benzyl alcohol	0.8227 0.9289	0.8880 0.9564	0.9395	0.9501	0.9075	Ave		0.9133				5.1		15.0			
2,2'-oxybis[1-chloropropane]	2.7881 2.5235	2.8036 2.5849	2.7632	2.8205	2.5652	Ave		2.6927				4.8		15.0			
2-Methylphenol	1.3277 1.2818	1.3482 1.3202	1.3159	1.3761	1.2444	Ave		1.3163				3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	1.8076 1.8007	1.8296 1.8686	1.8192	1.9080	1.7348	Ave		1.8241				3.0		15.0			
N-Nitrosodi-n-propylamine	1.0897 1.0778	1.0989 1.0897	1.0843	1.1368	1.0371	Ave		1.0877			0.0500	2.7		15.0			
Methylphenol, 3 & 4	1.3948 1.3582	1.4212 1.3898	1.3911	1.4424	1.3362	Ave		1.3905				2.6		15.0			
Hexachloroethane	0.6982 0.6962	0.6876 0.6982	0.6947	0.7383	0.6724	Ave		0.6979				2.9		15.0			
Nitrobenzene	0.3746 0.3630	0.3635 0.3705	0.3683	0.3759	0.3527	Ave		0.3669				2.2		15.0			
Isophorone	0.6829 0.6804	0.6916 0.7053	0.6895	0.6974	0.6581	Ave		0.6865				2.2		15.0			
2-Nitrophenol	0.2024 0.2097	0.2054 0.2171	0.2115	0.2134	0.2054	Ave		0.2093				2.5		30.0			
2,4-Dimethylphenol	0.3194 0.3070	0.3131 0.3158	0.3156	0.3219	0.3054	Ave		0.3140				1.9		15.0			
Bis(2-chloroethoxy)methane	0.4284 0.4115	0.4240 0.4222	0.4328	0.4292	0.4028	Ave		0.4216				2.5		15.0			
2,4-Dichlorophenol	0.3046 0.3032	0.3082 0.3030	0.3138	0.3138	0.2964	Ave		0.3061				2.0		30.0			
Benzoic acid	0.0138 0.1952	0.0309 0.2174	0.0896	0.1235	0.1598	Ave		0.1186				66.1	*	15.0			
1,2,4-Trichlorobenzene	0.3439 0.3298	0.3369 0.3333	0.3403	0.3410	0.3177	Ave		0.3347				2.7		15.0			
Naphthalene	1.0982 0.9072	1.0787 0.8291	1.0783	1.0566	0.9748	Ave		1.0033				10.3		15.0			
4-Chloroaniline	0.3942 0.4322	0.4544 0.4435	0.4588	0.4631	0.4263	Ave		0.4389				5.5		15.0			
Hexachlorobutadiene	0.1949 0.1955	0.1972 0.1981	0.1992	0.2047	0.1904	Ave		0.1971				2.2		30.0			
Caprolactam	0.0939 0.1095	0.0968 0.1146	0.1059	0.1103	0.1079	Ave		0.1055				7.1		15.0			
4-Chloro-3-methylphenol	0.3108 0.3202	0.3166 0.3310	0.3229	0.3290	0.3120	Ave		0.3204				2.5		30.0			
2,4,5-Trichlorotoluene	1.2091 1.2571	1.2917 1.2768	1.2515	1.3303	1.2085	Ave		1.2607				3.5		15.0			
2-Methylnaphthalene	0.7502 0.6814	0.7449 0.6836	0.7416	0.7438	0.6768	Ave		0.7175				4.8		15.0			
Hexachlorocyclopentadiene	0.1737 0.3377	0.2253 0.3396	0.2822	0.3255	0.3252	Lin	0.0718	0.3448			0.0500			15.0	0.9998		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.2640 0.2654	0.2112 0.2726	0.2661	0.2186	0.2576	Ave		0.2508				10.0		15.0			
2,4,6-Trichlorophenol	0.3514 0.3769	0.3440 0.3842	0.3620	0.3780	0.3594	Ave		0.3651				4.1		30.0			
2,4,5-Trichlorophenol	0.3544 0.3917	0.3647 0.4041	0.3703	0.3922	0.3781	Ave		0.3793				4.6		15.0			
1,1'-Biphenyl	1.4708 1.2116	1.4334 1.0836	1.4260	1.4484	1.2991	Ave		1.3390				10.9		15.0			
2-Chloronaphthalene	1.1505 1.0327	1.1252 1.0279	1.1195	1.1408	1.0333	Ave		1.0900				5.1		15.0			
2-Nitroaniline	0.3651 0.3738	0.3577 0.3858	0.3760	0.3854	0.3591	Ave		0.3718				3.1		15.0			
Dimethyl phthalate	1.2880 1.2623	1.2883 1.3068	1.2889	1.3312	1.2448	Ave		1.2872				2.2		15.0			
2,6-Dinitrotoluene	0.2978 0.3136	0.3082 0.3282	0.3143	0.3221	0.3117	Ave		0.3137				3.1		15.0			
Acenaphthylene	1.9260 1.6346	1.9073 1.4482	1.9268	1.9285	1.7670	Ave		1.7912				10.5		15.0			
3-Nitroaniline	0.3270 0.3729	0.3418 0.3852	0.3594	0.3705	0.3581	Ave		0.3593				5.5		15.0			
Acenaphthene	1.2113 1.0945	1.1809 1.1112	1.1716	1.1956	1.1014	Ave		1.1524				4.2		30.0			
2,4-Dinitrophenol	0.0640 0.2023	0.1030 0.2183	0.1524	0.1714	0.1789	Lin	0.3305	0.2310			0.0500			15.0	0.9939		0.9900
4-Nitrophenol	0.1196 0.1700	0.1334 0.1720	0.1466	0.1582	0.1625	Ave		0.1518			0.0500	12.9		15.0			
Dibenzofuran	1.7486 1.4757	1.7210 1.3561	1.6868	1.7165	1.5677	Ave		1.6103				9.2		15.0			
2,4-Dinitrotoluene	0.4170 0.4326	0.4125 0.4435	0.4260	0.4445	0.4233	Ave		0.4285				2.9		15.0			
2,3,4,6-Tetrachlorophenol	0.2445 0.3176	0.2107 0.3351	0.2948	0.2534	0.3027	Lin	0.1300	0.3376						15.0	0.9949		0.9900
Diethyl phthalate	1.4064 1.3165	1.3893 1.3525	1.3819	1.4183	1.3161	Ave		1.3687				3.0		15.0			
Fluorene	1.4041 1.2597	1.4018 1.2593	1.3918	1.4172	1.2838	Ave		1.3454				5.5		15.0			
4-Chlorophenyl phenyl ether	0.6799 0.6366	0.6640 0.6253	0.6648	0.6827	0.6372	Ave		0.6558				3.5		15.0			
4-Nitroaniline	0.3234 0.3696	0.3336 0.3894	0.3490	0.3674	0.3636	Ave		0.3566				6.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	+++++ 0.1505	0.1091 0.1588	0.1334	0.1420	0.1426	Ave		0.1394				12.3		15.0			
N-Nitrosodiphenylamine	0.5729 0.5418	0.5832 0.5469	0.5798	0.5767	0.5375	Ave		0.5627				3.5		30.0			
1,2-Diphenylhydrazine	0.8584 0.7903	0.8395 0.7370	0.8423	0.8405	0.8031	Ave		0.8159				5.2		15.0			
4-Bromophenyl phenyl ether	0.2166 0.2184	0.2209 0.2243	0.2234	0.2252	0.2135	Ave		0.2203				2.0		15.0			
Hexachlorobenzene	0.2342 0.2295	0.2389 0.2318	0.2310	0.2387	0.2275	Ave		0.2331				1.9		15.0			
Simazine	0.1274 0.1438	0.1306 0.1515	0.1328	0.1380	0.1344	Ave		0.1369				6.1		15.0			
Atrazine	0.1916 0.2180	0.1973 0.2217	0.1964	0.2003	0.2092	Ave		0.2049				5.6		15.0			
Pentachlorophenol	0.0357 0.1299	0.0676 0.1386	0.1046	0.1141	0.1222	Lin	0.2893	0.1464						30.0	0.9975		0.9900
Pentachloronitrobenzene	0.0937 0.0964	0.0767 0.0993	0.0999	0.0806	0.0949	Ave		0.0916				10.0		15.0			
Phenanthrene	1.1853 0.9347	1.1524 0.8672	1.1385	1.1248	1.0384	Ave		1.0630				11.4		15.0			
Anthracene	1.1800 0.9768	1.1868 0.8596	1.1615	1.1599	1.0604	Ave		1.0836				11.5		15.0			
Carbazole	1.1101 0.9831	1.0843 0.9490	1.0728	1.0798	1.0207	Ave		1.0428				5.7		15.0			
Di-n-butyl phthalate	1.3668 1.0694	1.3804 +++++	1.4020	1.3931	1.2067	Ave		1.3031				10.4		15.0			
Fluoranthene	1.2588 1.0423	1.2684 0.9653	1.2582	1.2628	1.1502	Ave		1.1723				10.6		30.0			
Benzidine	0.1610 0.3826	0.2051 0.3408	0.3285	0.3784	0.3425	Lin	0.0383	0.3604						15.0	0.9929		0.9900
Pyrene	1.3033 1.1925	1.2988 1.1580	1.2831	1.2964	1.2237	Ave		1.2508				4.7		15.0			
3,3'-Dimethylbenzidine	0.1878 0.2817	0.1458 0.2328	0.2620	0.3007	0.2910	Ave		0.2431				23.8	*	15.0			
Butyl benzyl phthalate	0.5462 0.6108	0.5442 0.6344	0.5780	0.6013	0.5888	Ave		0.5862				5.7		15.0			
3,3'-Dichlorobenzidine	0.3194 0.3298	0.3180 0.3030	0.3402	0.3461	0.3430	Ave		0.3285				4.8		15.0			
Benzo[a]anthracene	1.1909 1.1213	1.1568 1.1248	1.1627	1.1709	1.1036	Ave		1.1473				2.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	1.1447 1.0215	1.1420 0.9995	1.1265	1.0908	1.0143	Ave		1.0771				5.9		15.0			
Bis(2-ethylhexyl) phthalate	0.6535 0.7334	0.6485 0.7503	0.6750	0.7267	0.7227	Ave		0.7014				5.9		15.0			
Di-n-octyl phthalate	0.8019 1.7582	0.8403 1.9304	0.9888	1.2037	1.4470	Qua	0.1108	0.7160	-0.028					30.0	0.9980		0.9900
Benzo[b]fluoranthene	1.1930 1.4598	1.2090 1.5146	1.2261	1.2834	1.3915	Ave		1.3254				9.8		15.0			
Benzo[k]fluoranthene	1.2077 1.5214	1.2206 1.4695	1.2688	1.3926	1.3812	Ave		1.3517				9.1		15.0			
Benzo[a]pyrene	0.9559 1.0651	0.9595 1.0682	0.9753	1.0445	1.0065	Ave		1.0107				4.8		30.0			
Indeno[1,2,3-cd]pyrene	0.5835 0.6311	0.5790 +++++	0.5423	0.4689	0.4631	Ave		0.5447				12.3		15.0			
Dibenz(a,h)anthracene	0.5480 0.6215	0.5314 +++++	0.5236	0.4788	0.4602	Ave		0.5272				10.8		15.0			
Benzo[g,h,i]perylene	0.5645 0.6572	0.5482 0.8185	0.5010	0.4362	0.4518	Qua	0.0155	2.2339	-0.315					15.0	0.9925		0.9900
2-Fluorophenol	1.1098 1.1404	1.1197 1.1813	1.1249	1.1914	1.0909	Ave		1.1369				3.3		15.0			
Phenol-d5	1.5835 1.5536	1.5836 1.6145	1.5602	1.6539	1.5197	Ave		1.5813				2.8		15.0			
Nitrobenzene-d5	0.3637 0.3632	0.3622 0.3735	0.3680	0.3717	0.3477	Ave		0.3643				2.3		15.0			
2-Fluorobiphenyl	1.2752 1.1830	1.2546 1.1688	1.2562	1.2794	1.1526	Ave		1.2242				4.4		15.0			
2,4,6-Tribromophenol	0.1625 0.1880	0.1723 0.1937	0.1796	0.1903	0.1811	Ave		0.1811				6.0		15.0			
Terphenyl-d14	0.8329 0.8624	0.8470 0.8574	0.8538	0.8555	0.8239	Ave		0.8476				1.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53686/2	C24671.D
Level 2	IC 220-53686/3	C24672.D
Level 3	IC 220-53686/4	C24673.D
Level 4	IC 220-53686/5	C24674.D
Level 5	ICIS 220-53686/1	C24670.D
Level 6	IC 220-53686/6	C24675.D
Level 7	IC 220-53686/7	C24676.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	26050 714811	50545 930053	128539	268800	514025	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	32385 933700	65168 1238534	171186	352839	667967	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	71668 1886937	142115 2339732	369723	754128	1331273	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	6391 580289	13045 590325	121758	351167	537197	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	134284 4097864	289381 5402327	753570	1578042	2879887	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	133531 3636892	271204 4845171	683672	1432293	2553173	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	98068 2698618	194938 3627095	498273	993163	1862878	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	114240 3118306	226960 4087057	582856	1201470	2202143	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	128279 3502844	254102 4605023	642803	1346296	2422564	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	133031 3555129	260926 4659421	669149	1383819	2497792	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	125708 3344878	253289 4345424	635798	1315469	2362160	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	63754 2040463	138228 2677120	372596	751678	1433027	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	216047 5543256	436383 7235493	1095802	2231563	4050736	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	102886 2815614	209853 3695324	521835	1088778	1965043	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	140070 3955539	284782 5230439	721435	1509606	2739371	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	84437 2367451	171043 3050196	430013	899405	1637692	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Methylphenol, 3 & 4	DCB	Ave	108080 2983410	221220 3890320	551667	1141186	2110001	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	54105 1529361	107026 1954392	275490	584111	1061771	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	120037 3343004	235908 4383154	605202	1274310	2323124	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	218832 6265923	448784 8344477	1133003	2363870	4335074	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	64851 1931007	133264 2568638	347464	723457	1353127	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	102347 2827190	203196 3736708	518560	1091189	2011592	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	137278 3789216	275165 4995789	711259	1454855	2653335	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dichlorophenol	NPT	Ave	97614 2792561	199975 3585432	515584	1063574	1952533	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Ave	11081 1798065	50099 2571732	368042	628008	1052893	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	110207 3036929	218621 3943228	559147	1156012	2092549	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	351901 8354983	700041 9809869	1771973	3581671	6421157	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	126298 3980376	294895 5247003	753879	1569916	2808066	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	62442 1800693	127941 2343425	327253	693964	1254317	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	30072 1008002	62814 1355961	174080	373798	710555	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	99598 2949079	205441 3916523	530646	1115312	2055286	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	93691 2761318	201065 3573925	496324	1052495	1908281	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	240377 6275012	483385 8088547	1218555	2521208	4457823	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Lin	34508 1944454	92754 2505941	293726	686679	1349016	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	52438 1528311	108674 2011505	276921	576495	1068417	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	69789 2170413	141635 2835088	376799	797437	1490575	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	175962 2255417	375431 2982480	963445	1241145	1568136	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	292149 6977054	590167 7997250	1484156	3055771	5388565	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	228516 5946767	463276 7585651	1165082	2406700	4286172	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	72523 2152417	147259 2847167	391370	813141	1489487	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	255838 7268965	530412 9644357	1341386	2808512	5163189	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	59145 1805841	126902 2422189	327072	679471	1292842	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	382554 9412782	785275 10687970	2005338	4068457	7329407	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	64950 2147506	140748 2842544	374095	781701	1485260	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	240609 6302531	486223 8201049	1219393	2522251	4568459	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Lin	31768 1165176	106071 1610764	396657	542545	742252	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Ave	59375 978729	137309 1269548	381317	500718	674177	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	347321 8497742	708567 10007992	1755550	3621233	6502806	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	82834 2491059	169853 3273108	443312	937794	1755648	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Lin	48560 1828690	108444 2473049	306849	668336	1255501	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	279353 7580724	572014 9981238	1438205	2992158	5458998	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	278903 7253927	577180 9293561	1448568	2989860	5325028	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	135039 3665823	273375 4615052	691845	1440299	2642821	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	64228 2128332	137363 2873475	363258	775176	1508216	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 1520917	192105 2087274	602882	795862	1040643	+++++ 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	199799 5475102	410676 7187058	1048286	2154477	3921781	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	299376 7985527	591193 9684312	1522855	3139997	5859117	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	75550 2206427	155523 2948014	403951	841400	1557878	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	81681 2318707	168265 3046136	417691	891638	1659687	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	44419 1453451	91951 1990641	240062	515420	980506	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Atrazine	PHN	Ave	66837 2202583	138917 2912738	355165	748201	1526201	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Lin	31123 1312893	119020 1821834	472594	639365	891584	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	32671 974093	67495 1305009	180601	376587	692233	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	413376 9445136	811487 11395262	2058472	4201983	7575798	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	411551 9870394	835764 11295684	2099946	4332952	7736578	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	387143 9934142	763530 12470527	1939678	4033830	7446804	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	476675 10805836	972094 +++++	2534795	5204119	8803851	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Fluoranthene	PHN	Ave	439024 10532044	893176 12684920	2274807	4717497	8391520	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Lin	56315 3500848	144358 3872515	594915	1399563	2382586	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	455968 10910525	914397 13159665	2323924	4795151	8512951	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	65712 2577185	102638 2645177	474525	1112163	2024529	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	191095 5588452	383095 7209328	1046771	2224113	4096062	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	111756 3017769	223872 3443075	616133	1280103	2386420	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	416652 10259107	814409 12782213	2105902	4330807	7677908	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	400483 9346070	804007 11358465	2040313	4034779	7056579	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	228631 6710363	456555 8526017	1222511	2687772	5027629	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Qua	222006 7523167	462787 9149683	1355085	3020548	5595697	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	330279 6246411	665828 7179215	1680239	3220535	5381377	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53686

SDG No.:

Instrument ID: MSC GC Column: ZB-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2011 09:23 Calibration End Date: 08/05/2011 12:26 Calibration ID: 11721

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	334349 6510080	672205 6965258	1738715	3494652	5341470	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	264645 4557384	528425 5063237	1336578	2621080	3892192	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	161554 2700574	318872 +++++	743156	1176749	1790965	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	151720 2659192	292677 +++++	717505	1201443	1779499	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Qua	156271 2811893	301885 3879646	686576	1094513	1747279	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	85996 2504950	174287 3306482	446123	942586	1722614	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	122706 3412653	246486 4519256	618715	1308507	2399827	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	116529 3345138	235070 4418879	604785	1259861	2290474	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	253283 6811849	516553 8625968	1307450	2699100	4780646	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	80689 1082734	177359 1429470	467390	602086	751270	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	291406 7890533	596297 9743961	1546436	3164415	5731682	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24670.D
Lab Smp Id: ICIS-648163 Client Smp ID: ICIS-648163
Inj Date : 05-AUG-2011 09:23
Operator : S.Jonas Inst ID: msc.i
Smp Info : ICIS-648163
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:59 msc.i Quant Type: ISTD
Cal Date : 05-AUG-2011 12:26 Cal File: C24676.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.683	4.683	(1.000)	789550	20.0000	
$ 2	2-Fluorophenol	112	3.241	3.241	(0.692)	1722614	40.0000	38
$ 3	Phenol-d5	99	4.380	4.380	(0.935)	2399827	40.0000	38
4	Pyridine	52	1.478	1.478	(0.316)	667967	40.0000	39
5	N-Nitrosodimethylamine	42	1.472	1.472	(0.314)	514025	40.0000	39
6	Cyclohexanone	42	3.449	3.449	(0.736)	1331273	40.0000	38
128	Benzaldehyde	77	4.202	4.202	(0.897)	537197	40.0000	55
7	Phenol	94	4.398	4.398	(0.939)	2553173	40.0000	38
8	Aniline	93	4.339	4.339	(0.926)	2879887	40.0000	39
9	bis(2-Chloroethyl)ether	63	4.440	4.440	(0.948)	1862878	40.0000	38
10	2-Chlorophenol	128	4.469	4.469	(0.954)	2202143	40.0000	38
11	1,3-Dichlorobenzene	146	4.618	4.618	(0.986)	2422564	40.0000	38
12	1,4-Dichlorobenzene	146	4.701	4.701	(1.004)	2497792	40.0000	38
13	Benzyl alcohol	108	4.879	4.879	(1.042)	1433027	40.0000	40
14	1,2-Dichlorobenzene	146	4.861	4.861	(1.038)	2362160	40.0000	38
15	2,2'-oxybis(1-Chloropropane)	45	5.021	5.021	(1.072)	4050736	40.0000	38
16	2-Methylphenol	108	5.033	5.033	(1.075)	1965043	40.0000	38
92	Acetophenone	105	5.146	5.146	(1.099)	2739371	40.0000	38
17	Hexachloroethane	117	5.217	5.217	(1.114)	1061771	40.0000	39
18	N-Nitroso-di-n-propylamine	70	5.170	5.170	(1.104)	1637692	40.0000	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.199	5.199	(1.110)	2110001	40.0000	38
*	20 Naphthalene-d8	136	6.042	6.042	(1.000)	3293426	20.0000	
$	21 Nitrobenzene-d5	82	5.294	5.294	(0.876)	2290474	40.0000	38
	22 Nitrobenzene	77	5.312	5.312	(0.879)	2323124	40.0000	38
	23 Isophorone	82	5.579	5.579	(0.923)	4335074	40.0000	38
	24 2-Nitrophenol	139	5.650	5.650	(0.935)	1353127	40.0000	39
	25 2,4-Dimethylphenol	122	5.751	5.751	(0.952)	2011592	40.0000	39
	26 Benzoic Acid	122	5.941	5.941	(0.983)	1052893	40.0000	54(M)
	27 Bis(2-Chloroethoxy)methane	93	5.834	5.834	(0.966)	2653335	40.0000	38
	28 2,4-Dichlorophenol	162	5.924	5.924	(0.980)	1952533	40.0000	39
	29 1,2,4-Trichlorobenzene	180	5.995	5.995	(0.992)	2092549	40.0000	38
	30 Naphthalene	128	6.066	6.066	(1.004)	6421157	40.0000	39
	31 4-Chloroaniline	127	6.149	6.149	(1.018)	2808066	40.0000	39
	32 Hexachlorobutadiene	225	6.220	6.220	(1.029)	1254317	40.0000	39
	129 Caprolactam	113	6.565	6.565	(1.086)	710555	40.0000	41(M)
	33 4-Chloro-3-methylphenol	107	6.707	6.707	(1.110)	2055286	40.0000	39
	34 2-Methylnaphthalene	142	6.808	6.808	(1.127)	4457823	40.0000	38
*	35 Acenaphthene-d10	164	7.900	7.900	(1.000)	2073935	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.772	6.772	(1.446)	1908281	40.0000	38
	37 Hexachlorocyclopentadiene	237	6.986	6.986	(0.884)	1349016	40.0000	39
	38 2,4,6-Trichlorophenol	196	7.122	7.122	(0.902)	1490575	40.0000	39
	39 2,4,5-Trichlorophenol	196	7.170	7.170	(0.908)	1568136	40.0000	40
$	40 2-Fluorobiphenyl	172	7.211	7.211	(0.913)	4780646	40.0000	38
	130 1,1'-Biphenyl	154	7.306	7.306	(0.925)	5388565	40.0000	39
	41 2-Chloronaphthalene	162	7.318	7.318	(0.926)	4286172	40.0000	38
	42 2-Nitroaniline	65	7.443	7.443	(0.942)	1489487	40.0000	39
	43 Acenaphthylene	152	7.752	7.752	(0.981)	7329407	40.0000	39
	44 Dimethylphthalate	163	7.657	7.657	(0.969)	5163189	40.0000	39
	45 2,6-Dinitrotoluene	165	7.710	7.710	(0.976)	1292842	40.0000	40
	46 Acenaphthene	153	7.936	7.936	(1.004)	4568459	40.0000	38
	47 3-Nitroaniline	138	7.882	7.882	(0.998)	1485260	40.0000	40
	48 2,4-Dinitrophenol	184	7.995	7.995	(1.012)	742252	40.0000	38
	49 Dibenzofuran	168	8.120	8.120	(1.028)	6502806	40.0000	39
	50 2,4-Dinitrotoluene	165	8.131	8.131	(1.029)	1755648	40.0000	40
	51 4-Nitrophenol	109	8.102	8.102	(1.026)	674177	40.0000	43
	52 Fluorene	166	8.482	8.482	(1.074)	5325028	40.0000	38
	53 4-Chlorophenyl-phenylether	204	8.494	8.494	(1.075)	2642821	40.0000	39
	54 Diethylphthalate	149	8.404	8.404	(1.064)	5458998	40.0000	38
	55 4-Nitroaniline	138	8.535	8.535	(1.080)	1508216	40.0000	41
$	56 2,4,6-Tribromophenol	330	8.743	8.743	(1.107)	751270	40.0000	40
*	57 Phenanthrene-d10	188	9.461	9.461	(1.000)	3647970	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.571	8.571	(0.906)	1040643	40.0000	41
	59 N-Nitrosodiphenylamine (1)	169	8.630	8.630	(0.912)	3921781	40.0000	38
	60 1,2-Diphenylhydrazine	77	8.660	8.660	(0.915)	5859117	40.0000	39
	61 4-Bromophenyl-phenylether	248	9.004	9.004	(0.952)	1557878	40.0000	39
	131 Atrazine	200	9.218	9.218	(0.974)	1526201	40.0000	41
	62 Hexachlorobenzene	284	9.069	9.069	(0.959)	1659687	40.0000	39
	63 Pentachlorophenol	266	9.283	9.283	(0.981)	891584	40.0000	39
	64 Phenanthrene	178	9.491	9.491	(1.003)	7575798	40.0000	39
	65 Carbazole	167	9.728	9.728	(1.028)	7446804	40.0000	39
	66 Anthracene	178	9.544	9.544	(1.009)	7736578	40.0000	39
	67 Di-n-butylphthalate	149	10.114	10.114	(1.069)	8803851	40.0000	37
	68 Fluoranthene	202	10.743	10.743	(1.136)	8391520	40.0000	39
*	70 Chrysene-d12	240	12.310	12.310	(1.000)	3478456	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.891	10.891	(0.885)	2382586	40.0000	39
72	Pyrene	202	10.980	10.980	(0.892)	8512951	40.0000	39
$ 73	Terphenyl-d14	244	11.158	11.158	(0.906)	5731682	40.0000	39
74	Butylbenzylphthalate	149	11.681	11.681	(0.949)	4096062	40.0000	40
124	3,3'-Dimethylbenzidine	212	11.657	11.657	(0.947)	2024529	40.0000	48
75	3,3'-Dichlorobenzidine	252	12.274	12.274	(0.997)	2386420	40.0000	42
76	Benzo(a)anthracene	228	12.292	12.292	(0.999)	7677908	40.0000	38
77	Chrysene	228	12.346	12.346	(1.003)	7056579	40.0000	38
78	Bis(2-Ethylhexyl)phthalate	149	12.357	12.357	(1.004)	5027629	40.0000	41
* 79	Perylene-d12	264	14.393	14.393	(1.000)	1933596	20.0000	
80	Di-n-octylphthalate	149	13.230	13.230	(0.919)	5595697	40.0000	39
81	Benzo(b)fluoranthene	252	13.788	13.788	(0.958)	5381377	40.0000	42
82	Benzo(k)fluoranthene	252	13.829	13.829	(0.961)	5341470	40.0000	41
83	Benzo(a)pyrene	252	14.304	14.304	(0.994)	3892192	40.0000	40
84	Indeno(1,2,3-cd)pyrene	276	16.334	16.334	(1.135)	1790965	40.0000	34
85	Dibenzo(a,h)anthracene	278	16.382	16.382	(1.138)	1779499	40.0000	35
86	Benzo(g,h,i)perylene	276	16.844	16.844	(1.170)	1747279	40.0000	36
167	Simazine	201	9.188	9.188	(0.971)	980506	40.0000	39
103	1,2,4,5-Tetrachlorobenzene	216	6.986	6.986	(0.884)	1068417	40.0000	41
109	2,3,4,6-Tetrachlorophenol	232	8.268	8.268	(1.047)	1255501	40.0000	38
119	Pentachloronitrobenzene	237	9.301	9.301	(0.983)	692233	40.0000	41

QC Flag Legend

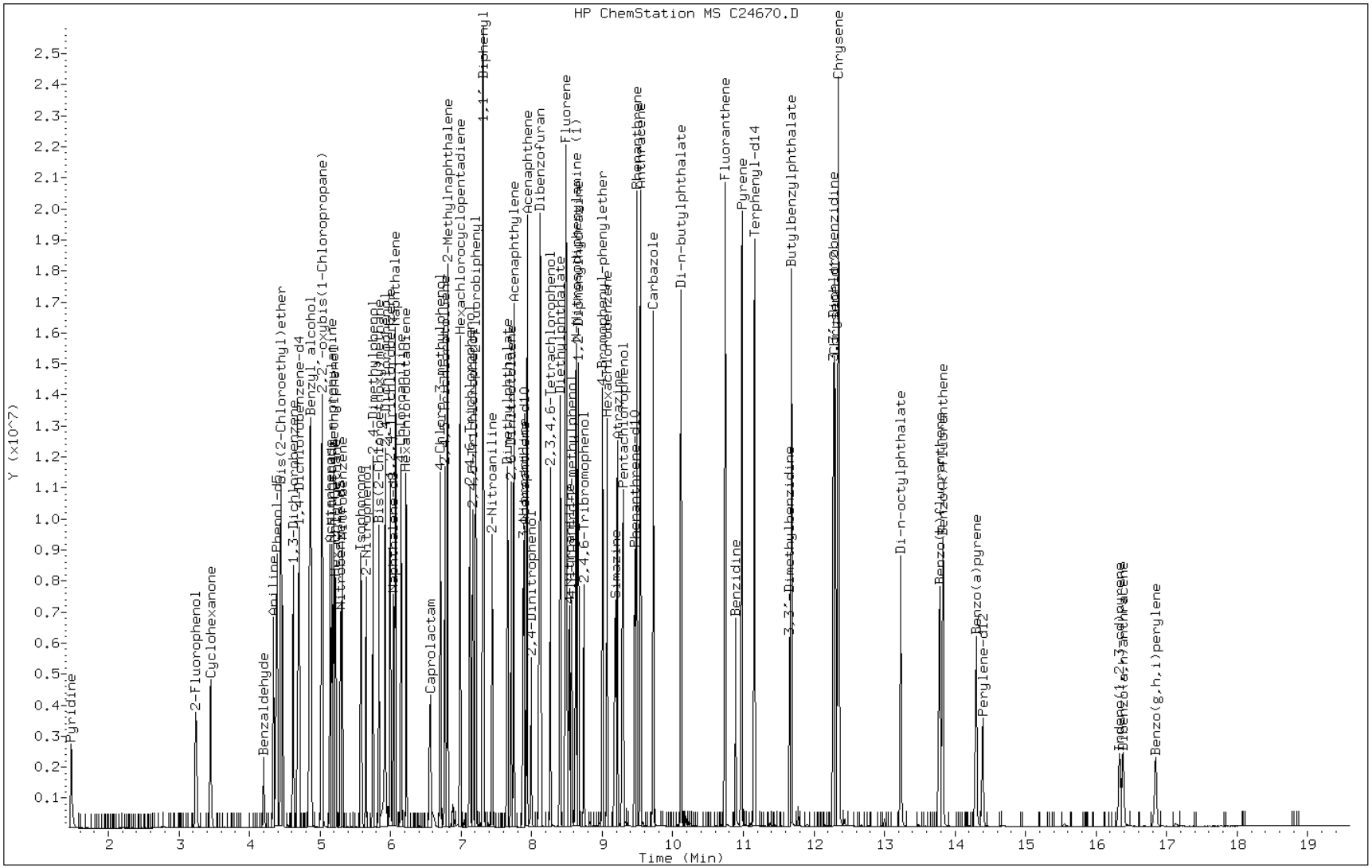
M - Compound response manually integrated.

Data File: C24670.D

Date: 05-AUG-2011 09:23

Client ID: ICIS-648163 Instrument: msc.i

Sample Info: ICIS-648163 Operator: S.Jonas



Manual Integration Report

Data File: C24670.D
Inj. Date and Time: 05-AUG-2011 09:23
Instrument ID: msc.i
Client ID: ICIS-648163
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/08/2011

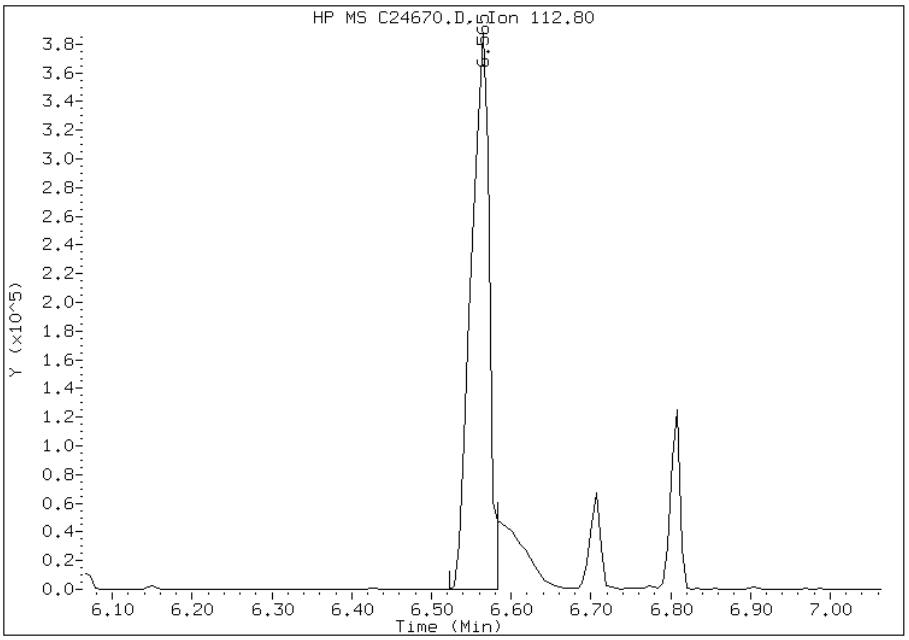
Processing Integration Results

RT: 6.57

Response: 611622

Amount: 40

Conc: 40



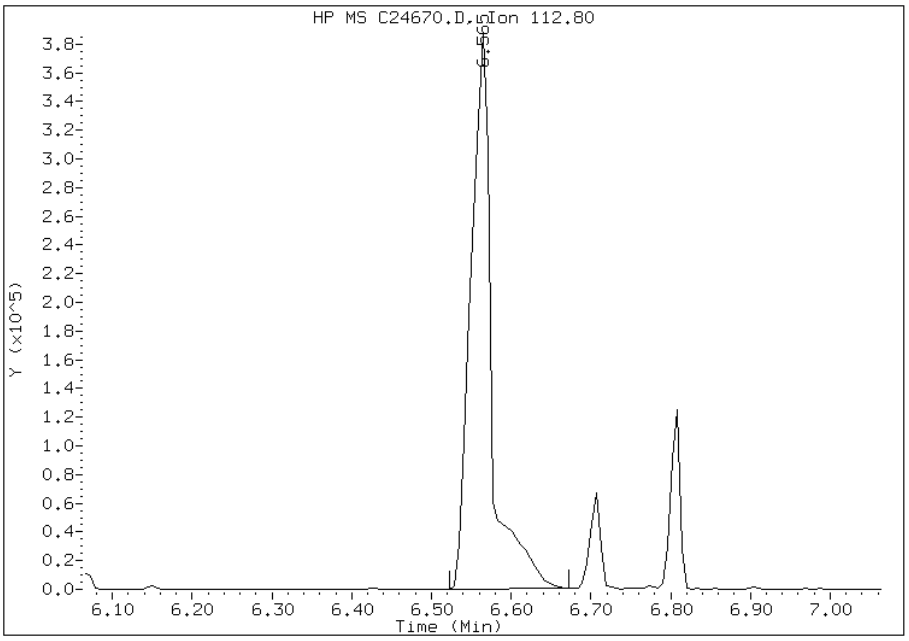
Manual Integration Results

RT: 6.57

Response: 710555

Amount: 41

Conc: 41



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24670.D
Inj. Date and Time: 05-AUG-2011 09:23
Instrument ID: msc.i
Client ID: ICIS-648163
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/08/2011

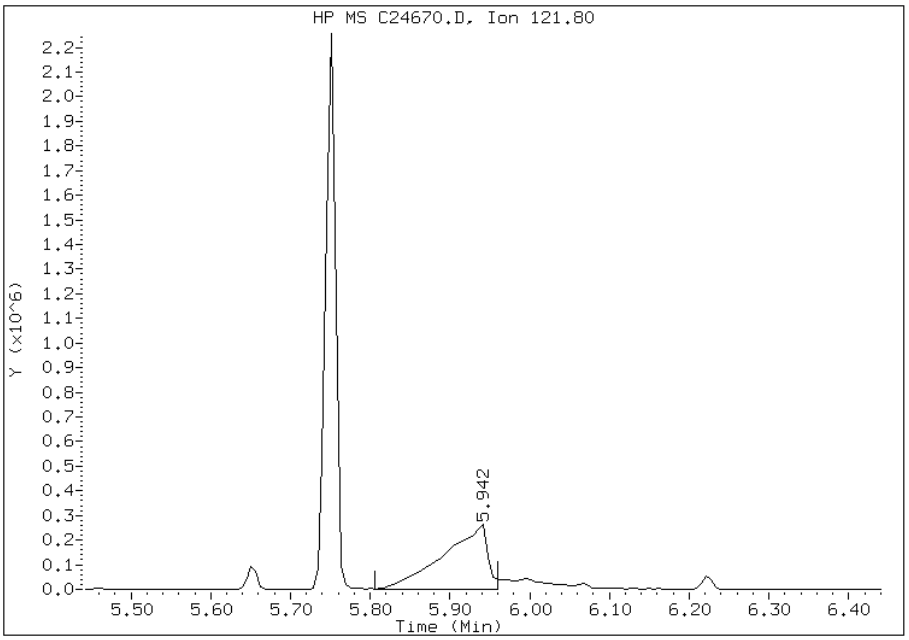
Processing Integration Results

RT: 5.94

Response: 992440

Amount: 40

Conc: 40



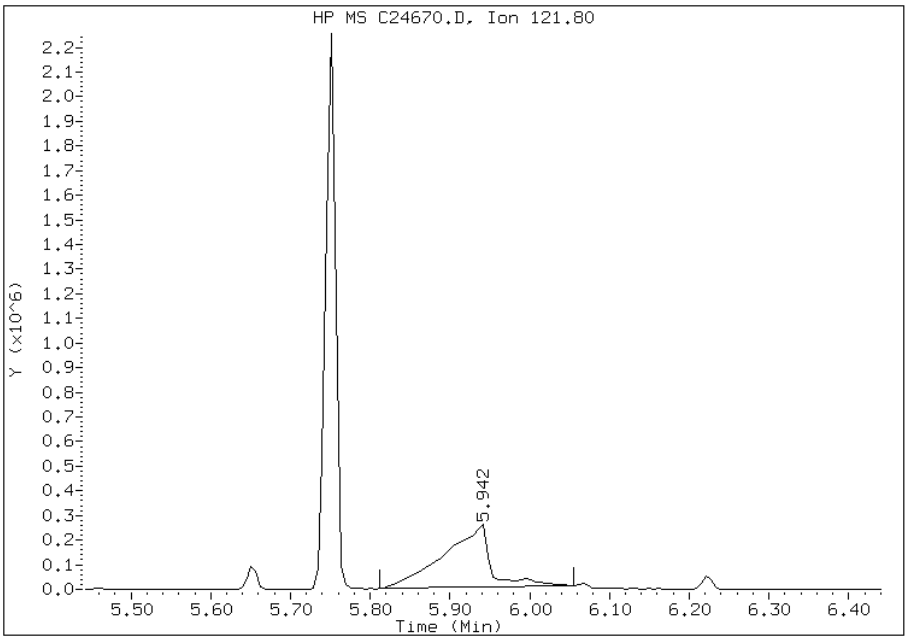
Manual Integration Results

RT: 5.94

Response: 1052893

Amount: 54

Conc: 54



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24671.D
Lab Smp Id: IC-649840 Client Smp ID: IC-649840
Inj Date : 05-AUG-2011 09:53
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649840
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:12 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 09:53 Cal File: C24671.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.683	4.683	(1.000)	774890	20.0000	
$ 2	2-Fluorophenol	112	3.241	3.241	(0.692)	85996	2.00000	2
$ 3	Phenol-d5	99	4.368	4.368	(0.933)	122706	2.00000	2
5	N-Nitrosodimethylamine	42	1.484	1.484	(0.317)	26050	2.00000	2
6	Cyclohexanone	42	3.454	3.454	(0.738)	71668	2.00000	2
7	Phenol	94	4.380	4.380	(0.935)	133531	2.00000	2
8	Aniline	93	4.339	4.339	(0.926)	134284	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.434	4.434	(0.947)	98068	2.00000	2
10	2-Chlorophenol	128	4.463	4.463	(0.953)	114240	2.00000	2
11	1,3-Dichlorobenzene	146	4.618	4.618	(0.986)	128279	2.00000	2
12	1,4-Dichlorobenzene	146	4.701	4.701	(1.004)	133031	2.00000	2
13	Benzyl alcohol	108	4.861	4.861	(1.038)	63754	2.00000	2
14	1,2-Dichlorobenzene	146	4.861	4.861	(1.038)	125708	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.021	5.021	(1.072)	216047	2.00000	2
16	2-Methylphenol	108	5.015	5.015	(1.071)	102886	2.00000	2
92	Acetophenone	105	5.128	5.128	(1.095)	140070	2.00000	2
17	Hexachloroethane	117	5.217	5.217	(1.114)	54105	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.152	5.152	(1.100)	84437	2.00000	2
19	4-Methylphenol	108	5.188	5.188	(1.108)	108080	2.00000	2
* 20	Naphthalene-d8	136	6.036	6.036	(1.000)	3204222	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	21 Nitrobenzene-d5	82	5.282	5.282	(0.875)	116529	2.00000	2
	22 Nitrobenzene	77	5.300	5.300	(0.878)	120037	2.00000	2
	23 Isophorone	82	5.567	5.567	(0.922)	218832	2.00000	2
	24 2-Nitrophenol	139	5.645	5.645	(0.935)	64851	2.00000	2
	25 2,4-Dimethylphenol	122	5.739	5.739	(0.951)	102347	2.00000	2
	27 Bis(2-Chloroethoxy)methane	93	5.823	5.823	(0.965)	137278	2.00000	2
	28 2,4-Dichlorophenol	162	5.912	5.912	(0.979)	97614	2.00000	2
	29 1,2,4-Trichlorobenzene	180	5.989	5.989	(0.992)	110207	2.00000	2
	30 Naphthalene	128	6.060	6.060	(1.004)	351901	2.00000	2
	31 4-Chloroaniline	127	6.143	6.143	(1.018)	126298	2.00000	2
	32 Hexachlorobutadiene	225	6.220	6.220	(1.030)	62442	2.00000	2
	129 Caprolactam	113	6.470	6.470	(1.072)	30072	2.00000	2
	33 4-Chloro-3-methylphenol	107	6.689	6.689	(1.108)	99598	2.00000	2
	34 2-Methylnaphthalene	142	6.796	6.796	(1.126)	240377	2.00000	2
*	35 Acenaphthene-d10	164	7.894	7.894	(1.000)	1986289	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.766	6.766	(1.445)	93691	2.00000	2
	37 Hexachlorocyclopentadiene	237	6.980	6.980	(0.884)	34508	2.00000	1
	38 2,4,6-Trichlorophenol	196	7.116	7.116	(0.902)	69789	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.152	7.152	(0.906)	175962	5.00000	5
$	40 2-Fluorobiphenyl	172	7.200	7.200	(0.912)	253283	2.00000	2
	130 1,1'-Biphenyl	154	7.300	7.300	(0.925)	292149	2.00000	2
	41 2-Chloronaphthalene	162	7.306	7.306	(0.926)	228516	2.00000	2
	42 2-Nitroaniline	65	7.431	7.431	(0.941)	72523	2.00000	2
	43 Acenaphthylene	152	7.740	7.740	(0.980)	382554	2.00000	2
	44 Dimethylphthalate	163	7.639	7.639	(0.968)	255838	2.00000	2
	45 2,6-Dinitrotoluene	165	7.692	7.692	(0.974)	59145	2.00000	2
	46 Acenaphthene	153	7.924	7.924	(1.004)	240609	2.00000	2
	47 3-Nitroaniline	138	7.864	7.864	(0.996)	64950	2.00000	2
	49 Dibenzofuran	168	8.108	8.108	(1.027)	347321	2.00000	2
	50 2,4-Dinitrotoluene	165	8.120	8.120	(1.029)	82834	2.00000	2
	51 4-Nitrophenol	109	8.084	8.084	(1.024)	59375	5.00000	4
	52 Fluorene	166	8.470	8.470	(1.073)	278903	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.488	8.488	(1.075)	135039	2.00000	2
	54 Diethylphthalate	149	8.387	8.387	(1.062)	279353	2.00000	2
	55 4-Nitroaniline	138	8.499	8.499	(1.077)	64228	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.725	8.725	(1.105)	80689	5.00000	5
*	57 Phenanthrene-d10	188	9.455	9.455	(1.000)	3487576	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.904)	74125	5.00000	3
	59 N-Nitrosodiphenylamine (1)	169	8.612	8.612	(0.911)	199799	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.648	8.648	(0.915)	299376	2.00000	2
	61 4-Bromophenyl-phenylether	248	8.992	8.992	(0.951)	75550	2.00000	2
	131 Atrazine	200	9.188	9.188	(0.972)	66837	2.00000	2
	62 Hexachlorobenzene	284	9.057	9.057	(0.958)	81681	2.00000	2
	63 Pentachlorophenol	266	9.271	9.271	(0.981)	31123	5.00000	2
	64 Phenanthrene	178	9.479	9.479	(1.002)	413376	2.00000	2
	65 Carbazole	167	9.710	9.710	(1.027)	387143	2.00000	2
	66 Anthracene	178	9.532	9.532	(1.008)	411551	2.00000	2
	67 Di-n-butylphthalate	149	10.108	10.108	(1.069)	476675	2.00000	2
	68 Fluoranthene	202	10.731	10.731	(1.135)	439024	2.00000	2
*	70 Chrysene-d12	240	12.292	12.292	(1.000)	3498485	20.0000	
	72 Pyrene	202	10.963	10.963	(0.892)	455968	2.00000	2
$	73 Terphenyl-d14	244	11.147	11.147	(0.907)	291406	2.00000	2
	74 Butylbenzylphthalate	149	11.669	11.669	(0.949)	191095	2.00000	2
	75 3,3'-Dichlorobenzidine	252	12.256	12.256	(0.997)	111756	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
76	Benzo(a)anthracene	228	12.280	12.280	(0.999)	416652	2.00000	2
77	Chrysene	228	12.322	12.322	(1.002)	400483	2.00000	2
78	Bis(2-Ethylhexyl)phthalate	149	12.345	12.345	(1.004)	228631	2.00000	2
* 79	Perylene-d12	264	14.387	14.387	(1.000)	2768535	20.0000	
80	Di-n-octylphthalate	149	13.224	13.224	(0.919)	222006	2.00000	2
81	Benzo(b)fluoranthene	252	13.758	13.758	(0.956)	330279	2.00000	2(H)
82	Benzo(k)fluoranthene	252	13.800	13.800	(0.959)	334349	2.00000	2
83	Benzo(a)pyrene	252	14.280	14.280	(0.993)	264645	2.00000	2
84	Indeno(1,2,3-cd)pyrene	276	16.310	16.310	(1.134)	161554	2.00000	2
85	Dibenzo(a,h)anthracene	278	16.358	16.358	(1.137)	151720	2.00000	2
86	Benzo(g,h,i)perylene	276	16.821	16.821	(1.169)	156271	2.00000	2
167	Simazine	201	9.152	9.152	(0.968)	44419	2.00000	4(H)
103	1,2,4,5-Tetrachlorobenzene	216	6.980	6.980	(0.884)	52438	2.00000	2
109	2,3,4,6-Tetrachlorophenol	232	8.256	8.256	(1.046)	48560	2.00000	2
119	Pentachloronitrobenzene	237	9.283	9.283	(0.982)	32671	2.00000	2

QC Flag Legend

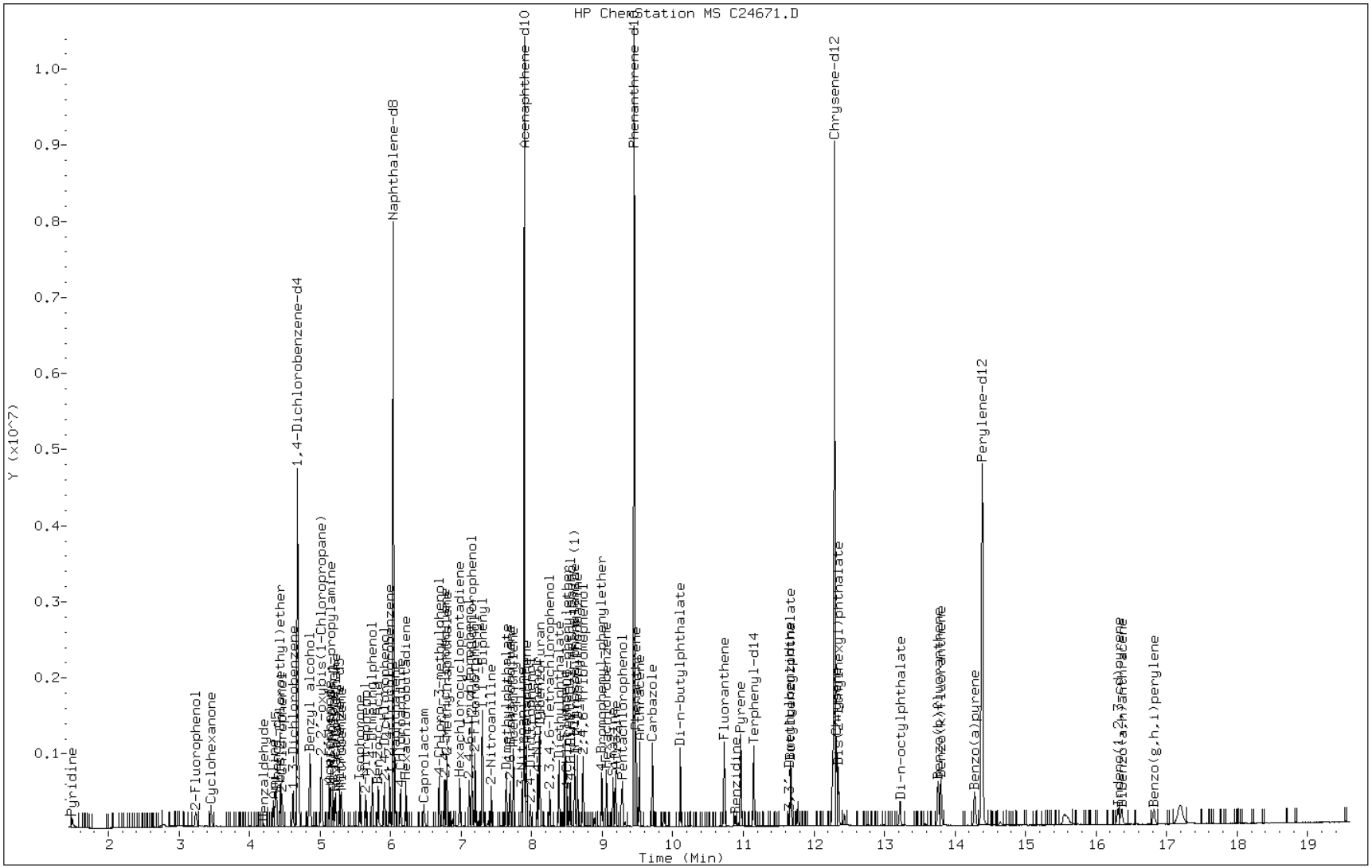
H - Operator selected an alternate compound hit.

Data File: C24671.D

Date: 05-AUG-2011 09:53

Client ID: IC-649840 Instrument: msc.i

Sample Info: IC-649840 Operator: S.Jonas



Manual Integration Report

Data File: C24671.D
Inj. Date and Time: 05-AUG-2011 09:53
Instrument ID: msc.i
Client ID: IC-649840
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/08/2011

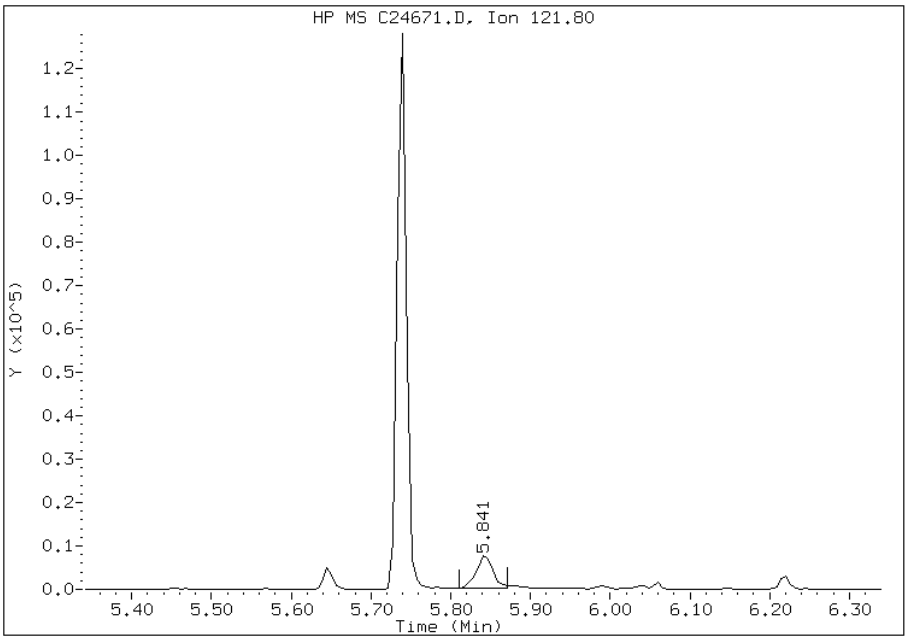
Processing Integration Results

RT: 5.84

Response: 11081

Amount: 1

Conc: 1



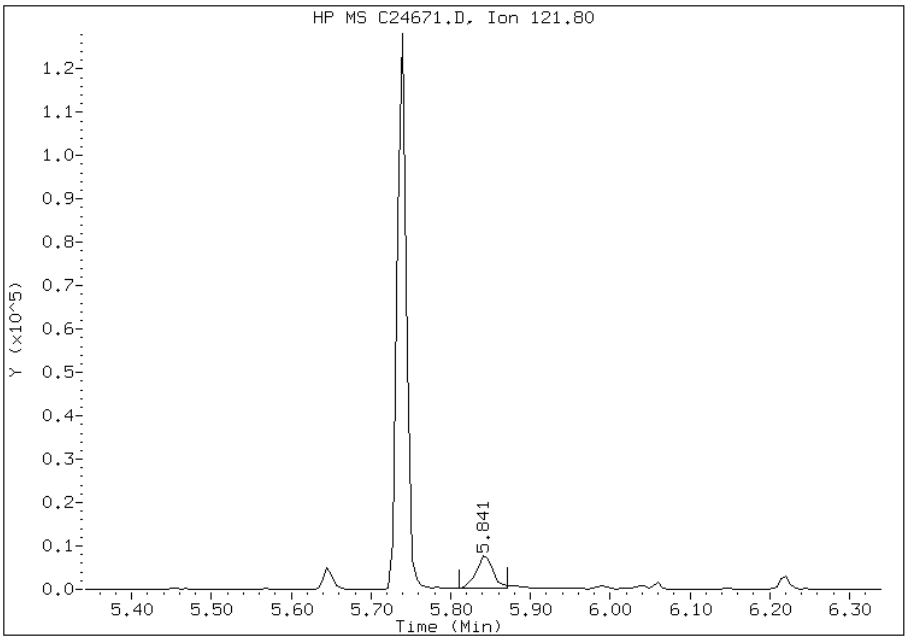
Manual Integration Results

RT: 5.84

Response: 11081

Amount: 1

Conc: 1



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24672.D
Lab Smp Id: IC-649841 Client Smp ID: IC-649841
Inj Date : 05-AUG-2011 10:24
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649841
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:12 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 10:24 Cal File: C24672.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.683	4.683	(1.000)	778267	20.0000	
$ 2	2-Fluorophenol	112	3.241	3.241	(0.692)	174287	4.00000	4
$ 3	Phenol-d5	99	4.368	4.368	(0.933)	246486	4.00000	4
4	Pyridine	52	1.484	1.484	(0.317)	65168	4.00000	4
5	N-Nitrosodimethylamine	42	1.478	1.478	(0.316)	50545	4.00000	4
6	Cyclohexanone	42	3.448	3.448	(0.736)	142115	4.00000	4
128	Benzaldehyde	77	4.208	4.208	(0.899)	13045	4.00000	1
7	Phenol	94	4.380	4.380	(0.935)	271204	4.00000	4
8	Aniline	93	4.339	4.339	(0.926)	289381	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.434	4.434	(0.947)	194938	4.00000	4
10	2-Chlorophenol	128	4.463	4.463	(0.953)	226960	4.00000	4
11	1,3-Dichlorobenzene	146	4.618	4.618	(0.986)	254102	4.00000	4
12	1,4-Dichlorobenzene	146	4.701	4.701	(1.004)	260926	4.00000	4
13	Benzyl alcohol	108	4.867	4.867	(1.039)	138228	4.00000	4
14	1,2-Dichlorobenzene	146	4.861	4.861	(1.038)	253289	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.021	5.021	(1.072)	436383	4.00000	4
16	2-Methylphenol	108	5.021	5.021	(1.072)	209853	4.00000	4
92	Acetophenone	105	5.134	5.134	(1.096)	284782	4.00000	4
17	Hexachloroethane	117	5.217	5.217	(1.114)	107026	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.152	5.152	(1.100)	171043	4.00000	4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.187	5.187	(1.108)	221220	4.00000	4
*	20 Naphthalene-d8	136	6.042	6.042	(1.000)	3244740	20.0000	
$	21 Nitrobenzene-d5	82	5.282	5.282	(0.874)	235070	4.00000	4
	22 Nitrobenzene	77	5.306	5.306	(0.878)	235908	4.00000	4
	23 Isophorone	82	5.567	5.567	(0.921)	448784	4.00000	4
	24 2-Nitrophenol	139	5.650	5.650	(0.935)	133264	4.00000	4
	25 2,4-Dimethylphenol	122	5.739	5.739	(0.950)	203196	4.00000	4
	26 Benzoic Acid	122	5.864	5.864	(0.971)	50099	10.0000	4(M)
	27 Bis(2-Chloroethoxy)methane	93	5.828	5.828	(0.965)	275165	4.00000	4
	28 2,4-Dichlorophenol	162	5.917	5.917	(0.979)	199975	4.00000	4
	29 1,2,4-Trichlorobenzene	180	5.989	5.989	(0.991)	218621	4.00000	4
	30 Naphthalene	128	6.060	6.060	(1.003)	700041	4.00000	4
	31 4-Chloroaniline	127	6.143	6.143	(1.017)	294895	4.00000	4
	32 Hexachlorobutadiene	225	6.220	6.220	(1.029)	127941	4.00000	4
	129 Caprolactam	113	6.481	6.481	(1.073)	62814	4.00000	4
	33 4-Chloro-3-methylphenol	107	6.689	6.689	(1.107)	205441	4.00000	4
	34 2-Methylnaphthalene	142	6.802	6.802	(1.126)	483385	4.00000	4
*	35 Acenaphthene-d10	164	7.900	7.900	(1.000)	2058638	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.766	6.766	(1.445)	201065	4.00000	4
	37 Hexachlorocyclopentadiene	237	6.980	6.980	(0.884)	92754	4.00000	3
	38 2,4,6-Trichlorophenol	196	7.116	7.116	(0.901)	141635	4.00000	4
	39 2,4,5-Trichlorophenol	196	7.158	7.158	(0.906)	375431	10.0000	10
$	40 2-Fluorobiphenyl	172	7.199	7.199	(0.911)	516553	4.00000	4
	130 1,1'-Biphenyl	154	7.300	7.300	(0.924)	590167	4.00000	4
	41 2-Chloronaphthalene	162	7.306	7.306	(0.925)	463276	4.00000	4
	42 2-Nitroaniline	65	7.431	7.431	(0.941)	147259	4.00000	4
	43 Acenaphthylene	152	7.740	7.740	(0.980)	785275	4.00000	4
	44 Dimethylphthalate	163	7.645	7.645	(0.968)	530412	4.00000	4
	45 2,6-Dinitrotoluene	165	7.698	7.698	(0.974)	126902	4.00000	4
	46 Acenaphthene	153	7.929	7.929	(1.004)	486223	4.00000	4
	47 3-Nitroaniline	138	7.864	7.864	(0.995)	140748	4.00000	4
	48 2,4-Dinitrophenol	184	7.983	7.983	(1.011)	106071	10.0000	8
	49 Dibenzofuran	168	8.113	8.113	(1.027)	708567	4.00000	4
	50 2,4-Dinitrotoluene	165	8.119	8.119	(1.028)	169853	4.00000	4
	51 4-Nitrophenol	109	8.084	8.084	(1.023)	137309	10.0000	9
	52 Fluorene	166	8.470	8.470	(1.072)	577180	4.00000	4
	53 4-Chlorophenyl-phenylether	204	8.487	8.487	(1.074)	273375	4.00000	4
	54 Diethylphthalate	149	8.392	8.392	(1.062)	572014	4.00000	4
	55 4-Nitroaniline	138	8.505	8.505	(1.077)	137363	4.00000	4
$	56 2,4,6-Tribromophenol	330	8.731	8.731	(1.105)	177359	10.0000	10
*	57 Phenanthrene-d10	188	9.455	9.455	(1.000)	3520944	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.547	8.547	(0.904)	192105	10.0000	8
	59 N-Nitrosodiphenylamine (1)	169	8.612	8.612	(0.911)	410676	4.00000	4
	60 1,2-Diphenylhydrazine	77	8.654	8.654	(0.915)	591193	4.00000	4
	61 4-Bromophenyl-phenylether	248	8.998	8.998	(0.952)	155523	4.00000	4
	131 Atrazine	200	9.194	9.194	(0.972)	138917	4.00000	4
	62 Hexachlorobenzene	284	9.063	9.063	(0.959)	168265	4.00000	4
	63 Pentachlorophenol	266	9.277	9.277	(0.981)	119020	10.0000	7
	64 Phenanthrene	178	9.479	9.479	(1.002)	811487	4.00000	4
	65 Carbazole	167	9.710	9.710	(1.027)	763530	4.00000	4
	66 Anthracene	178	9.532	9.532	(1.008)	835764	4.00000	4
	67 Di-n-butylphthalate	149	10.108	10.108	(1.069)	972094	4.00000	4
	68 Fluoranthene	202	10.731	10.731	(1.135)	893176	4.00000	4
*	70 Chrysene-d12	240	12.298	12.298	(1.000)	3520048	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	10.968	10.968	(0.892)	914397	4.00000	4
$ 73	Terphenyl-d14	244	11.146	11.146	(0.906)	596297	4.00000	4
74	Butylbenzylphthalate	149	11.675	11.675	(0.949)	383095	4.00000	4
75	3,3'-Dichlorobenzidine	252	12.262	12.262	(0.997)	223872	4.00000	4
76	Benzo(a)anthracene	228	12.280	12.280	(0.999)	814409	4.00000	4
77	Chrysene	228	12.328	12.328	(1.002)	804007	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.351	12.351	(1.004)	456555	4.00000	4
* 79	Perylene-d12	264	14.387	14.387	(1.000)	2753646	20.0000	
80	Di-n-octylphthalate	149	13.224	13.224	(0.919)	462787	4.00000	4
81	Benzo(b)fluoranthene	252	13.764	13.764	(0.957)	665828	4.00000	4(H)
82	Benzo(k)fluoranthene	252	13.805	13.805	(0.960)	672205	4.00000	4
83	Benzo(a)pyrene	252	14.286	14.286	(0.993)	528425	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	16.316	16.316	(1.134)	318872	4.00000	4
85	Dibenzo(a,h)anthracene	278	16.364	16.364	(1.137)	292677	4.00000	4
86	Benzo(g,h,i)perylene	276	16.826	16.826	(1.170)	301885	4.00000	4
167	Simazine	201	9.158	9.158	(0.969)	91951	4.00000	6(H)
103	1,2,4,5-Tetrachlorobenzene	216	6.986	6.986	(0.884)	108674	5.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.256	8.256	(1.045)	108444	5.00000	4
119	Pentachloronitrobenzene	237	9.289	9.289	(0.982)	67495	5.00000	4

QC Flag Legend

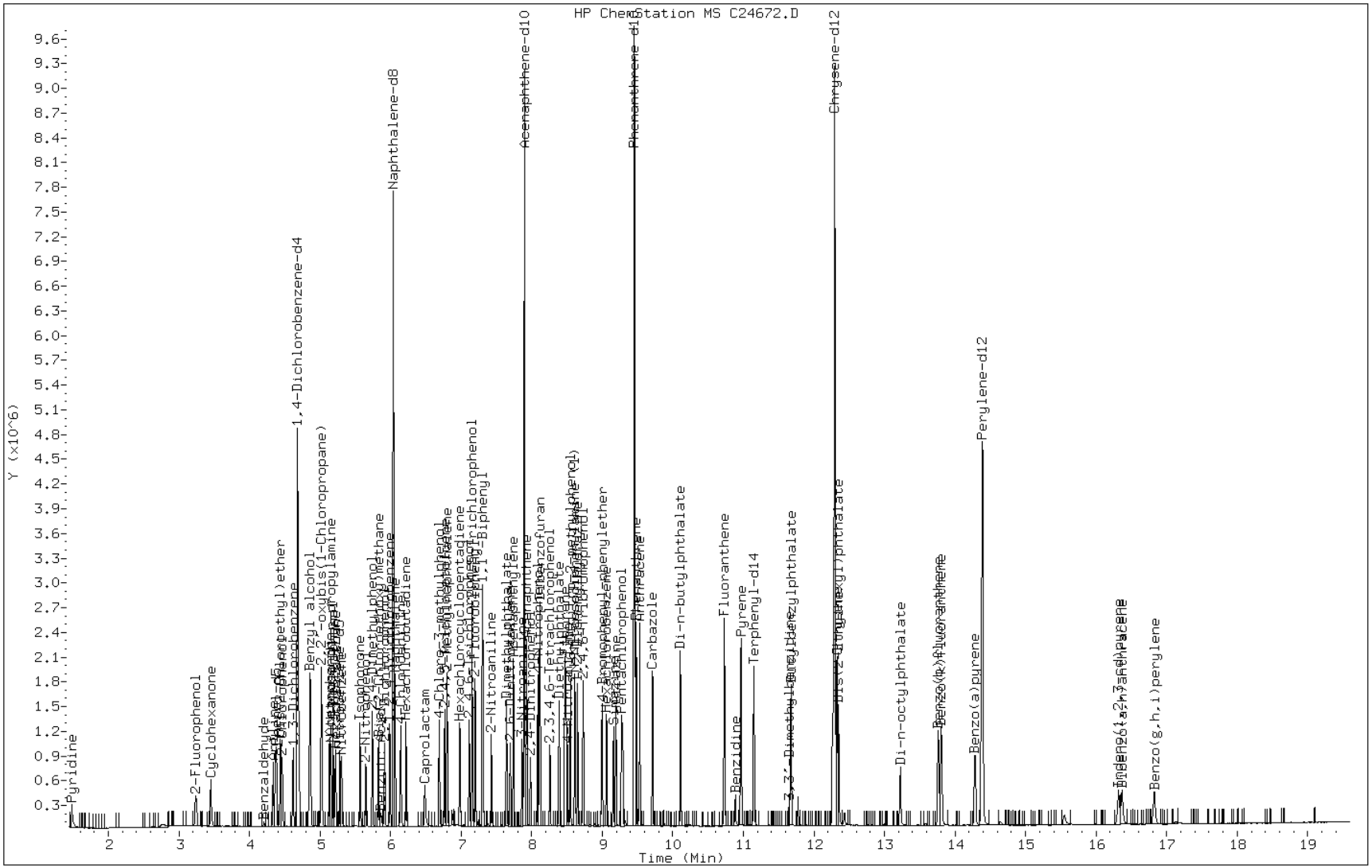
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: C24672.D

Date: 05-AUG-2011 10:24

Client ID: IC-649841 Instrument: msc.i

Sample Info: IC-649841 Operator: S.Jonas



Manual Integration Report

Data File: C24672.D
Inj. Date and Time: 05-AUG-2011 10:24
Instrument ID: msc.i
Client ID: IC-649841
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/08/2011

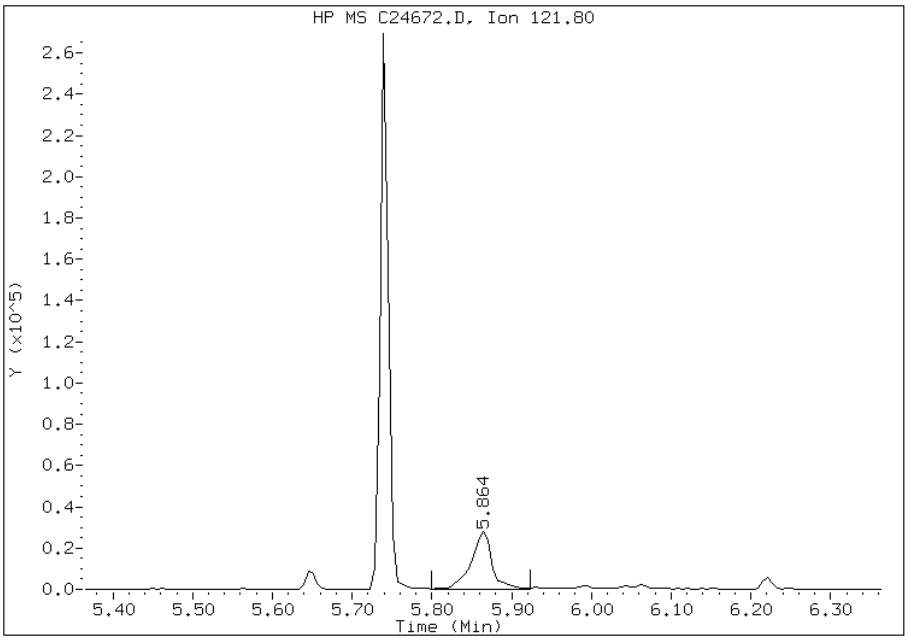
Processing Integration Results

RT: 5.86

Response: 50099

Amount: 5

Conc: 5



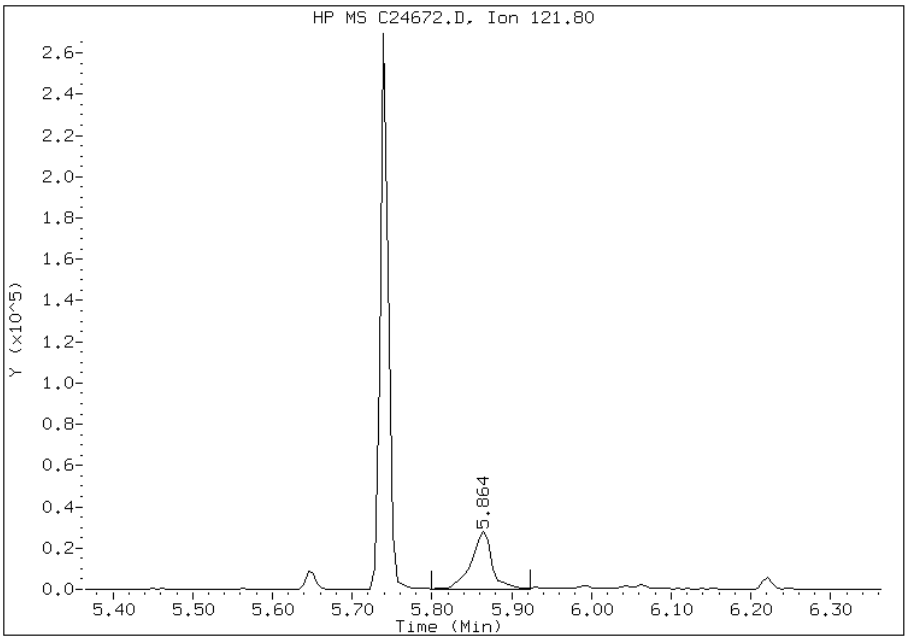
Manual Integration Results

RT: 5.86

Response: 50099

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24673.D
Lab Smp Id: IC-649843 Client Smp ID: IC-649843
Inj Date : 05-AUG-2011 10:54
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649843
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:12 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 10:54 Cal File: C24673.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.683	4.683	(1.000)	793145	20.0000	
$ 2	2-Fluorophenol	112	3.235	3.235	(0.691)	446123	10.0000	10
$ 3	Phenol-d5	99	4.369	4.369	(0.933)	618715	10.0000	10
4	Pyridine	52	1.478	1.478	(0.316)	171186	10.0000	10
5	N-Nitrosodimethylamine	42	1.472	1.472	(0.314)	128539	10.0000	10
6	Cyclohexanone	42	3.449	3.449	(0.736)	369723	10.0000	10
128	Benzaldehyde	77	4.202	4.202	(0.897)	121758	10.0000	12
7	Phenol	94	4.380	4.380	(0.935)	683672	10.0000	10
8	Aniline	93	4.333	4.333	(0.925)	753570	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.434	4.434	(0.947)	498273	10.0000	10
10	2-Chlorophenol	128	4.463	4.463	(0.953)	582856	10.0000	10
11	1,3-Dichlorobenzene	146	4.618	4.618	(0.986)	642803	10.0000	10
12	1,4-Dichlorobenzene	146	4.701	4.701	(1.004)	669149	10.0000	10
13	Benzyl alcohol	108	4.867	4.867	(1.039)	372596	10.0000	10
14	1,2-Dichlorobenzene	146	4.861	4.861	(1.038)	635798	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.021	5.021	(1.072)	1095802	10.0000	10
16	2-Methylphenol	108	5.021	5.021	(1.072)	521835	10.0000	10
92	Acetophenone	105	5.134	5.134	(1.096)	721435	10.0000	10
17	Hexachloroethane	117	5.217	5.217	(1.114)	275490	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.152	5.152	(1.100)	430013	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.188	5.188	(1.108)	551667	10.0000	10
*	20 Naphthalene-d8	136	6.042	6.042	(1.000)	3286475	20.0000	
$	21 Nitrobenzene-d5	82	5.283	5.283	(0.874)	604785	10.0000	10
	22 Nitrobenzene	77	5.300	5.300	(0.877)	605202	10.0000	10
	23 Isophorone	82	5.567	5.567	(0.921)	1133003	10.0000	10
	24 2-Nitrophenol	139	5.645	5.645	(0.934)	347464	10.0000	10
	25 2,4-Dimethylphenol	122	5.740	5.740	(0.950)	518560	10.0000	10
	26 Benzoic Acid	122	5.912	5.912	(0.978)	368042	25.0000	27
	27 Bis(2-Chloroethoxy)methane	93	5.829	5.829	(0.965)	711259	10.0000	10
	28 2,4-Dichlorophenol	162	5.918	5.918	(0.979)	515584	10.0000	10
	29 1,2,4-Trichlorobenzene	180	5.989	5.989	(0.991)	559147	10.0000	10
	30 Naphthalene	128	6.060	6.060	(1.003)	1771973	10.0000	10
	31 4-Chloroaniline	127	6.143	6.143	(1.017)	753879	10.0000	10
	32 Hexachlorobutadiene	225	6.220	6.220	(1.029)	327253	10.0000	10
	129 Caprolactam	113	6.511	6.511	(1.078)	174080	10.0000	10
	33 4-Chloro-3-methylphenol	107	6.695	6.695	(1.108)	530646	10.0000	10
	34 2-Methylnaphthalene	142	6.802	6.802	(1.126)	1218555	10.0000	10
*	35 Acenaphthene-d10	164	7.894	7.894	(1.000)	2081517	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.766	6.766	(1.445)	496324	10.0000	10
	37 Hexachlorocyclopentadiene	237	6.980	6.980	(0.884)	293726	10.0000	11
	38 2,4,6-Trichlorophenol	196	7.117	7.117	(0.902)	376799	10.0000	10
	39 2,4,5-Trichlorophenol	196	7.158	7.158	(0.907)	963445	25.0000	25
$	40 2-Fluorobiphenyl	172	7.206	7.206	(0.913)	1307450	10.0000	10
	130 1,1'-Biphenyl	154	7.301	7.301	(0.925)	1484156	10.0000	10
	41 2-Chloronaphthalene	162	7.312	7.312	(0.926)	1165082	10.0000	10
	42 2-Nitroaniline	65	7.431	7.431	(0.941)	391370	10.0000	10
	43 Acenaphthylene	152	7.740	7.740	(0.980)	2005338	10.0000	10
	44 Dimethylphthalate	163	7.645	7.645	(0.968)	1341386	10.0000	10
	45 2,6-Dinitrotoluene	165	7.698	7.698	(0.975)	327072	10.0000	10
	46 Acenaphthene	153	7.930	7.930	(1.004)	1219393	10.0000	10
	47 3-Nitroaniline	138	7.870	7.870	(0.997)	374095	10.0000	10
	48 2,4-Dinitrophenol	184	7.983	7.983	(1.011)	396657	25.0000	28
	49 Dibenzofuran	168	8.114	8.114	(1.028)	1755550	10.0000	10
	50 2,4-Dinitrotoluene	165	8.120	8.120	(1.029)	443312	10.0000	10
	51 4-Nitrophenol	109	8.090	8.090	(1.025)	381317	25.0000	24
	52 Fluorene	166	8.476	8.476	(1.074)	1448568	10.0000	10
	53 4-Chlorophenyl-phenylether	204	8.488	8.488	(1.075)	691845	10.0000	10
	54 Diethylphthalate	149	8.393	8.393	(1.063)	1438205	10.0000	10
	55 4-Nitroaniline	138	8.511	8.511	(1.078)	363258	10.0000	10
$	56 2,4,6-Tribromophenol	330	8.731	8.731	(1.106)	467390	25.0000	25
*	57 Phenanthrene-d10	188	9.455	9.455	(1.000)	3616028	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.553	8.553	(0.905)	602882	25.0000	25
	59 N-Nitrosodiphenylamine (1)	169	8.618	8.618	(0.911)	1048286	10.0000	10
	60 1,2-Diphenylhydrazine	77	8.654	8.654	(0.915)	1522855	10.0000	10
	61 4-Bromophenyl-phenylether	248	8.998	8.998	(0.952)	403951	10.0000	10
	131 Atrazine	200	9.200	9.200	(0.973)	355165	10.0000	10
	62 Hexachlorobenzene	284	9.063	9.063	(0.959)	417691	10.0000	10
	63 Pentachlorophenol	266	9.277	9.277	(0.981)	472594	25.0000	26
	64 Phenanthrene	178	9.479	9.479	(1.002)	2058472	10.0000	10
	65 Carbazole	167	9.716	9.716	(1.028)	1939678	10.0000	10
	66 Anthracene	178	9.532	9.532	(1.008)	2099946	10.0000	10
	67 Di-n-butylphthalate	149	10.108	10.108	(1.069)	2534795	10.0000	10
	68 Fluoranthene	202	10.731	10.731	(1.135)	2274807	10.0000	10
*	70 Chrysene-d12	240	12.298	12.298	(1.000)	3622309	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.885	10.885	(0.885)	594915	10.0000	10
72	Pyrene	202	10.969	10.969	(0.892)	2323924	10.0000	10
$ 73	Terphenyl-d14	244	11.147	11.147	(0.906)	1546436	10.0000	10
74	Butylbenzylphthalate	149	11.675	11.675	(0.949)	1046771	10.0000	10
124	3,3'-Dimethylbenzidine	212	11.651	11.651	(0.947)	474525	10.0000	11
75	3,3'-Dichlorobenzidine	252	12.262	12.262	(0.997)	616133	10.0000	10
76	Benzo(a)anthracene	228	12.280	12.280	(0.999)	2105902	10.0000	10
77	Chrysene	228	12.328	12.328	(1.002)	2040313	10.0000	10
78	Bis(2-Ethylhexyl)phthalate	149	12.352	12.352	(1.004)	1222511	10.0000	10
* 79	Perylene-d12	264	14.387	14.387	(1.000)	2740749	20.0000	
80	Di-n-octylphthalate	149	13.224	13.224	(0.919)	1355085	10.0000	9
81	Benzo(b)fluoranthene	252	13.764	13.764	(0.957)	1680239	10.0000	10(H)
82	Benzo(k)fluoranthene	252	13.812	13.812	(0.960)	1738715	10.0000	10
83	Benzo(a)pyrene	252	14.286	14.286	(0.993)	1336578	10.0000	10
84	Indeno(1,2,3-cd)pyrene	276	16.322	16.322	(1.134)	743156	10.0000	10
85	Dibenzo(a,h)anthracene	278	16.370	16.370	(1.138)	717505	10.0000	10
86	Benzo(g,h,i)perylene	276	16.827	16.827	(1.170)	686576	10.0000	10
167	Simazine	201	9.164	9.164	(0.969)	240062	10.0000	12(H)
103	1,2,4,5-Tetrachlorobenzene	216	6.986	6.986	(0.885)	276921	10.0000	11
109	2,3,4,6-Tetrachlorophenol	232	8.256	8.256	(1.046)	306849	10.0000	11
119	Pentachloronitrobenzene	237	9.289	9.289	(0.982)	180601	10.0000	11

QC Flag Legend

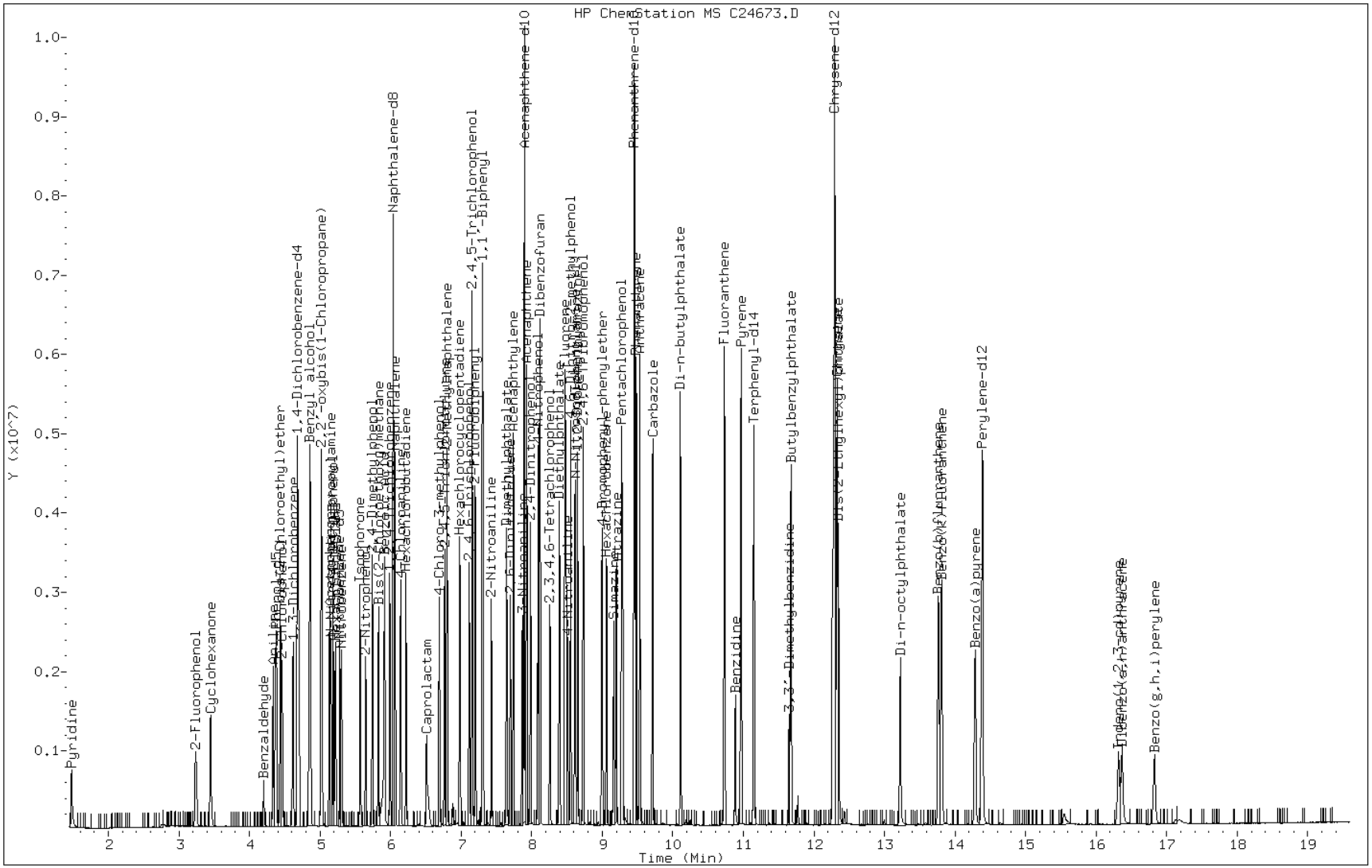
H - Operator selected an alternate compound hit.

Data File: C24673.D

Date: 05-AUG-2011 10:54

Client ID: IC-649843 Instrument: msc.i

Sample Info: IC-649843 Operator: S.Jonas



TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24674.D
Lab Smp Id: IC-649844 Client Smp ID: IC-649844
Inj Date : 05-AUG-2011 11:25
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649844
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:12 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 11:25 Cal File: C24674.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.683	4.683	(1.000)	791188	20.0000	
$ 2	2-Fluorophenol	112	3.241	3.241	(0.692)	942586	20.0000	21
$ 3	Phenol-d5	99	4.374	4.374	(0.934)	1308507	20.0000	21
4	Pyridine	52	1.478	1.478	(0.316)	352839	20.0000	21
5	N-Nitrosodimethylamine	42	1.472	1.472	(0.314)	268800	20.0000	21
6	Cyclohexanone	42	3.448	3.448	(0.736)	754128	20.0000	21
128	Benzaldehyde	77	4.202	4.202	(0.897)	351167	20.0000	35
7	Phenol	94	4.386	4.386	(0.937)	1432293	20.0000	21
8	Aniline	93	4.339	4.339	(0.926)	1578042	20.0000	21
9	bis(2-Chloroethyl)ether	63	4.440	4.440	(0.948)	993163	20.0000	20
10	2-Chlorophenol	128	4.463	4.463	(0.953)	1201470	20.0000	21
11	1,3-Dichlorobenzene	146	4.618	4.618	(0.986)	1346296	20.0000	21
12	1,4-Dichlorobenzene	146	4.701	4.701	(1.004)	1383819	20.0000	21
13	Benzyl alcohol	108	4.873	4.873	(1.041)	751678	20.0000	21
14	1,2-Dichlorobenzene	146	4.861	4.861	(1.038)	1315469	20.0000	21
15	2,2'-oxybis(1-Chloropropane)	45	5.021	5.021	(1.072)	2231563	20.0000	21
16	2-Methylphenol	108	5.027	5.027	(1.074)	1088778	20.0000	21
92	Acetophenone	105	5.140	5.140	(1.098)	1509606	20.0000	21
17	Hexachloroethane	117	5.217	5.217	(1.114)	584111	20.0000	21
18	N-Nitroso-di-n-propylamine	70	5.164	5.164	(1.103)	899405	20.0000	21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.193	5.193	(1.109)	1141186	20.0000	21
*	20 Naphthalene-d8	136	6.042	6.042	(1.000)	3389745	20.0000	
$	21 Nitrobenzene-d5	82	5.288	5.288	(0.875)	1259861	20.0000	20
	22 Nitrobenzene	77	5.306	5.306	(0.878)	1274310	20.0000	20
	23 Isophorone	82	5.573	5.573	(0.922)	2363870	20.0000	20
	24 2-Nitrophenol	139	5.650	5.650	(0.935)	723457	20.0000	21
	25 2,4-Dimethylphenol	122	5.745	5.745	(0.951)	1091189	20.0000	20
	26 Benzoic Acid	122	5.929	5.929	(0.981)	628008	30.0000	44
	27 Bis(2-Chloroethoxy)methane	93	5.828	5.828	(0.965)	1454855	20.0000	20
	28 2,4-Dichlorophenol	162	5.917	5.917	(0.979)	1063574	20.0000	20
	29 1,2,4-Trichlorobenzene	180	5.995	5.995	(0.992)	1156012	20.0000	20
	30 Naphthalene	128	6.066	6.066	(1.004)	3581671	20.0000	20
	31 4-Chloroaniline	127	6.143	6.143	(1.017)	1569916	20.0000	21
	32 Hexachlorobutadiene	225	6.220	6.220	(1.029)	693964	20.0000	21
	129 Caprolactam	113	6.541	6.541	(1.083)	373798	20.0000	21
	33 4-Chloro-3-methylphenol	107	6.701	6.701	(1.109)	1115312	20.0000	21
	34 2-Methylnaphthalene	142	6.802	6.802	(1.126)	2521208	20.0000	20
*	35 Acenaphthene-d10	164	7.900	7.900	(1.000)	2109693	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.766	6.766	(1.445)	1052495	20.0000	21
	37 Hexachlorocyclopentadiene	237	6.986	6.986	(0.884)	686679	20.0000	24
	38 2,4,6-Trichlorophenol	196	7.122	7.122	(0.902)	797437	20.0000	21
	39 2,4,5-Trichlorophenol	196	7.164	7.164	(0.907)	1241145	30.0000	32
$	40 2-Fluorobiphenyl	172	7.205	7.205	(0.912)	2699100	20.0000	21
	130 1,1'-Biphenyl	154	7.306	7.306	(0.925)	3055771	20.0000	20
	41 2-Chloronaphthalene	162	7.312	7.312	(0.926)	2406700	20.0000	20
	42 2-Nitroaniline	65	7.437	7.437	(0.941)	813141	20.0000	21
	43 Acenaphthylene	152	7.745	7.745	(0.980)	4068457	20.0000	20
	44 Dimethylphthalate	163	7.651	7.651	(0.968)	2808512	20.0000	21
	45 2,6-Dinitrotoluene	165	7.704	7.704	(0.975)	679471	20.0000	21
	46 Acenaphthene	153	7.935	7.935	(1.004)	2522251	20.0000	20
	47 3-Nitroaniline	138	7.876	7.876	(0.997)	781701	20.0000	21
	48 2,4-Dinitrophenol	184	7.989	7.989	(1.011)	542545	30.0000	38
	49 Dibenzofuran	168	8.119	8.119	(1.028)	3621233	20.0000	20
	50 2,4-Dinitrotoluene	165	8.125	8.125	(1.029)	937794	20.0000	21
	51 4-Nitrophenol	109	8.096	8.096	(1.025)	500718	30.0000	32
	52 Fluorene	166	8.476	8.476	(1.073)	2989860	20.0000	21
	53 4-Chlorophenyl-phenylether	204	8.487	8.487	(1.074)	1440299	20.0000	21
	54 Diethylphthalate	149	8.398	8.398	(1.063)	2992158	20.0000	21
	55 4-Nitroaniline	138	8.523	8.523	(1.079)	775176	20.0000	21
$	56 2,4,6-Tribromophenol	330	8.737	8.737	(1.106)	602086	30.0000	32
*	57 Phenanthrene-d10	188	9.461	9.461	(1.000)	3735672	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.559	8.559	(0.905)	795862	30.0000	32
	59 N-Nitrosodiphenylamine (1)	169	8.624	8.624	(0.912)	2154477	20.0000	20
	60 1,2-Diphenylhydrazine	77	8.660	8.660	(0.915)	3139997	20.0000	20
	61 4-Bromophenyl-phenylether	248	8.998	8.998	(0.951)	841400	20.0000	20
	131 Atrazine	200	9.206	9.206	(0.973)	748201	20.0000	20
	62 Hexachlorobenzene	284	9.063	9.063	(0.958)	891638	20.0000	20
	63 Pentachlorophenol	266	9.283	9.283	(0.981)	639365	30.0000	34
	64 Phenanthrene	178	9.485	9.485	(1.002)	4201983	20.0000	20
	65 Carbazole	167	9.716	9.716	(1.027)	4033830	20.0000	20
	66 Anthracene	178	9.538	9.538	(1.008)	4332952	20.0000	20
	67 Di-n-butylphthalate	149	10.114	10.114	(1.069)	5204119	20.0000	21
	68 Fluoranthene	202	10.737	10.737	(1.135)	4717497	20.0000	20
*	70 Chrysene-d12	240	12.304	12.304	(1.000)	3698808	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.885	10.885	(0.885)	1399563	20.0000	22
72	Pyrene	202	10.974	10.974	(0.892)	4795151	20.0000	20
$ 73	Terphenyl-d14	244	11.152	11.152	(0.906)	3164415	20.0000	20
74	Butylbenzylphthalate	149	11.675	11.675	(0.949)	2224113	20.0000	21
124	3,3'-Dimethylbenzidine	212	11.651	11.651	(0.947)	1112163	20.0000	25
75	3,3'-Dichlorobenzidine	252	12.268	12.268	(0.997)	1280103	20.0000	21
76	Benzo(a)anthracene	228	12.286	12.286	(0.999)	4330807	20.0000	20
77	Chrysene	228	12.333	12.333	(1.002)	4034779	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.351	12.351	(1.004)	2687772	20.0000	21
* 79	Perylene-d12	264	14.393	14.393	(1.000)	2509364	20.0000	
80	Di-n-octylphthalate	149	13.230	13.230	(0.919)	3020548	20.0000	20
81	Benzo(b)fluoranthene	252	13.776	13.776	(0.957)	3220535	20.0000	20(H)
82	Benzo(k)fluoranthene	252	13.823	13.823	(0.960)	3494652	20.0000	22
83	Benzo(a)pyrene	252	14.298	14.298	(0.993)	2621080	20.0000	21
84	Indeno(1,2,3-cd)pyrene	276	16.328	16.328	(1.134)	1176749	20.0000	18
85	Dibenzo(a,h)anthracene	278	16.375	16.375	(1.138)	1201443	20.0000	19
86	Benzo(g,h,i)perylene	276	16.838	16.838	(1.170)	1094513	20.0000	17
167	Simazine	201	9.176	9.176	(0.970)	515420	20.0000	21(H)
103	1,2,4,5-Tetrachlorobenzene	216	6.986	6.986	(0.884)	576495	25.0000	22
109	2,3,4,6-Tetrachlorophenol	232	8.262	8.262	(1.046)	668336	25.0000	24
119	Pentachloronitrobenzene	237	9.295	9.295	(0.982)	376587	25.0000	23

QC Flag Legend

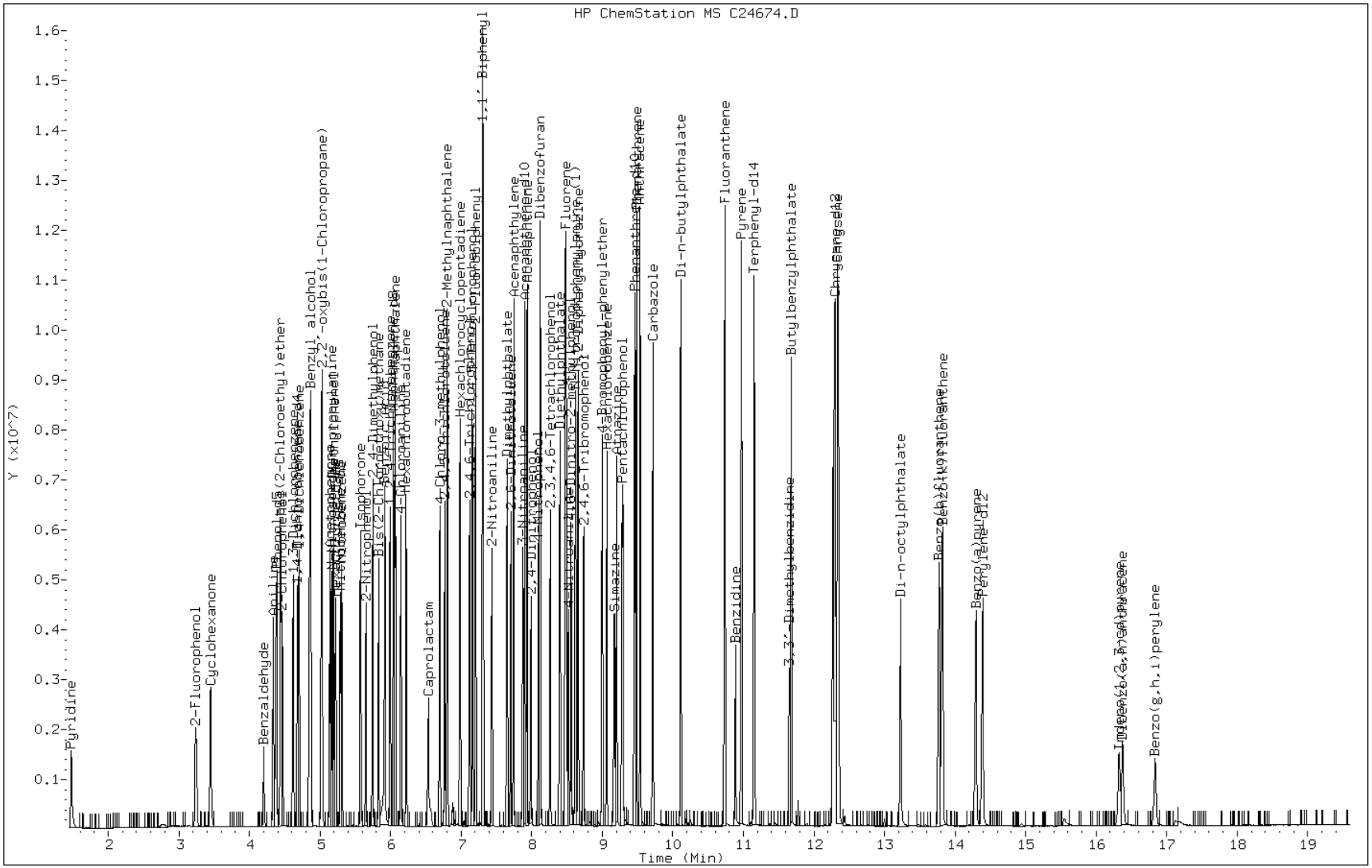
H - Operator selected an alternate compound hit.

Data File: C24674.D

Date: 05-AUG-2011 11:25

Client ID: IC-649844 Instrument: msc.i

Sample Info: IC-649844 Operator: S.Jonas



TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24675.D
Lab Smp Id: IC-649845 Client Smp ID: IC-649845
Inj Date : 05-AUG-2011 11:55
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649845
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:14 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 11:55 Cal File: C24675.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.689	4.689	(1.000)	732206	20.0000	
$ 2	2-Fluorophenol	112	3.247	3.247	(0.692)	2504950	60.0000	61
$ 3	Phenol-d5	99	4.392	4.392	(0.937)	3412653	60.0000	59
4	Pyridine	52	1.478	1.478	(0.315)	933700	60.0000	60
5	N-Nitrosodimethylamine	42	1.472	1.472	(0.314)	714811	60.0000	59(M)
6	Cyclohexanone	42	3.448	3.448	(0.735)	1886937	60.0000	57
128	Benzaldehyde	77	4.202	4.202	(0.896)	580289	60.0000	63
7	Phenol	94	4.404	4.404	(0.939)	3636892	60.0000	58
8	Aniline	93	4.345	4.345	(0.927)	4097864	60.0000	60
9	bis(2-Chloroethyl)ether	63	4.445	4.445	(0.948)	2698618	60.0000	59
10	2-Chlorophenol	128	4.475	4.475	(0.954)	3118306	60.0000	59
11	1,3-Dichlorobenzene	146	4.624	4.624	(0.986)	3502844	60.0000	59
12	1,4-Dichlorobenzene	146	4.707	4.707	(1.004)	3555129	60.0000	58
13	Benzyl alcohol	108	4.885	4.885	(1.042)	2040463	60.0000	62
14	1,2-Dichlorobenzene	146	4.867	4.867	(1.038)	3344878	60.0000	57
15	2,2'-oxybis(1-Chloropropane)	45	5.027	5.027	(1.072)	5543256	60.0000	56
16	2-Methylphenol	108	5.039	5.039	(1.075)	2815614	60.0000	58
92	Acetophenone	105	5.152	5.152	(1.099)	3955539	60.0000	59
17	Hexachloroethane	117	5.223	5.223	(1.114)	1529361	60.0000	60
18	N-Nitroso-di-n-propylamine	70	5.181	5.181	(1.105)	2367451	60.0000	59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.205	5.205	(1.110)	2983410	60.0000	59
*	20 Naphthalene-d8	136	6.048	6.048	(1.000)	3069733	20.0000	
$	21 Nitrobenzene-d5	82	5.300	5.300	(0.876)	3345138	60.0000	60
	22 Nitrobenzene	77	5.318	5.318	(0.879)	3343004	60.0000	59
	23 Isophorone	82	5.591	5.591	(0.924)	6265923	60.0000	60
	24 2-Nitrophenol	139	5.656	5.656	(0.935)	1931007	60.0000	60
	25 2,4-Dimethylphenol	122	5.757	5.757	(0.952)	2827190	60.0000	59
	26 Benzoic Acid	122	5.971	5.971	(0.987)	1798065	60.0000	110(AM)
	27 Bis(2-Chloroethoxy)methane	93	5.840	5.840	(0.966)	3789216	60.0000	59
	28 2,4-Dichlorophenol	162	5.929	5.929	(0.980)	2792561	60.0000	59
	29 1,2,4-Trichlorobenzene	180	6.001	6.001	(0.992)	3036929	60.0000	59
	30 Naphthalene	128	6.072	6.072	(1.004)	8354983	60.0000	53
	31 4-Chloroaniline	127	6.155	6.155	(1.018)	3980376	60.0000	59
	32 Hexachlorobutadiene	225	6.226	6.226	(1.029)	1800693	60.0000	60
	129 Caprolactam	113	6.588	6.588	(1.089)	1008002	60.0000	63(M)
	33 4-Chloro-3-methylphenol	107	6.713	6.713	(1.110)	2949079	60.0000	60
	34 2-Methylnaphthalene	142	6.814	6.814	(1.127)	6275012	60.0000	57
*	35 Acenaphthene-d10	164	7.900	7.900	(1.000)	1919439	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.772	6.772	(1.444)	2761318	60.0000	60
	37 Hexachlorocyclopentadiene	237	6.986	6.986	(0.884)	1944454	60.0000	73
	38 2,4,6-Trichlorophenol	196	7.128	7.128	(0.902)	2170413	60.0000	62
	39 2,4,5-Trichlorophenol	196	7.176	7.176	(0.908)	2255417	60.0000	63
$	40 2-Fluorobiphenyl	172	7.211	7.211	(0.913)	6811849	60.0000	58
	130 1,1'-Biphenyl	154	7.312	7.312	(0.926)	6977054	60.0000	53
	41 2-Chloronaphthalene	162	7.324	7.324	(0.927)	5946767	60.0000	56
	42 2-Nitroaniline	65	7.449	7.449	(0.943)	2152417	60.0000	61
	43 Acenaphthylene	152	7.751	7.751	(0.981)	9412782	60.0000	53
	44 Dimethylphthalate	163	7.662	7.662	(0.970)	7268965	60.0000	59
	45 2,6-Dinitrotoluene	165	7.716	7.716	(0.977)	1805841	60.0000	60
	46 Acenaphthene	153	7.941	7.941	(1.005)	6302531	60.0000	57
	47 3-Nitroaniline	138	7.888	7.888	(0.998)	2147506	60.0000	63
	48 2,4-Dinitrophenol	184	8.001	8.001	(1.013)	1165176	60.0000	84(A)
	49 Dibenzofuran	168	8.125	8.125	(1.029)	8497742	60.0000	54
	50 2,4-Dinitrotoluene	165	8.143	8.143	(1.031)	2491059	60.0000	61
	51 4-Nitrophenol	109	8.113	8.113	(1.027)	978729	60.0000	66
	52 Fluorene	166	8.487	8.487	(1.074)	7253927	60.0000	56
	53 4-Chlorophenyl-phenylether	204	8.499	8.499	(1.076)	3665823	60.0000	58
	54 Diethylphthalate	149	8.410	8.410	(1.065)	7580724	60.0000	58
	55 4-Nitroaniline	138	8.547	8.547	(1.082)	2128332	60.0000	63
$	56 2,4,6-Tribromophenol	330	8.743	8.743	(1.107)	1082734	60.0000	63
*	57 Phenanthrene-d10	188	9.467	9.467	(1.000)	3368224	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.576	8.576	(0.906)	1520917	60.0000	67
	59 N-Nitrosodiphenylamine (1)	169	8.636	8.636	(0.912)	5475102	60.0000	58
	60 1,2-Diphenylhydrazine	77	8.665	8.665	(0.915)	7985527	60.0000	57
	61 4-Bromophenyl-phenylether	248	9.010	9.010	(0.952)	2206427	60.0000	60
	131 Atrazine	200	9.223	9.223	(0.974)	2202583	60.0000	65
	62 Hexachlorobenzene	284	9.075	9.075	(0.959)	2318707	60.0000	59
	63 Pentachlorophenol	266	9.289	9.289	(0.981)	1312893	60.0000	72
	64 Phenanthrene	178	9.496	9.496	(1.003)	9445136	60.0000	51
	65 Carbazole	167	9.728	9.728	(1.028)	9934142	60.0000	56
	66 Anthracene	178	9.550	9.550	(1.009)	9870394	60.0000	52
	67 Di-n-butylphthalate	149	10.114	10.114	(1.068)	10805836	60.0000	49
	68 Fluoranthene	202	10.743	10.743	(1.135)	10532044	60.0000	52
*	70 Chrysene-d12	240	12.310	12.310	(1.000)	3049836	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.897	10.897	(0.885)	3500848	60.0000	61
72	Pyrene	202	10.980	10.980	(0.892)	10910525	60.0000	57
$ 73	Terphenyl-d14	244	11.158	11.158	(0.906)	7890533	60.0000	61
74	Butylbenzylphthalate	149	11.681	11.681	(0.949)	5588452	60.0000	63
124	3,3'-Dimethylbenzidine	212	11.657	11.657	(0.947)	2577185	60.0000	69
75	3,3'-Dichlorobenzidine	252	12.280	12.280	(0.998)	3017769	60.0000	59
76	Benzo(a)anthracene	228	12.298	12.298	(0.999)	10259107	60.0000	58
77	Chrysene	228	12.345	12.345	(1.003)	9346070	60.0000	56
78	Bis(2-Ethylhexyl)phthalate	149	12.357	12.357	(1.004)	6710363	60.0000	63
* 79	Perylene-d12	264	14.393	14.393	(1.000)	1426304	20.0000	
80	Di-n-octylphthalate	149	13.236	13.236	(0.920)	7523167	60.0000	60
81	Benzo(b)fluoranthene	252	13.788	13.788	(0.958)	6246411	60.0000	68
82	Benzo(k)fluoranthene	252	13.835	13.835	(0.961)	6510080	60.0000	69
83	Benzo(a)pyrene	252	14.304	14.304	(0.994)	4557384	60.0000	64
84	Indeno(1,2,3-cd)pyrene	276	16.340	16.340	(1.135)	2700574	60.0000	70
85	Dibenzo(a,h)anthracene	278	16.387	16.387	(1.139)	2659192	60.0000	71
86	Benzo(g,h,i)perylene	276	16.856	16.856	(1.171)	2811893	60.0000	75
167	Simazine	201	9.200	9.200	(0.972)	1453451	60.0000	64
103	1,2,4,5-Tetrachlorobenzene	216	6.992	6.992	(0.885)	1528311	60.0000	64
109	2,3,4,6-Tetrachlorophenol	232	8.274	8.274	(1.047)	1828690	60.0000	70
119	Pentachloronitrobenzene	237	9.306	9.306	(0.983)	974093	60.0000	64

QC Flag Legend

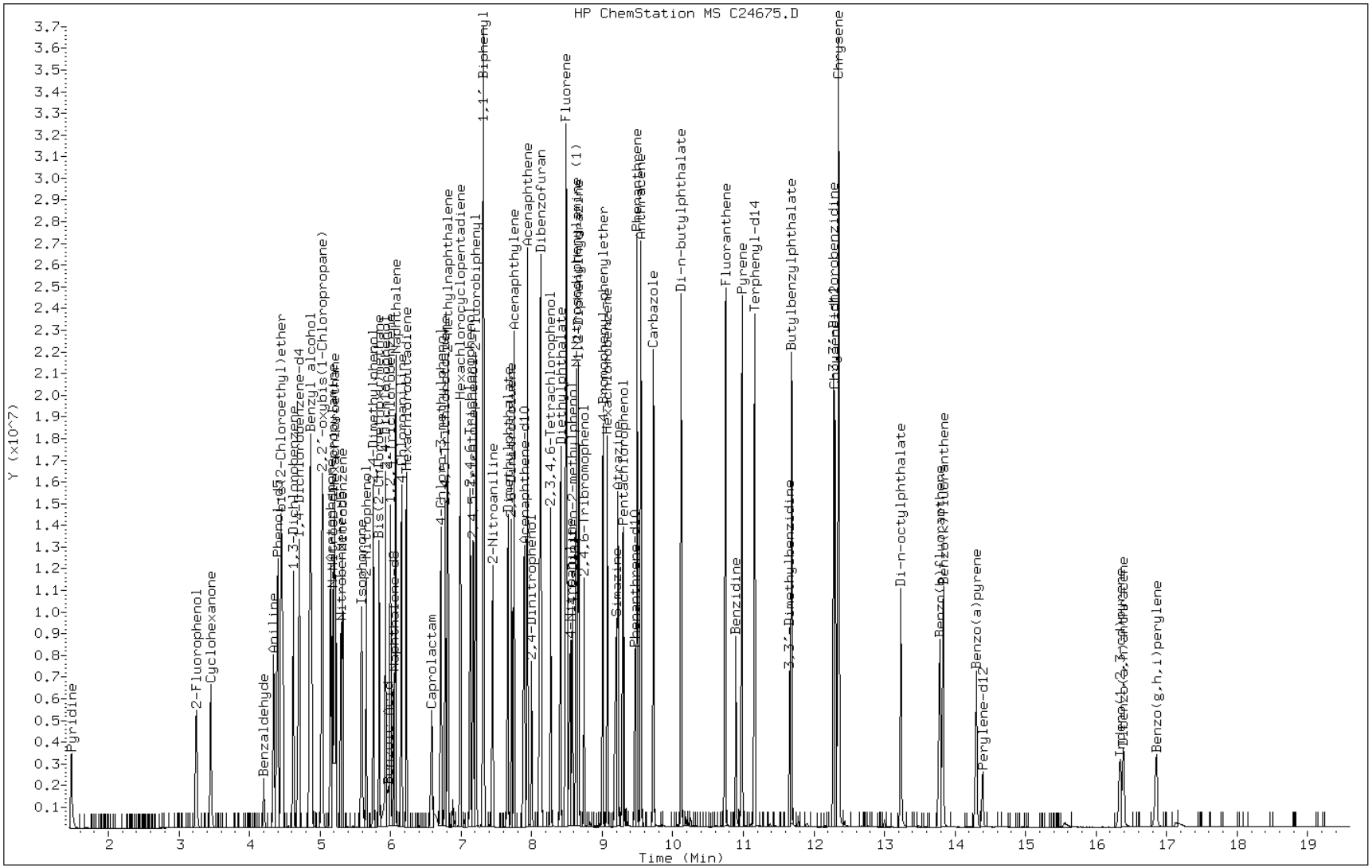
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: C24675.D

Date: 05-AUG-2011 11:55

Client ID: IC-649845 Instrument: msc.i

Sample Info: IC-649845 Operator: S.Jonas



Manual Integration Report

Data File: C24675.D
Inj. Date and Time: 05-AUG-2011 11:55
Instrument ID: msc.i
Client ID: IC-649845
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/08/2011

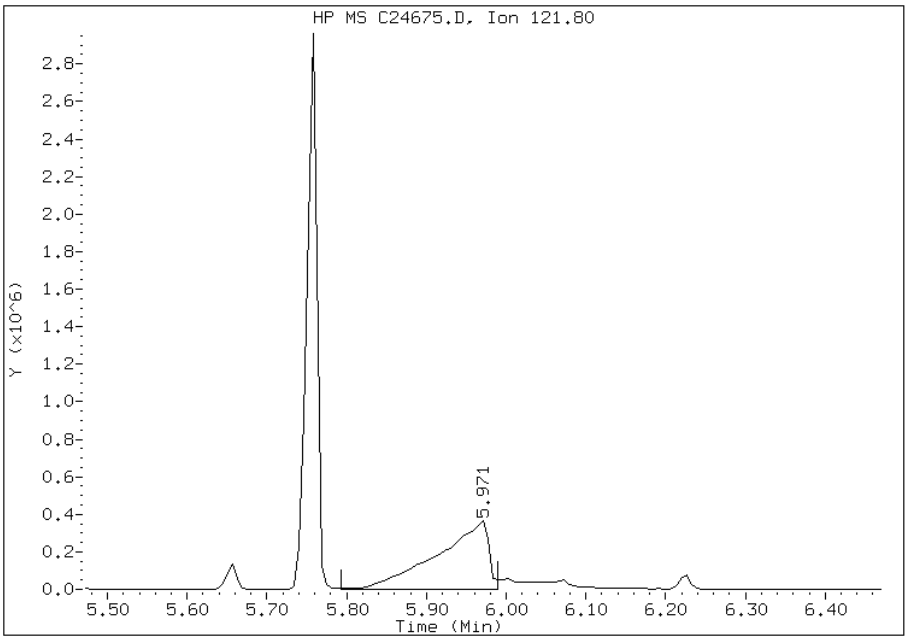
Processing Integration Results

RT: 5.97

Response: 1612967

Amount: 106

Conc: 106



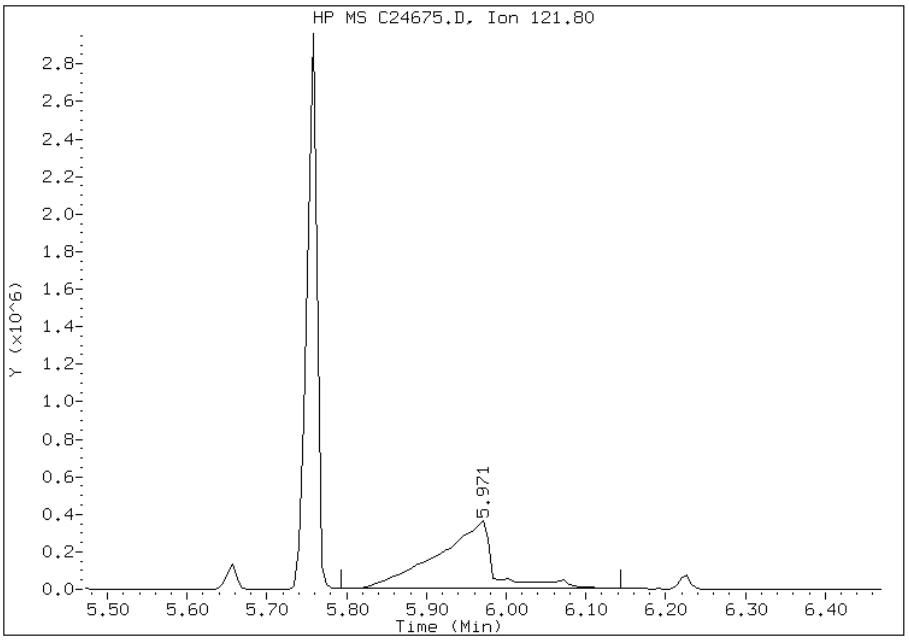
Manual Integration Results

RT: 5.97

Response: 1798065

Amount: 115

Conc: 115



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24675.D
Inj. Date and Time: 05-AUG-2011 11:55
Instrument ID: msc.i
Client ID: IC-649845
Compound: 5 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/08/2011

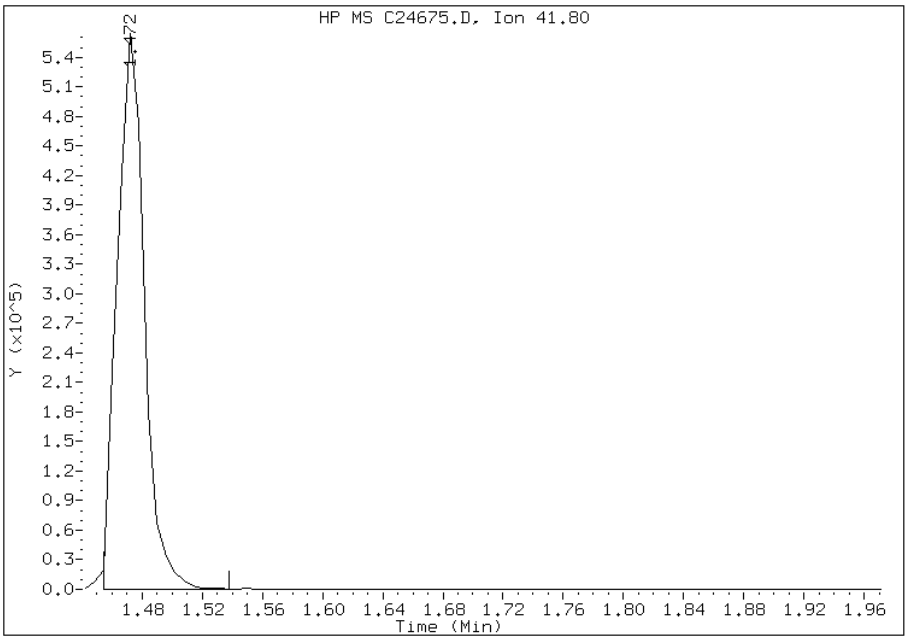
Processing Integration Results

RT: 1.47

Response: 713712

Amount: 59

Conc: 59



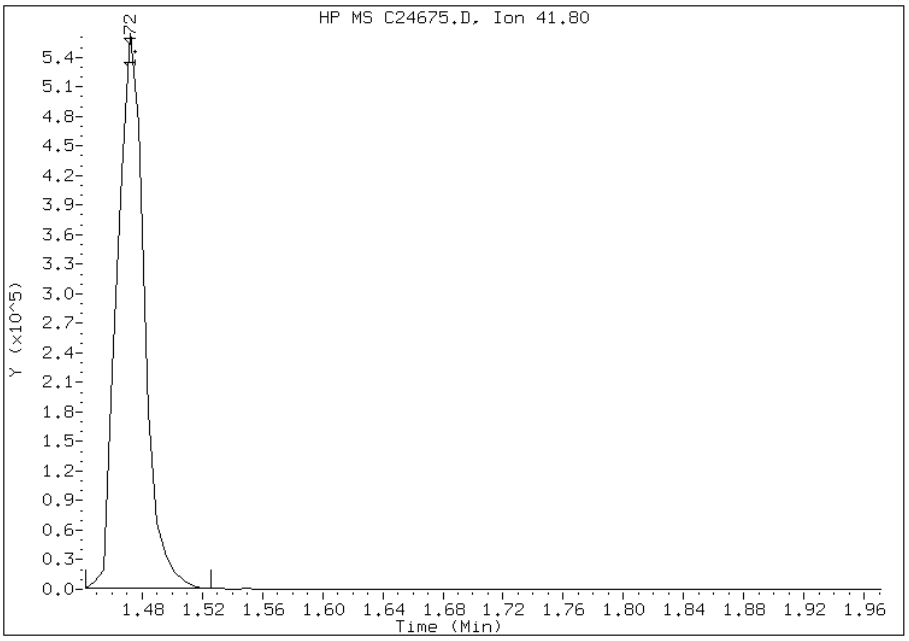
Manual Integration Results

RT: 1.47

Response: 714811

Amount: 59

Conc: 59



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24675.D
Inj. Date and Time: 05-AUG-2011 11:55
Instrument ID: msc.i
Client ID: IC-649845
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/08/2011

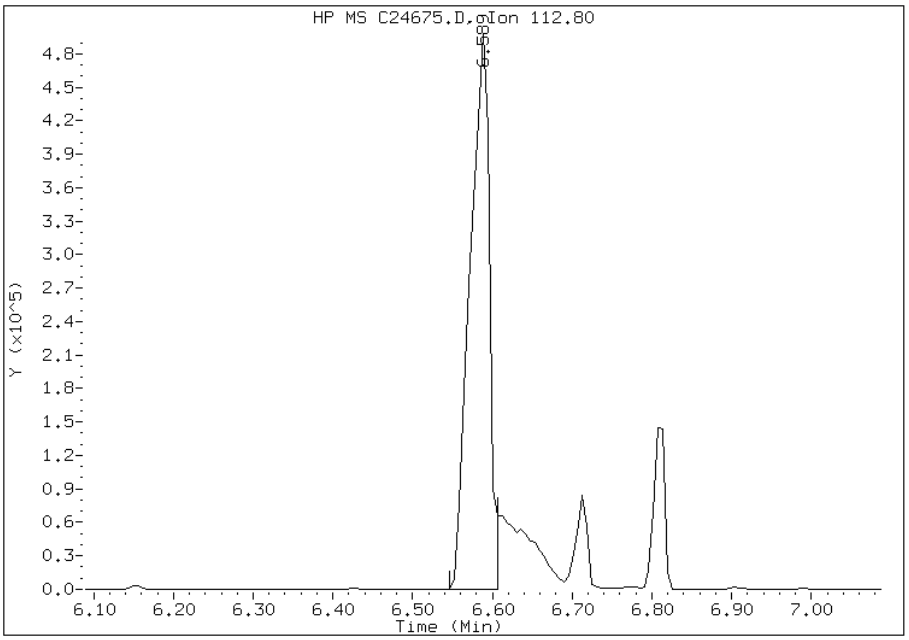
Processing Integration Results

RT: 6.59

Response: 844778

Amount: 54

Conc: 54



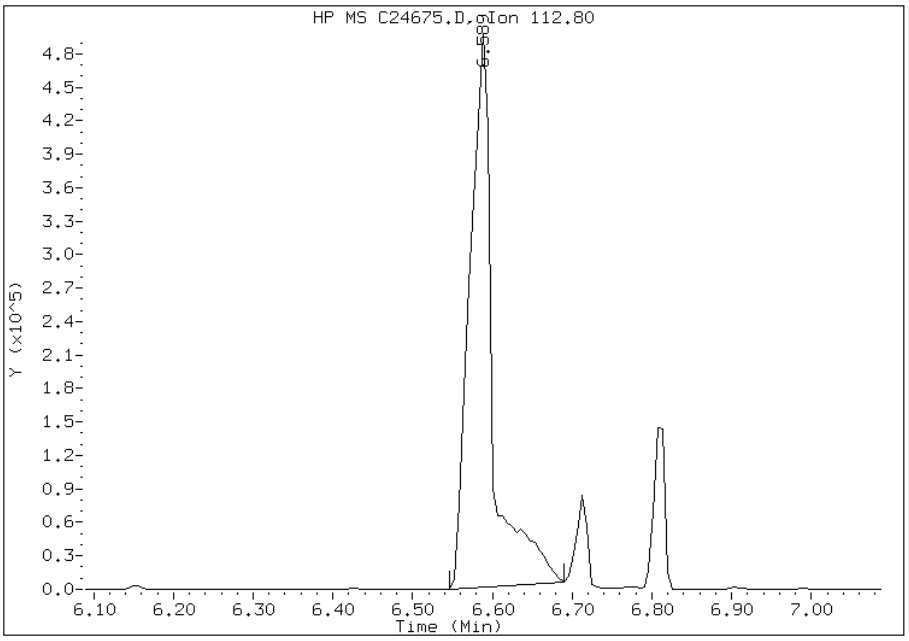
Manual Integration Results

RT: 6.59

Response: 1008002

Amount: 63

Conc: 63



Manually Integrated By: stephan
Manual Integration Reason:

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\C24676.D
Lab Smp Id: IC-649846 Client Smp ID: IC-649846
Inj Date : 05-AUG-2011 12:26
Operator : S.Jonas Inst ID: msc.i
Smp Info : IC-649846
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\MSC-8270C.m
Meth Date : 05-Aug-2011 12:50 stephan Quant Type: ISTD
Cal Date : 05-AUG-2011 12:26 Cal File: C24676.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.689	4.689	(1.000)	699779	20.0000	
$ 2	2-Fluorophenol	112	3.253	3.253	(0.694)	3306482	80.0000	83(A)
$ 3	Phenol-d5	99	4.398	4.398	(0.938)	4519256	80.0000	82(A)
4	Pyridine	52	1.478	1.478	(0.315)	1238534	80.0000	82(A)
5	N-Nitrosodimethylamine	42	1.478	1.478	(0.315)	930053	80.0000	81(AM)
6	Cyclohexanone	42	3.454	3.454	(0.737)	2339732	80.0000	75
128	Benzaldehyde	77	4.202	4.202	(0.896)	590325	80.0000	68
7	Phenol	94	4.416	4.416	(0.942)	4845171	80.0000	81(A)
8	Aniline	93	4.345	4.345	(0.927)	5402327	80.0000	82(A)
9	bis(2-Chloroethyl)ether	63	4.452	4.452	(0.949)	3627095	80.0000	83(A)
10	2-Chlorophenol	128	4.475	4.475	(0.954)	4087057	80.0000	80(A)
11	1,3-Dichlorobenzene	146	4.624	4.624	(0.986)	4605023	80.0000	81(A)
12	1,4-Dichlorobenzene	146	4.707	4.707	(1.004)	4659421	80.0000	80
13	Benzyl alcohol	108	4.891	4.891	(1.043)	2677120	80.0000	84(A)
14	1,2-Dichlorobenzene	146	4.867	4.867	(1.038)	4345424	80.0000	78
15	2,2'-oxybis(1-Chloropropane)	45	5.027	5.027	(1.072)	7235493	80.0000	77
16	2-Methylphenol	108	5.045	5.045	(1.076)	3695324	80.0000	80(A)
92	Acetophenone	105	5.158	5.158	(1.100)	5230439	80.0000	82(A)
17	Hexachloroethane	117	5.223	5.223	(1.114)	1954392	80.0000	80(A)
18	N-Nitroso-di-n-propylamine	70	5.188	5.188	(1.106)	3050196	80.0000	80(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.211	5.211	(1.111)	3890320	80.0000	80
*	20 Naphthalene-d8	136	6.048	6.048	(1.000)	2957890	20.0000	
$	21 Nitrobenzene-d5	82	5.306	5.306	(0.877)	4418879	80.0000	82(A)
	22 Nitrobenzene	77	5.324	5.324	(0.880)	4383154	80.0000	81(A)
	23 Isophorone	82	5.597	5.597	(0.925)	8344477	80.0000	82(A)
	24 2-Nitrophenol	139	5.662	5.662	(0.936)	2568638	80.0000	83(A)
	25 2,4-Dimethylphenol	122	5.763	5.763	(0.953)	3736708	80.0000	80(A)
	26 Benzoic Acid	122	6.001	6.001	(0.992)	2571732	80.0000	150(AM)
	27 Bis(2-Chloroethoxy)methane	93	5.846	5.846	(0.967)	4995789	80.0000	80(A)
	28 2,4-Dichlorophenol	162	5.935	5.935	(0.981)	3585432	80.0000	79
	29 1,2,4-Trichlorobenzene	180	6.001	6.001	(0.992)	3943228	80.0000	80
	30 Naphthalene	128	6.072	6.072	(1.004)	9809869	80.0000	66
	31 4-Chloroaniline	127	6.161	6.161	(1.019)	5247003	80.0000	81(A)
	32 Hexachlorobutadiene	225	6.226	6.226	(1.029)	2343425	80.0000	80(A)
	129 Caprolactam	113	6.612	6.612	(1.093)	1355961	80.0000	87(AM)
	33 4-Chloro-3-methylphenol	107	6.719	6.719	(1.111)	3916523	80.0000	83(A)
	34 2-Methylnaphthalene	142	6.814	6.814	(1.127)	8088547	80.0000	76
*	35 Acenaphthene-d10	164	7.906	7.906	(1.000)	1845007	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.778	6.778	(1.446)	3573925	80.0000	81(A)
	37 Hexachlorocyclopentadiene	237	6.992	6.992	(0.884)	2505941	80.0000	95(A)
	38 2,4,6-Trichlorophenol	196	7.134	7.134	(0.902)	2835088	80.0000	84(A)
	39 2,4,5-Trichlorophenol	196	7.182	7.182	(0.908)	2982480	80.0000	85(A)
$	40 2-Fluorobiphenyl	172	7.217	7.217	(0.913)	8625968	80.0000	76
	130 1,1'-Biphenyl	154	7.318	7.318	(0.926)	7997250	80.0000	65
	41 2-Chloronaphthalene	162	7.324	7.324	(0.926)	7585651	80.0000	75
	42 2-Nitroaniline	65	7.455	7.455	(0.943)	2847167	80.0000	83(A)
	43 Acenaphthylene	152	7.752	7.752	(0.980)	10687970	80.0000	65
	44 Dimethylphthalate	163	7.668	7.668	(0.970)	9644357	80.0000	81(A)
	45 2,6-Dinitrotoluene	165	7.722	7.722	(0.977)	2422189	80.0000	84(A)
	46 Acenaphthene	153	7.947	7.947	(1.005)	8201049	80.0000	77
	47 3-Nitroaniline	138	7.900	7.900	(0.999)	2842544	80.0000	86(A)
	48 2,4-Dinitrophenol	184	8.007	8.007	(1.013)	1610764	80.0000	110(A)
	49 Dibenzofuran	168	8.126	8.126	(1.028)	10007992	80.0000	67
	50 2,4-Dinitrotoluene	165	8.149	8.149	(1.031)	3273108	80.0000	83(A)
	51 4-Nitrophenol	109	8.126	8.126	(1.028)	1269548	80.0000	88(A)
	52 Fluorene	166	8.488	8.488	(1.074)	9293561	80.0000	75
	53 4-Chlorophenyl-phenylether	204	8.499	8.499	(1.075)	4615052	80.0000	76
	54 Diethylphthalate	149	8.416	8.416	(1.065)	9981238	80.0000	79
	55 4-Nitroaniline	138	8.559	8.559	(1.083)	2873475	80.0000	87(A)
$	56 2,4,6-Tribromophenol	330	8.749	8.749	(1.107)	1429470	80.0000	86(A)
*	57 Phenanthrene-d10	188	9.467	9.467	(1.000)	3285244	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.588	8.588	(0.907)	2087274	80.0000	91(A)
	59 N-Nitrosodiphenylamine (1)	169	8.642	8.642	(0.913)	7187058	80.0000	78
	60 1,2-Diphenylhydrazine	77	8.672	8.672	(0.916)	9684312	80.0000	72
	61 4-Bromophenyl-phenylether	248	9.010	9.010	(0.952)	2948014	80.0000	81(A)
	131 Atrazine	200	9.235	9.235	(0.976)	2912738	80.0000	87(A)
	62 Hexachlorobenzene	284	9.081	9.081	(0.959)	3046136	80.0000	80
	63 Pentachlorophenol	266	9.295	9.295	(0.982)	1821834	80.0000	98(A)
	64 Phenanthrene	178	9.497	9.497	(1.003)	11395262	80.0000	65
	65 Carbazole	167	9.728	9.728	(1.028)	12470527	80.0000	73
	66 Anthracene	178	9.550	9.550	(1.009)	11295684	80.0000	63
	67 Di-n-butylphthalate	149	10.114	10.114	(1.068)	11700468	80.0000	55
	68 Fluoranthene	202	10.743	10.743	(1.135)	12684920	80.0000	66
*	70 Chrysene-d12	240	12.316	12.316	(1.000)	2841036	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.897	10.897	(0.885)	3872515	80.0000	76
72	Pyrene	202	10.980	10.980	(0.892)	13159665	80.0000	74
$ 73	Terphenyl-d14	244	11.164	11.164	(0.907)	9743961	80.0000	81(A)
74	Butylbenzylphthalate	149	11.687	11.687	(0.949)	7209328	80.0000	87(A)
124	3,3'-Dimethylbenzidine	212	11.663	11.663	(0.947)	2645177	80.0000	77
75	3,3'-Dichlorobenzidine	252	12.286	12.286	(0.998)	3443075	80.0000	74
76	Benzo(a)anthracene	228	12.304	12.304	(0.999)	12782213	80.0000	78
77	Chrysene	228	12.351	12.351	(1.003)	11358465	80.0000	74
78	Bis(2-Ethylhexyl)phthalate	149	12.357	12.357	(1.003)	8526017	80.0000	86(A)
* 79	Perylene-d12	264	14.393	14.393	(1.000)	1184972	20.0000	
80	Di-n-octylphthalate	149	13.236	13.236	(0.920)	9149683	80.0000	79
81	Benzo(b)fluoranthene	252	13.788	13.788	(0.958)	7179215	80.0000	91(A)
82	Benzo(k)fluoranthene	252	13.835	13.835	(0.961)	6965258	80.0000	87(A)
83	Benzo(a)pyrene	252	14.310	14.310	(0.994)	5063237	80.0000	85(A)
84	Indeno(1,2,3-cd)pyrene	276	16.352	16.352	(1.136)	3804598	80.0000	110(A)
85	Dibenzo(a,h)anthracene	278	16.399	16.399	(1.139)	3692959	80.0000	110(A)
86	Benzo(g,h,i)perylene	276	16.868	16.868	(1.172)	3879646	80.0000	120(A)
167	Simazine	201	9.212	9.212	(0.973)	1990641	80.0000	89(A)
103	1,2,4,5-Tetrachlorobenzene	216	6.992	6.992	(0.884)	2011505	80.0000	87(A)
109	2,3,4,6-Tetrachlorophenol	232	8.274	8.274	(1.047)	2473049	80.0000	96(A)
119	Pentachloronitrobenzene	237	9.313	9.313	(0.984)	1305009	80.0000	87(A)

QC Flag Legend

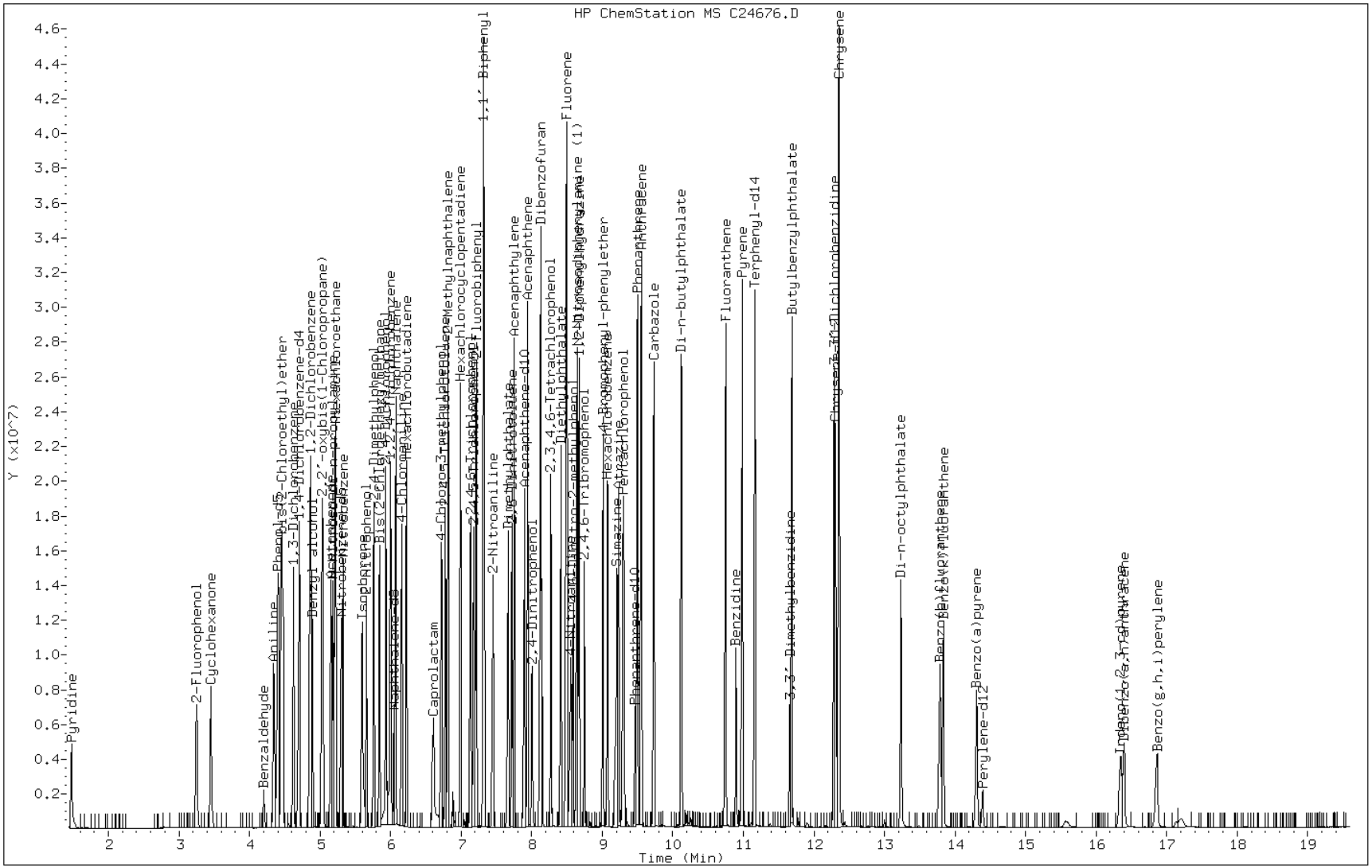
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: C24676.D

Date: 05-AUG-2011 12:26

Client ID: IC-649846 Instrument: msc.i

Sample Info: IC-649846 Operator: S.Jonas



Manual Integration Report

Data File: C24676.D
Inj. Date and Time: 05-AUG-2011 12:26
Instrument ID: msc.i
Client ID: IC-649846
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/08/2011

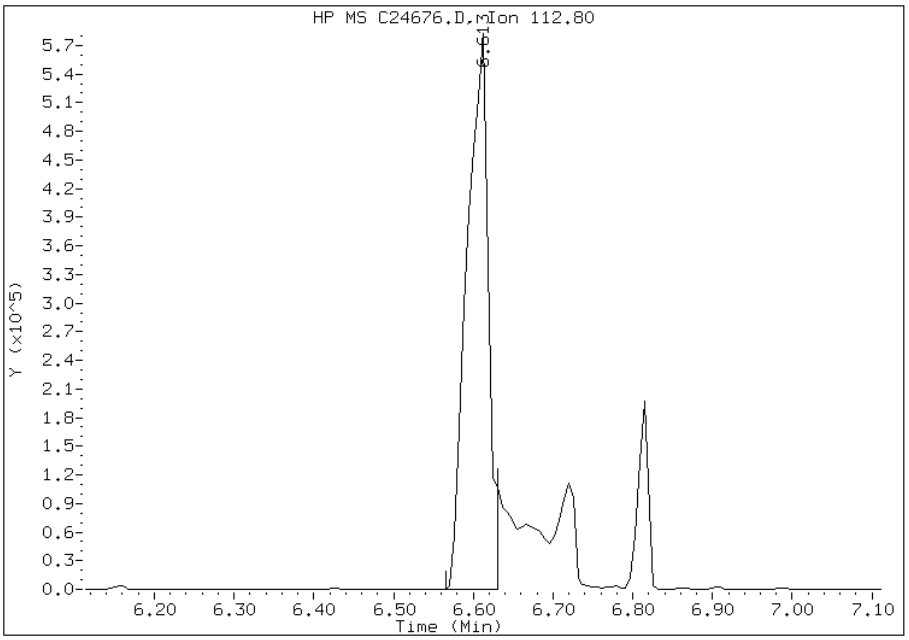
Processing Integration Results

RT: 6.61

Response: 1084024

Amount: 72

Conc: 72



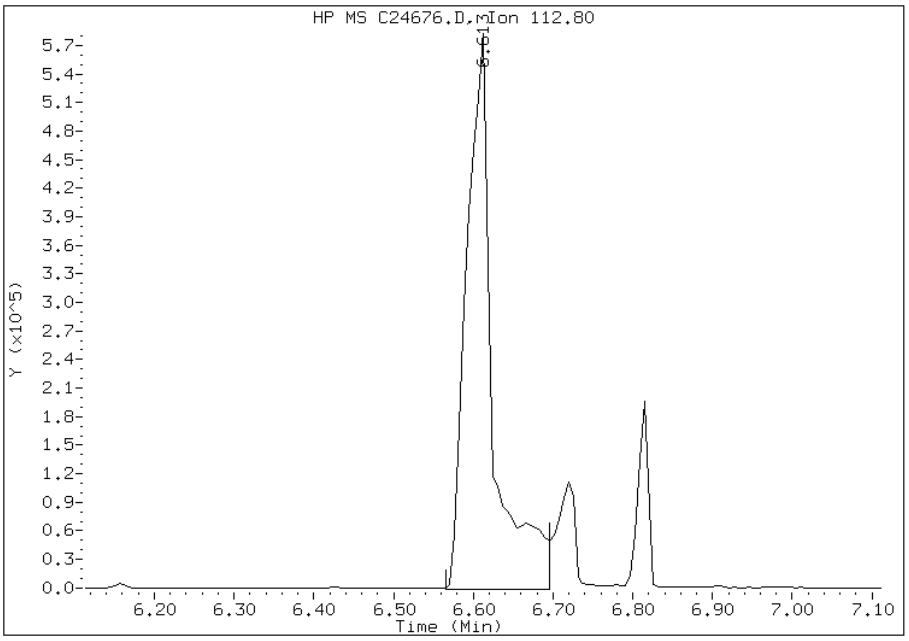
Manual Integration Results

RT: 6.61

Response: 1355961

Amount: 87

Conc: 87



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24676.D
Inj. Date and Time: 05-AUG-2011 12:26
Instrument ID: msc.i
Client ID: IC-649846
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/08/2011

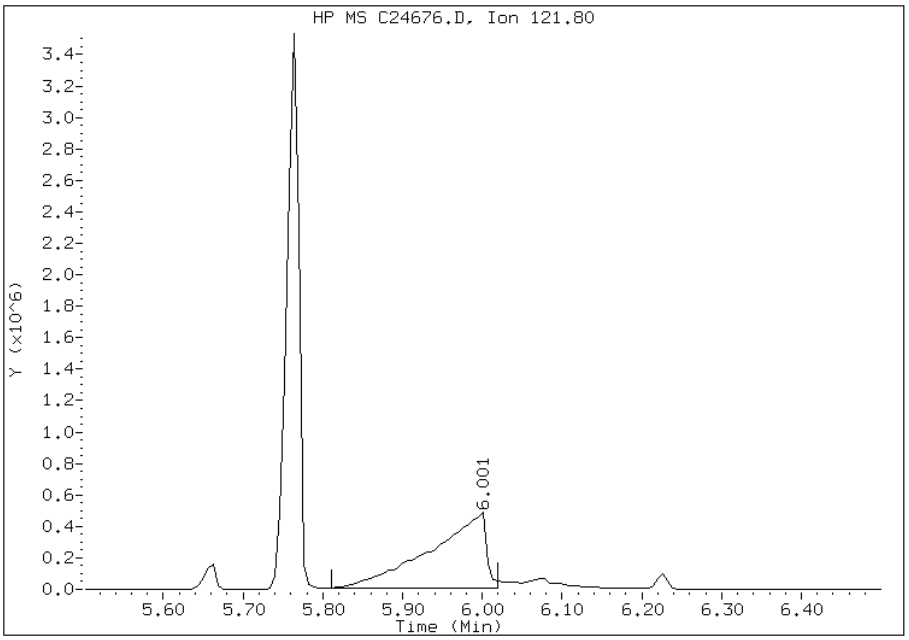
Processing Integration Results

RT: 6.00

Response: 2304168

Amount: 135

Conc: 135



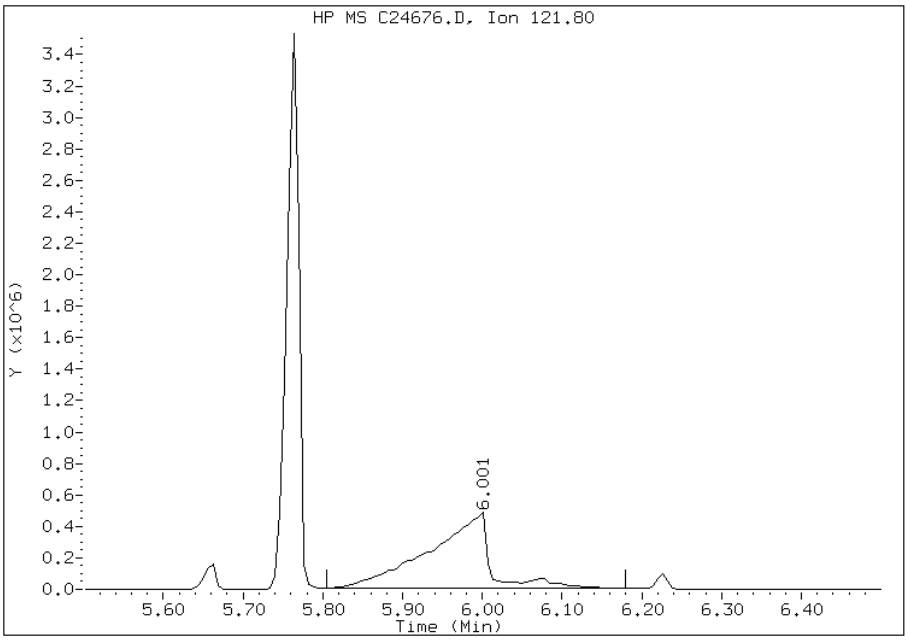
Manual Integration Results

RT: 6.00

Response: 2571732

Amount: 147

Conc: 147



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: C24676.D
Inj. Date and Time: 05-AUG-2011 12:26
Instrument ID: msc.i
Client ID: IC-649846
Compound: 5 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/08/2011

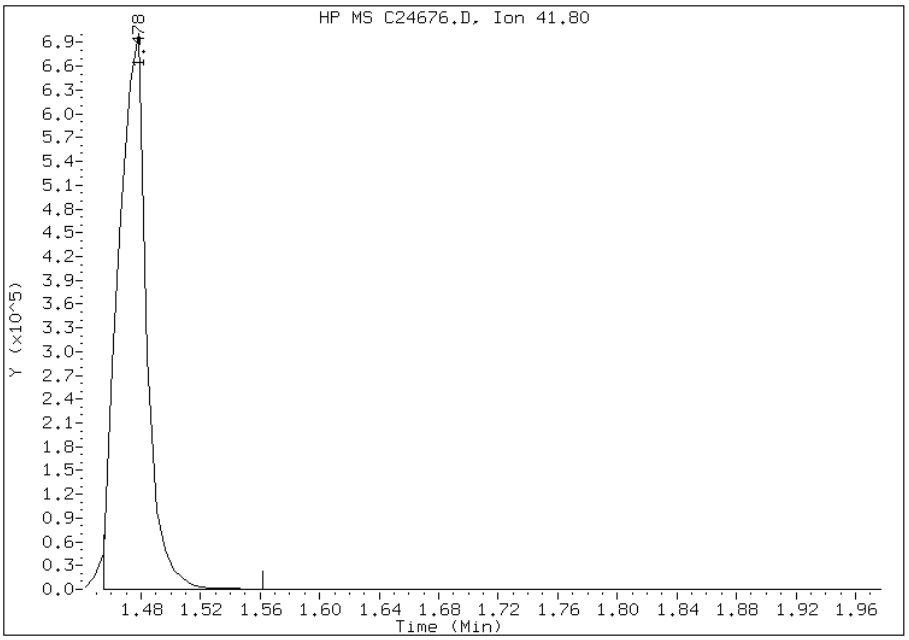
Processing Integration Results

RT: 1.48

Response: 934899

Amount: 81

Conc: 81



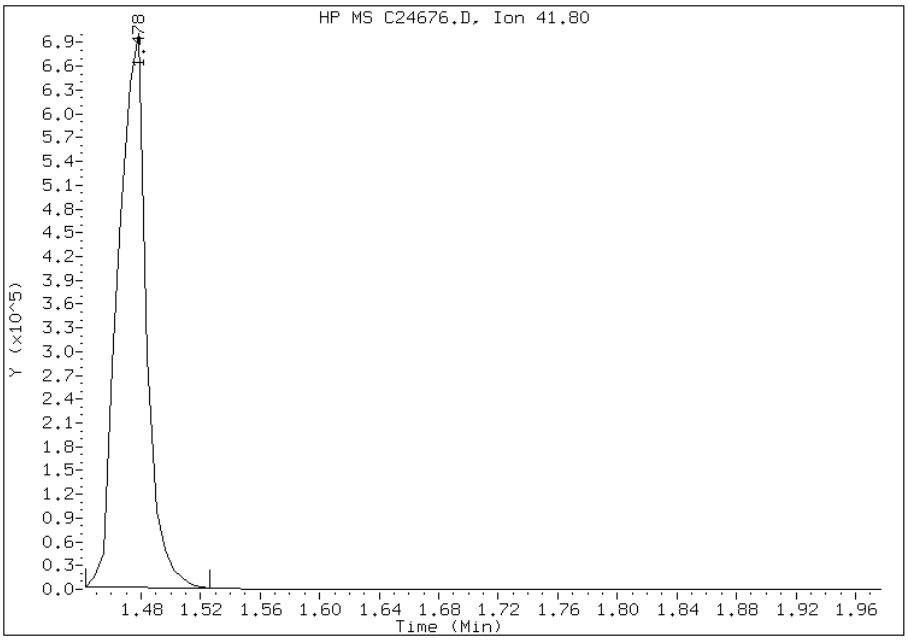
Manual Integration Results

RT: 1.48

Response: 930053

Amount: 81

Conc: 81



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53479/2	Z21888.D
Level 2	IC 220-53479/3	Z21889.D
Level 3	IC 220-53479/4	Z21890.D
Level 4	IC 220-53479/5	Z21891.D
Level 5	ICIS 220-53479/1	Z21887.D
Level 6	IC 220-53479/6	Z21892.D
Level 7	IC 220-53479/7	Z21893.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.2269 0.2339	0.2189 0.2351	0.2184	0.2163	0.2278	Ave		0.2253				3.4		15.0			
Pyridine	0.3013 0.3032	0.2844 0.3078	0.2698	0.2757	0.2991	Ave		0.2916				5.1		15.0			
Cyclohexanone	0.6358 0.3071	0.6209 0.2394	0.5525	0.4655	0.5313	Ave		0.4789				31.9	*	15.0			
Benzaldehyde	0.4125 0.5221	1.0360 0.4383	0.9920	0.8645	0.6166	Ave		0.6974				37.7	*	15.0			
Aniline	1.9982 1.8295	1.9699 1.8048	1.9076	1.7905	1.9590	Ave		1.8942				4.5		15.0			
Phenol	1.7914 1.7535	1.7444 1.6971	1.7975	1.7588	1.7359	Ave		1.7541				1.9		30.0			
Bis(2-chloroethyl)ether	1.0805 1.0508	1.0835 1.0260	1.0601	1.0359	1.0496	Ave		1.0552				2.0		15.0			
2-Chlorophenol	1.4769 1.4985	1.4555 1.4564	1.4779	1.4771	1.4494	Ave		1.4702				1.2		15.0			
1,3-Dichlorobenzene	1.6851 1.6790	1.6232 1.6416	1.6527	1.6417	1.6229	Ave		1.6494				1.5		15.0			
1,4-Dichlorobenzene	1.7233 1.7115	1.6766 1.6554	1.6727	1.6812	1.6646	Ave		1.6836				1.5		30.0			
1,2-Dichlorobenzene	1.6538 1.5357	1.6078 1.4664	1.6062	1.5726	1.5109	Ave		1.5648				4.1		15.0			
Benzyl alcohol	0.8642 0.9053	0.8908 0.9058	0.9402	0.9292	0.8868	Ave		0.9032				2.9		15.0			
2-Methylphenol	1.4040 1.3019	1.3530 1.2765	1.3722	1.3323	1.2751	Ave		1.3307				3.7		15.0			
2,2'-oxybis[1-chloropropane]	2.0280 1.6886	1.9598 1.5974	1.9257	1.8507	1.7572	Ave		1.8296				8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetophenone	2.0226 2.0813	1.9879 2.0706	2.0011	2.0117	1.9777	Ave		2.0218				2.0		15.0			
N-Nitrosodi-n-propylamine	1.1103 1.1364	1.0870 1.0893	1.0960	1.1167	1.0910	Ave		1.1038			0.0500	1.7		15.0			
Methylphenol, 3 & 4	1.4575 1.4662	1.4308 1.3923	1.4743	1.4757	1.4227	Ave		1.4457				2.2		15.0			
Hexachloroethane	0.7058 0.7168	0.6925 0.6951	0.7071	0.7024	0.6948	Ave		0.7021				1.2		15.0			
Nitrobenzene	0.3723 0.3686	0.3543 0.3574	0.3674	0.3671	0.3618	Ave		0.3641				1.8		15.0			
Isophorone	0.6737 0.7029	0.6453 0.7134	0.6670	0.6780	0.6688	Ave		0.6784				3.4		15.0			
2-Nitrophenol	0.1880 0.2062	0.1814 0.2043	0.1914	0.1994	0.1963	Ave		0.1953				4.6		30.0			
2,4-Dimethylphenol	0.2679 0.3085	0.2700 0.3013	0.2770	0.2948	0.2926	Ave		0.2875				5.5		15.0			
Bis(2-chloroethoxy)methane	0.4302 0.4316	0.4163 0.4196	0.4166	0.4263	0.4161	Ave		0.4224				1.6		15.0			
Benzoic acid	0.1762 0.2291	0.0921 0.2312	0.1417	0.1766	0.1818	Qua	0.1846	5.3750	-1.458					15.0	0.9903		0.9900
2,4-Dichlorophenol	0.2785 0.2884	0.2688 0.2810	0.2754	0.2843	0.2781	Ave		0.2792				2.3		30.0			
1,2,4-Trichlorobenzene	0.3127 0.3164	0.3021 0.3046	0.3052	0.3115	0.3079	Ave		0.3086				1.7		15.0			
Naphthalene	1.0669 1.0088	1.0230 0.9592	1.0290	1.0399	0.9945	Ave		1.0173				3.4		15.0			
4-Chloroaniline	0.3914 0.4039	0.4037 0.3851	0.4083	0.4113	0.4128	Ave		0.4024				2.6		15.0			
Hexachlorobutadiene	0.1735 0.1764	0.1624 0.1717	0.1645	0.1685	0.1706	Ave		0.1696				2.9		30.0			
Caprolactam	0.0841 0.1048	0.0840 0.1020	0.0908	0.0976	0.0991	Ave		0.0946				8.9		15.0			
4-Chloro-3-methylphenol	0.2890 0.3306	0.2851 0.3201	0.3088	0.3160	0.3136	Ave		0.3090				5.3		30.0			
2,4,5-Trichlorotoluene	1.2852 1.3676	1.2284 1.3601	1.2536	1.2817	1.2745	Ave		1.2930				4.0		15.0			
2-Methylnaphthalene	0.6946 0.6976	0.6782 0.6651	0.6852	0.6998	0.6820	Ave		0.6861				1.8		15.0			
Hexachlorocyclopentadiene	0.1610 0.2689	0.1913 0.2468	0.2344	0.2582	0.3033	Qua	0.1440	2.3283	1.5430					15.0	0.9961		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.2434 0.2428	0.1791 0.2392	0.2294	0.1910	0.2388	Ave		0.2234				12.0		15.0			
2,4,6-Trichlorophenol	0.3137 0.3631	0.3056 0.3647	0.3316	0.3383	0.3486	Ave		0.3379				6.8		30.0			
2,4,5-Trichlorophenol	0.3149 0.3847	0.3250 0.3839	0.3442	0.3491	0.3687	Ave		0.3529				7.8		15.0			
1,1'-Biphenyl	1.3604 1.2620	1.3389 1.1236	1.3702	1.3795	1.3250	Ave		1.3085				6.9		15.0			
2-Chloronaphthalene	1.1015 1.0446	1.0655 0.9797	1.0853	1.1018	1.0744	Ave		1.0647				4.0		15.0			
2-Nitroaniline	0.3156 0.3541	0.3152 0.3517	0.3276	0.3383	0.3413	Ave		0.3348				4.8		15.0			
Dimethyl phthalate	1.1908 1.3301	1.1885 1.3210	1.2223	1.2602	1.2694	Ave		1.2546				4.6		15.0			
2,6-Dinitrotoluene	0.2694 0.3217	0.2660 0.3242	0.2872	0.2977	0.3032	Ave		0.2956				7.8		15.0			
Acenaphthylene	1.7688 1.8636	1.7366 1.8030	1.8026	1.8104	1.8277	Ave		1.8018				2.3		15.0			
3-Nitroaniline	0.2904 0.3502	0.3046 0.3496	0.3185	0.3299	0.3395	Ave		0.3261				7.0		15.0			
Acenaphthene	1.1190 1.1506	1.0714 1.1110	1.1114	1.1203	1.1281	Ave		1.1160				2.1		30.0			
2,4-Dinitrophenol	0.0451 0.1861	0.0685 0.2006	0.1190	0.1385	0.1531	Qua	0.2737	6.1977	-2.007					15.0	0.9969		0.9900
4-Nitrophenol	0.1191 0.1812	0.1274 0.1888	0.1477	0.1547	0.1665	Lin	0.2260	0.1962			0.0500			15.0	0.9958		0.9900
Dibenzofuran	1.5560 1.5658	1.5013 1.4940	1.5542	1.5576	1.5468	Ave		1.5394				1.9		15.0			
2,4-Dinitrotoluene	0.3703 0.4213	0.3648 0.4160	0.3896	0.4005	0.4044	Ave		0.3953				5.5		15.0			
2,3,4,6-Tetrachlorophenol	0.2174 0.2918	0.1763 0.2976	0.2529	0.2116	0.2707	Lin	0.1481	0.3045						15.0	0.9937		0.9900
Diethyl phthalate	1.2566 1.3783	1.2281 1.3553	1.2718	1.3149	1.3223	Ave		1.3039				4.2		15.0			
Fluorene	1.2206 1.2737	1.2085 1.1787	1.2666	1.2962	1.2915	Ave		1.2480				3.6		15.0			
4-Chlorophenyl phenyl ether	0.5905 0.6217	0.5685 0.5797	0.5988	0.6121	0.6189	Ave		0.5986				3.4		15.0			
4-Nitroaniline	0.2766 0.3498	0.2870 0.3416	0.3055	0.3233	0.3326	Ave		0.3166				8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,6-Dinitro-2-methylphenol	0.0699 0.1541	0.0903 0.1621	0.1196	0.1290	0.1385	Lin	0.2857	0.1708						15.0	0.9952		0.9900
N-Nitrosodiphenylamine	0.5474 0.6031	0.5393 0.5974	0.5569	0.5734	0.5771	Ave		0.5707				4.2		30.0			
1,2-Diphenylhydrazine	0.8740 0.8885	0.8583 0.8648	0.8852	0.8987	0.8867	Ave		0.8795				1.6		15.0			
4-Bromophenyl phenyl ether	0.1955 0.2246	0.1924 0.2285	0.1988	0.2100	0.2155	Ave		0.2093				6.8		15.0			
Hexachlorobenzene	0.2088 0.2392	0.2068 0.2413	0.2158	0.2216	0.2274	Ave		0.2230				6.2		15.0			
Simazine	0.1150 0.1305	0.1152 0.1398	0.1077	0.1054	0.1263	Ave		0.1200				10.5		15.0			
Atrazine	0.1778 0.2014	0.1714 0.2103	0.1669	0.1602	0.2013	Ave		0.1842				10.7		15.0			
Pentachlorophenol	0.0610 0.1475	0.0771 0.1566	0.1063	0.1164	0.1271	Lin	0.3415	0.1666						30.0	0.9915		0.9900
Pentachloronitrobenzene	0.0841 0.0944	0.0838 0.0958	0.0901	0.0718	0.0899	Ave		0.0871				9.4		15.0			
Phenanthrene	1.0727 1.1512	1.0699 1.1391	1.0949	1.1101	1.1299	Ave		1.1097				2.9		15.0			
Anthracene	1.0823 1.1846	1.0713 1.1620	1.1095	1.1314	1.1671	Ave		1.1298				3.9		15.0			
Carbazole	0.9913 1.0901	0.9723 1.0848	1.0111	1.0309	1.0746	Ave		1.0365				4.6		15.0			
Di-n-butyl phthalate	1.2967 1.4479	1.2833 1.4253	1.3673	1.3998	1.4343	Ave		1.3792				4.8		15.0			
Fluoranthene	1.0857 1.2411	1.0660 1.2452	1.1241	1.1589	1.2016	Ave		1.1604				6.2		30.0			
Benzidine	0.1639 0.1545	0.2683 0.1348	0.2215	0.2028	0.2561	Ave		0.2003				25.7	*	15.0			
Pyrene	1.2446 1.3470	1.2250 1.3786	1.2706	1.2851	1.3095	Ave		1.2943				4.2		15.0			
3,3'-Dimethylbenzidine	0.1560 0.2075	0.2157 +++++	0.2109	0.2311	0.2810	Ave		0.2170				18.6	*	15.0			
Butyl benzyl phthalate	0.5647 0.6569	0.5655 0.6743	0.5940	0.6197	0.6420	Ave		0.6167				7.1		15.0			
3,3'-Dichlorobenzidine	0.3031 0.3543	0.2973 0.3451	0.3233	0.3357	0.3536	Ave		0.3304				7.0		15.0			
Benzo[a]anthracene	1.0725 1.1813	1.0269 1.1986	1.0737	1.0927	1.1364	Ave		1.1117				5.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chrysene	1.0250 1.1262	0.9968 1.0898	1.0380	1.0663	1.0970	Ave		1.0627				4.3		15.0			
Bis(2-ethylhexyl) phthalate	0.8038 0.7751	0.7153 0.7407	0.7188	0.7501	0.7857	Ave		0.7556				4.5		15.0			
Di-n-octyl phthalate	1.1127 1.7437	1.1298 2.0555	1.2019	1.2953	1.4945	Qua	0.0514	0.7389	-0.032					30.0	0.9995		0.9900
Benzo[b]fluoranthene	1.1525 1.4863	1.1089 1.6364	1.1710	1.2290	1.3372	Ave		1.3031				15.0		15.0			
Benzo[k]fluoranthene	1.1656 1.5236	1.1427 1.5749	1.2568	1.3099	1.3742	Ave		1.3354				12.5		15.0			
Benzo[a]pyrene	0.8985 1.0875	0.8710 1.1163	0.9183	0.9654	1.0349	Ave		0.9846				9.8		30.0			
Indeno[1,2,3-cd]pyrene	0.4578 0.4762	0.4386 0.5074	0.4773	0.4833	0.4795	Ave		0.4743				4.5		15.0			
Dibenz(a,h)anthracene	0.4067 0.4536	0.4010 0.5257	0.4416	0.4538	0.4693	Ave		0.4502				9.3		15.0			
Benzo[g,h,i]perylene	0.4180 0.4413	0.4126 0.4929	0.4415	0.4450	0.4279	Ave		0.4399				6.0		15.0			
2-Fluorophenol	1.1188 1.1846	1.0816 1.1702	1.1155	1.1308	1.1396	Ave		1.1345				3.1		15.0			
Phenol-d5	1.6385 1.6698	1.5984 1.6424	1.6178	1.6383	1.6090	Ave		1.6306				1.5		15.0			
Nitrobenzene-d5	0.3561 0.3663	0.3435 0.3633	0.3522	0.3540	0.3491	Ave		0.3549				2.2		15.0			
2-Fluorobiphenyl	1.1802 1.2240	1.1507 1.1937	1.1783	1.2020	1.1940	Ave		1.1890				1.9		15.0			
2,4,6-Tribromophenol	0.1452 0.1949	0.1511 0.1993	0.1679	0.1737	0.1785	Ave		0.1729				11.8		15.0			
Terphenyl-d14	0.8311 0.9266	0.8219 0.9461	0.8637	0.8769	0.9044	Ave		0.8815				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-53479/2	Z21888.D
Level 2	IC 220-53479/3	Z21889.D
Level 3	IC 220-53479/4	Z21890.D
Level 4	IC 220-53479/5	Z21891.D
Level 5	ICIS 220-53479/1	Z21887.D
Level 6	IC 220-53479/6	Z21892.D
Level 7	IC 220-53479/7	Z21893.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	4803 136177	9403 192476	22779	46352	90363	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyridine	DCB	Ave	6376 176502	12220 251953	28137	59082	118624	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Cyclohexanone	DCB	Ave	13457 178753	26677 195990	57615	99751	210734	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzaldehyde	DCB	Ave	8731 303929	44509 358799	103452	185277	244563	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Aniline	DCB	Ave	42292 1065010	84635 1477450	198933	383719	777017	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol	DCB	Ave	37914 1020777	74946 1389261	187448	376928	688527	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethyl)ether	DCB	Ave	22868 611716	46552 839890	110549	221993	416313	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chlorophenol	DCB	Ave	31258 872346	62533 1192205	154120	316548	574884	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,3-Dichlorobenzene	DCB	Ave	35664 977396	69740 1343820	172345	351831	643697	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,4-Dichlorobenzene	DCB	Ave	36472 996300	72035 1355082	174434	360298	660233	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Dichlorobenzene	DCB	Ave	35003 893958	69078 1200388	167504	337013	599269	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzyl alcohol	DCB	Ave	18291 527018	38271 741507	98046	199127	351729	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylphenol	DCB	Ave	29716 757863	58131 1044933	143095	285521	505774	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	42922 983017	84200 1307602	200821	396607	696973	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acetophenone	DCB	Ave	42807 1211604	85408 1694986	208676	431128	784430	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	23500 661544	46701 891680	114289	239320	432732	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Methylphenol, 3 & 4	DCB	Ave	30848 853540	61475 1139702	153749	316253	564282	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachloroethane	DCB	Ave	14939 417290	29754 568981	73734	150537	275577	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene	NPT	Ave	35964 988536	69915 1355761	175085	357388	651045	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Isophorone	NPT	Ave	65071 1885084	127336 2706316	317816	660082	1203539	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitrophenol	NPT	Ave	18162 552999	35799 775166	91190	194173	353176	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dimethylphenol	NPT	Ave	25875 827250	53285 1143148	132010	287057	526473	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-chloroethoxy)methane	NPT	Ave	41556 1157385	82153 1591717	198503	415038	748859	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzoic acid	NPT	Qua	17016 614269	45446 877114	168847	257855	327125	2.00 60.0	10.0 80.0	25.0	30.0	40.0
2,4-Dichlorophenol	NPT	Ave	26897 773338	53048 1066053	131220	276750	500425	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4-Trichlorobenzene	NPT	Ave	30205 848456	59613 1155617	145436	303262	554040	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Naphthalene	NPT	Ave	103055 2705253	201871 3638633	490286	1012438	1789649	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloroaniline	NPT	Ave	37808 1083271	79673 1460777	194551	400406	742805	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobutadiene	NPT	Ave	16758 473124	32052 651317	78359	164036	306959	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Caprolactam	NPT	Ave	8122 280943	16582 386921	43259	95009	178302	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chloro-3-methylphenol	NPT	Ave	27919 886526	56256 1214419	147131	307704	564316	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,5-Trichlorotoluene	DCB	Ave	27201 796149	52779 1113358	130727	274680	505528	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Methylnaphthalene	NPT	Ave	67089 1870636	133829 2523117	326510	681374	1227237	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorocyclopentadiene	ANT	Qua	9295 438657	22523 566982	66516	151942	324340	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	14048 396097	26365 549419	65111	140472	255401	2.00 60.0	5.00 80.0	10.0	25.0	40.0
2,4,6-Trichlorophenol	ANT	Ave	18107 592436	35991 837679	94102	199076	372801	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	45432 627630	95678 881718	244188	308151	394267	5.00 60.0	10.0 80.0	25.0	30.0	40.0
1,1'-Biphenyl	ANT	Ave	78522 2058959	157669 2580842	388885	811866	1417013	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Chloronaphthalene	ANT	Ave	63576 1704223	125480 2250297	308009	648428	1148992	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Nitroaniline	ANT	Ave	18215 577724	37120 807849	92962	199065	365016	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dimethyl phthalate	ANT	Ave	68731 2170132	139953 3034205	346896	741631	1357500	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,6-Dinitrotoluene	ANT	Ave	15549 524904	31320 744581	81519	175172	324278	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthylene	ANT	Ave	102092 3040558	204498 4141175	511583	1065414	1954598	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3-Nitroaniline	ANT	Ave	16759 571337	35867 803088	90405	194158	363036	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Acenaphthene	ANT	Ave	64585 1877164	126170 2551844	315415	659299	1206364	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrophenol	ANT	Qua	6504 303703	20158 460844	84441	122267	163755	5.00 60.0	10.0 80.0	25.0	30.0	40.0
4-Nitrophenol	ANT	Lin	17187 295645	37512 433606	104831	136582	178038	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Dibenzofuran	ANT	Ave	89807 2554621	176797 3431636	441097	916653	1654221	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4-Dinitrotoluene	ANT	Ave	21372 687335	42956 955570	110570	235710	432500	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,3,4,6-Tetrachlorophenol	ANT	Lin	12547 476052	25946 683564	71771	155662	289536	2.00 60.0	5.00 80.0	10.0	25.0	40.0
Diethyl phthalate	ANT	Ave	72528 2248741	144618 3112984	360951	773813	1414133	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluorene	ANT	Ave	70451 2078021	142314 2707274	359475	762821	1381132	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Chlorophenyl phenyl ether	ANT	Ave	34084 1014358	66952 1331471	169955	360219	661901	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4-Nitroaniline	ANT	Ave	15962 570749	33800 784578	86713	190265	355719	2.00 60.0	4.00 80.0	10.0	20.0	40.0
4,6-Dinitro-2-methylphenol	PHN	Lin	16221 414735	42811 609388	137541	184671	240688	5.00 60.0	10.0 80.0	25.0	30.0	40.0
N-Nitrosodiphenylamine	PHN	Ave	50794 1623422	102302 2245076	256127	547240	1002779	2.00 60.0	4.00 80.0	10.0	20.0	40.0
1,2-Diphenylhydrazine	PHN	Ave	81097 2391592	162803 3250303	407062	857668	1540826	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Bromophenyl phenyl ether	PHN	Ave	18141 604507	36504 858602	91431	200426	374512	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Hexachlorobenzene	PHN	Ave	19370 643786	39218 906781	99251	211528	395066	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Simazine	PHN	Ave	10667 351245	21849 525583	49542	100570	219487	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Atrazine	PHN	Ave	16499 542246	32517 790242	76753	152911	349796	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pentachlorophenol	PHN	Lin	14150 396999	36562 588637	122205	166674	220847	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Pentachloronitrobenzene	PHN	Ave	7801 254070	15893 360018	41455	85600	156134	2.00 60.0	4.00 80.0	10.0	25.0	40.0
Phenanthrene	PHN	Ave	99534 3098664	202943 4281150	503506	1059407	1963398	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Anthracene	PHN	Ave	100424 3188688	203213 4367245	510233	1079713	2028070	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Carbazole	PHN	Ave	91983 2934127	184437 4076902	464971	983876	1867295	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-butyl phthalate	PHN	Ave	120316 3897454	243414 5356438	628770	1335937	2492311	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Fluoranthene	PHN	Ave	100742 3340680	202211 4679688	516965	1105972	2087998	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzidine	CRY	Ave	13346 389022	45268 464753	91464	176506	410703	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Pyrene	CRY	Ave	101348 3391234	206701 4753073	524700	1118337	2099990	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dimethylbenzidine	CRY	Ave	12699 522449	36398 +++++	87087	201122	450617	2.00 60.0	4.00 +++++	10.0	20.0	40.0
Butyl benzyl phthalate	CRY	Ave	45984 1653754	95416 2324740	245311	539258	1029531	2.00 60.0	4.00 80.0	10.0	20.0	40.0
3,3'-Dichlorobenzidine	CRY	Ave	24681 892089	50166 1189674	133526	292175	567098	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]anthracene	CRY	Ave	87333 2974047	173286 4132380	443390	950875	1822307	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Chrysene	CRY	Ave	83467 2835347	168208 3757258	428669	927976	1759137	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	65456 1951444	120708 2553709	296821	652775	1259942	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Di-n-octyl phthalate	PRY	Qua	60976 2550092	129277 3638352	337379	772405	1561328	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[b]fluoranthene	PRY	Ave	63159 2173694	126889 2896423	328688	732873	1397000	2.00 60.0	4.00 80.0	10.0	20.0	40.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1 Analy Batch No.: 53479

SDG No.:

Instrument ID: MSZ GC Column: RXi-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/28/2011 13:54 Calibration End Date: 07/28/2011 16:46 Calibration ID: 11670

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[k]fluoranthene	PRY	Ave	63873 2228215	130759 2787531	352765	781081	1435680	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[a]pyrene	PRY	Ave	49239 1590489	99663 1975933	257769	575690	1081218	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	25089 696381	50182 898120	133973	288223	500946	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Dibenz(a,h)anthracene	PRY	Ave	22287 663351	45879 930476	123961	270587	490316	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Benzo[g,h,i]perylene	PRY	Ave	22906 645349	47211 872529	123930	265384	447039	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorophenol	DCB	Ave	23679 689602	46472 957945	116330	242326	452019	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Phenol-d5	DCB	Ave	34678 972067	68675 1344464	168713	351105	638197	2.00 60.0	4.00 80.0	10.0	20.0	40.0
Nitrobenzene-d5	NPT	Ave	34396 982232	67790 1378208	167833	344689	628231	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2-Fluorobiphenyl	ANT	Ave	68119 1996976	135513 2741704	334397	707388	1276843	2.00 60.0	4.00 80.0	10.0	20.0	40.0
2,4,6-Tribromophenol	ANT	Ave	20949 318015	44475 457668	119162	153371	190909	5.00 60.0	10.0 80.0	25.0	30.0	40.0
Terphenyl-d14	CRY	Ave	67673 2332994	138686 3261871	356674	763099	1450247	2.00 60.0	4.00 80.0	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21887.D
Lab Smp Id: ICIS-641574 Client Smp ID: ICIS-641574
Inj Date : 28-JUL-2011 13:54
Operator : S.Jonas Inst ID: msz.i
Smp Info : ICIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:50 msz.i Quant Type: ISTD
Cal Date : 28-JUL-2011 13:54 Cal File: Z21887.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.775	4.775	(1.000)	198320	20.0000	
$ 2	2-Fluorophenol	112	3.323	3.323	(0.696)	452019	40.0000	40
$ 3	Phenol-d5	99	4.461	4.461	(0.934)	638197	40.0000	39
4	Pyridine	52	1.539	1.539	(0.322)	118624	40.0000	41
5	N-Nitrosodimethylamine	42	1.530	1.530	(0.320)	90363	40.0000	40
6	Cyclohexanone	42	3.544	3.544	(0.742)	210734	40.0000	44
128	Benzaldehyde	77	4.290	4.290	(0.898)	244563	40.0000	35
7	Phenol	94	4.473	4.473	(0.937)	688527	40.0000	40
8	Aniline	93	4.430	4.430	(0.928)	777017	40.0000	41
9	bis(2-Chloroethyl)ether	63	4.529	4.529	(0.949)	416313	40.0000	40
10	2-Chlorophenol	128	4.554	4.554	(0.954)	574884	40.0000	39
11	1,3-Dichlorobenzene	146	4.709	4.709	(0.986)	643697	40.0000	39
12	1,4-Dichlorobenzene	146	4.793	4.793	(1.004)	660233	40.0000	40
13	Benzyl alcohol	108	4.964	4.964	(1.040)	351729	40.0000	39
14	1,2-Dichlorobenzene	146	4.955	4.955	(1.038)	599269	40.0000	39
15	2,2'-oxybis(1-Chloropropane)	45	5.113	5.113	(1.071)	696973	40.0000	38
16	2-Methylphenol	108	5.113	5.113	(1.071)	505774	40.0000	38
92	Acetophenone	105	5.235	5.235	(1.096)	784430	40.0000	39
17	Hexachloroethane	117	5.316	5.316	(1.113)	275577	40.0000	40
18	N-Nitroso-di-n-propylamine	70	5.260	5.260	(1.102)	432732	40.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.281	5.281	(1.106)	564282	40.0000	39
*	20 Naphthalene-d8	136	6.139	6.139	(1.000)	899774	20.0000	
$	21 Nitrobenzene-d5	82	5.384	5.384	(0.877)	628231	40.0000	39
	22 Nitrobenzene	77	5.403	5.403	(0.880)	651045	40.0000	40
	23 Isophorone	82	5.673	5.673	(0.924)	1203539	40.0000	39
	24 2-Nitrophenol	139	5.744	5.744	(0.936)	353176	40.0000	40
	25 2,4-Dimethylphenol	122	5.838	5.838	(0.951)	526473	40.0000	41
	26 Benzoic Acid	122	6.018	6.018	(0.980)	327125	40.0000	39(M)
	27 Bis(2-Chloroethoxy)methane	93	5.925	5.925	(0.965)	748859	40.0000	39
	28 2,4-Dichlorophenol	162	6.012	6.012	(0.979)	500425	40.0000	40
	29 1,2,4-Trichlorobenzene	180	6.089	6.089	(0.992)	554040	40.0000	40
	30 Naphthalene	128	6.161	6.161	(1.004)	1789649	40.0000	39
	31 4-Chloroaniline	127	6.239	6.239	(1.016)	742805	40.0000	41
	32 Hexachlorobutadiene	225	6.316	6.316	(1.029)	306959	40.0000	40
	129 Caprolactam	113	6.658	6.658	(1.085)	178302	40.0000	42(M)
	33 4-Chloro-3-methylphenol	107	6.792	6.792	(1.106)	564316	40.0000	40
	34 2-Methylnaphthalene	142	6.901	6.901	(1.124)	1227237	40.0000	40
*	35 Acenaphthene-d10	164	7.998	7.998	(1.000)	534707	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.866	6.866	(1.438)	505528	40.0000	39
	37 Hexachlorocyclopentadiene	237	7.081	7.081	(0.885)	324340	40.0000	42
	38 2,4,6-Trichlorophenol	196	7.218	7.218	(0.902)	372801	40.0000	41
	39 2,4,5-Trichlorophenol	196	7.258	7.258	(0.908)	394267	40.0000	42
$	40 2-Fluorobiphenyl	172	7.305	7.305	(0.913)	1276843	40.0000	40
	130 1,1'-Biphenyl	154	7.404	7.404	(0.926)	1417013	40.0000	40
	41 2-Chloronaphthalene	162	7.413	7.413	(0.927)	1148992	40.0000	40
	42 2-Nitroaniline	65	7.538	7.538	(0.942)	365016	40.0000	41
	43 Acenaphthylene	152	7.846	7.846	(0.981)	1954598	40.0000	40
	44 Dimethylphthalate	163	7.752	7.752	(0.969)	1357500	40.0000	40
	45 2,6-Dinitrotoluene	165	7.802	7.802	(0.976)	324278	40.0000	41
	46 Acenaphthene	153	8.035	8.035	(1.005)	1206364	40.0000	40
	47 3-Nitroaniline	138	7.976	7.976	(0.997)	363036	40.0000	42
	48 2,4-Dinitrophenol	184	8.082	8.082	(1.010)	163755	40.0000	40
	49 Dibenzofuran	168	8.218	8.218	(1.028)	1654221	40.0000	40
	50 2,4-Dinitrotoluene	165	8.225	8.225	(1.028)	432500	40.0000	41
	51 4-Nitrophenol	109	8.187	8.187	(1.024)	178038	40.0000	38
	52 Fluorene	166	8.582	8.582	(1.073)	1381132	40.0000	41
	53 4-Chlorophenyl-phenylether	204	8.591	8.591	(1.074)	661901	40.0000	41
	54 Diethylphthalate	149	8.498	8.498	(1.063)	1414133	40.0000	40
	55 4-Nitroaniline	138	8.629	8.629	(1.079)	355719	40.0000	42
$	56 2,4,6-Tribromophenol	330	8.837	8.837	(1.105)	190909	40.0000	41
*	57 Phenanthrene-d10	188	9.564	9.564	(1.000)	868813	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.657	8.657	(0.905)	240688	40.0000	38
	59 N-Nitrosodiphenylamine (1)	169	8.725	8.725	(0.912)	1002779	40.0000	40
	60 1,2-Diphenylhydrazine	77	8.762	8.762	(0.916)	1540826	40.0000	40
	61 4-Bromophenyl-phenylether	248	9.104	9.104	(0.952)	374512	40.0000	41
	131 Atrazine	200	9.313	9.313	(0.974)	349796	40.0000	44
	62 Hexachlorobenzene	284	9.170	9.170	(0.959)	395066	40.0000	41
	63 Pentachlorophenol	266	9.384	9.384	(0.981)	220847	40.0000	37
	64 Phenanthrene	178	9.592	9.592	(1.003)	1963398	40.0000	41
	65 Carbazole	167	9.825	9.825	(1.027)	1867295	40.0000	41
	66 Anthracene	178	9.648	9.648	(1.009)	2028070	40.0000	41
	67 Di-n-butylphthalate	149	10.217	10.217	(1.068)	2492311	40.0000	42
	68 Fluoranthene	202	10.848	10.848	(1.134)	2087998	40.0000	41
*	70 Chrysene-d12	240	12.430	12.430	(1.000)	801815	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.997	10.997	(0.885)	410703	40.0000	51
72	Pyrene	202	11.084	11.084	(0.892)	2099990	40.0000	40
$ 73	Terphenyl-d14	244	11.261	11.261	(0.906)	1450247	40.0000	41
74	Butylbenzylphthalate	149	11.790	11.790	(0.948)	1029531	40.0000	42
124	3,3'-Dimethylbenzidine	212	11.765	11.765	(0.946)	450617	40.0000	52
75	3,3'-Dichlorobenzidine	252	12.396	12.396	(0.997)	567098	40.0000	43
76	Benzo(a)anthracene	228	12.414	12.414	(0.999)	1822307	40.0000	41
77	Chrysene	228	12.467	12.467	(1.003)	1759137	40.0000	41
78	Bis(2-Ethylhexyl)phthalate	149	12.477	12.477	(1.004)	1259942	40.0000	42
* 79	Perylene-d12	264	14.562	14.562	(1.000)	522358	20.0000	
80	Di-n-octylphthalate	149	13.375	13.375	(0.918)	1561328	40.0000	40
81	Benzo(b)fluoranthene	252	13.940	13.940	(0.957)	1397000	40.0000	41
82	Benzo(k)fluoranthene	252	13.987	13.987	(0.961)	1435680	40.0000	41
83	Benzo(a)pyrene	252	14.469	14.469	(0.994)	1081218	40.0000	42
84	Indeno(1,2,3-cd)pyrene	276	16.530	16.530	(1.135)	500946	40.0000	40
85	Dibenzo(a,h)anthracene	278	16.582	16.582	(1.139)	490316	40.0000	42
86	Benzo(g,h,i)perylene	276	17.045	17.045	(1.171)	447039	40.0000	39
167	Simazine	201	9.285	9.285	(0.971)	219487	40.0000	42
103	1,2,4,5-Tetrachlorobenzene	216	7.081	7.081	(0.885)	255401	40.0000	43
109	2,3,4,6-Tetrachlorophenol	232	8.361	8.361	(1.045)	289536	40.0000	38
119	Pentachloronitrobenzene	237	9.400	9.400	(0.983)	156134	40.0000	41

QC Flag Legend

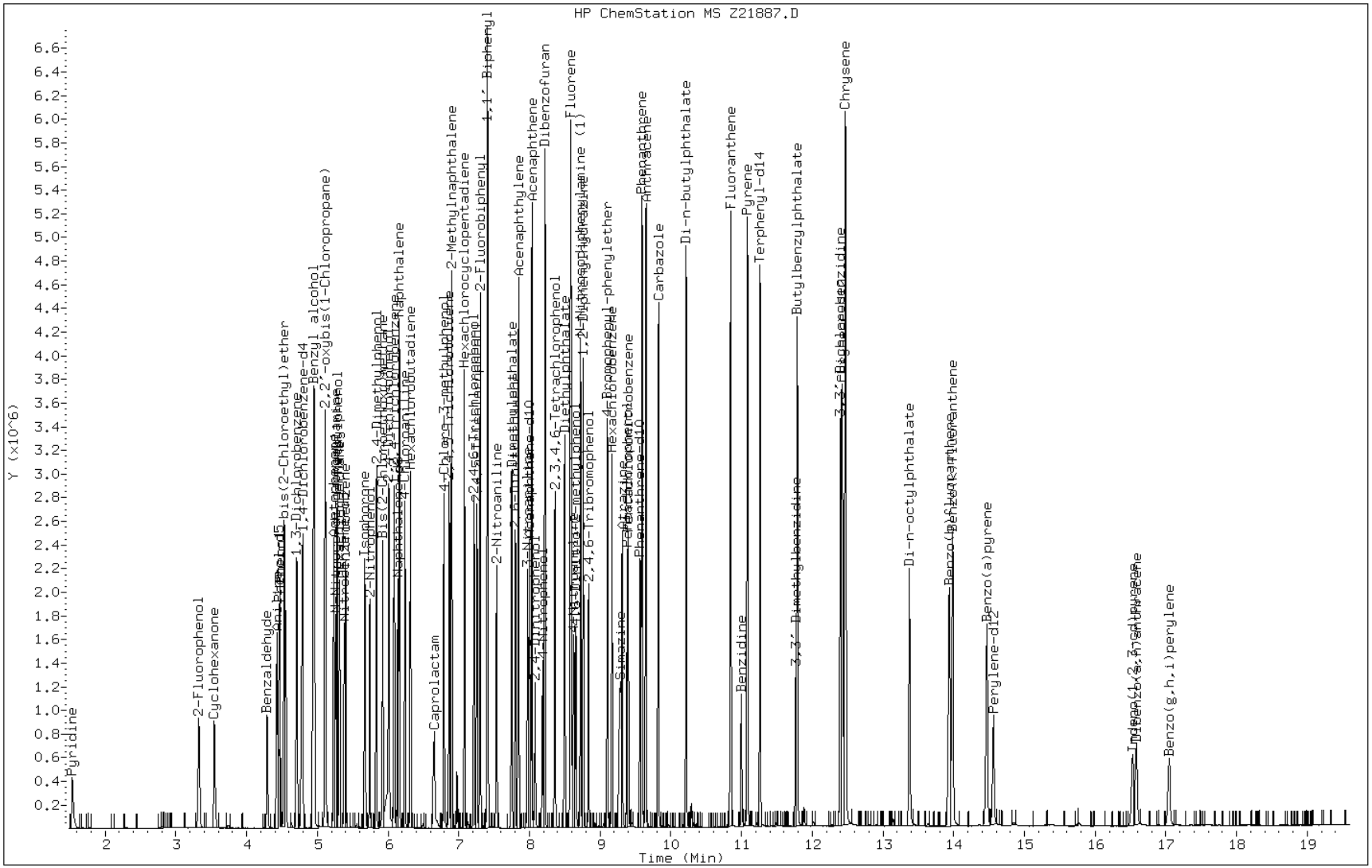
M - Compound response manually integrated.

Data File: Z21887.D

Date: 28-JUL-2011 13:54

Client ID: ICIS-641574 Instrument: msz.i

Sample Info: ICIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: Z21887.D
Inj. Date and Time: 28-JUL-2011 13:54
Instrument ID: msz.i
Client ID: ICIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

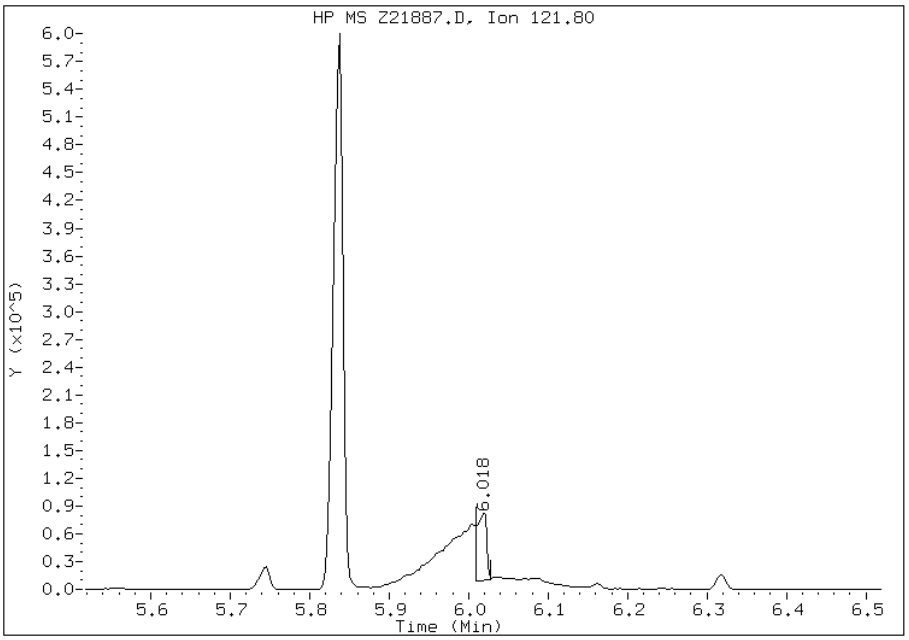
Processing Integration Results

RT: 6.02

Response: 64640

Amount: 40

Conc: 40



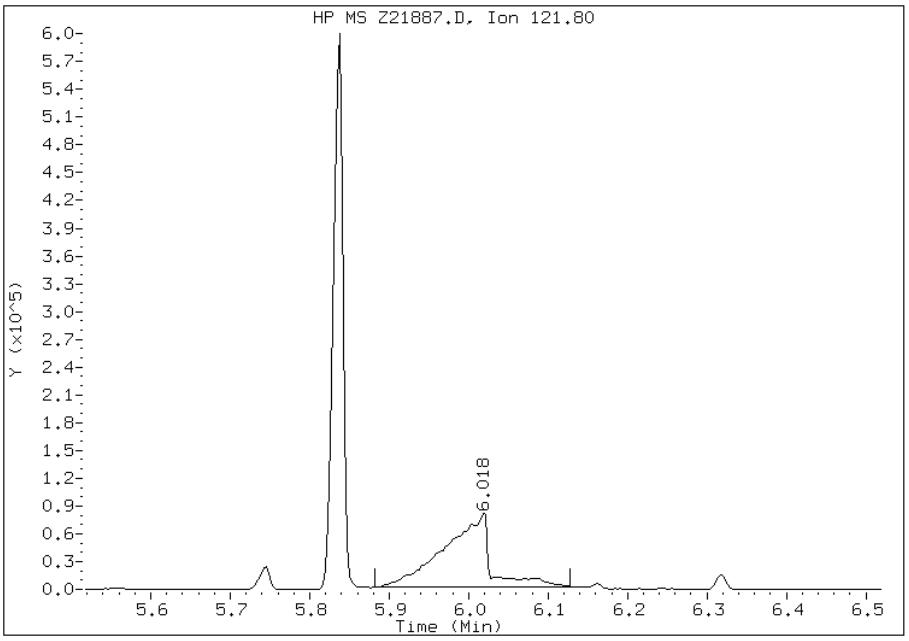
Manual Integration Results

RT: 6.02

Response: 327125

Amount: 39

Conc: 39



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21887.D
Inj. Date and Time: 28-JUL-2011 13:54
Instrument ID: msz.i
Client ID: ICIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

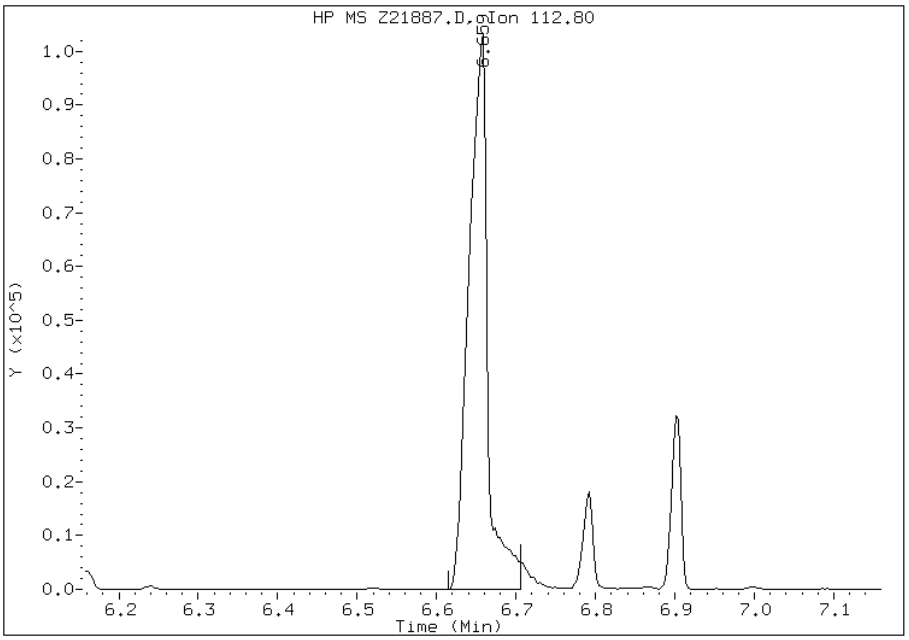
Processing Integration Results

RT: 6.66

Response: 174748

Amount: 40

Conc: 40



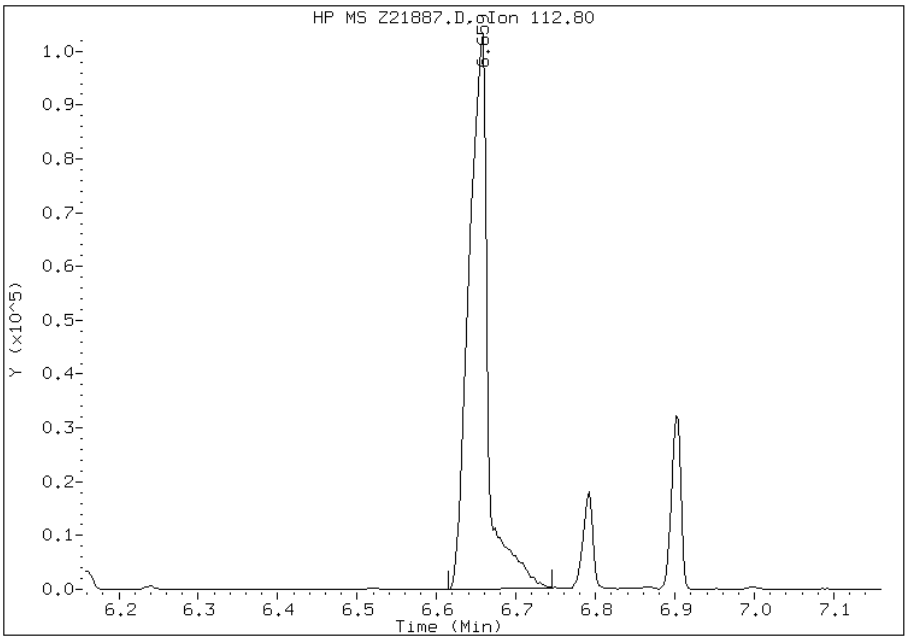
Manual Integration Results

RT: 6.66

Response: 178302

Amount: 42

Conc: 42



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21888.D
Lab Smp Id: IC-635513 Client Smp ID: IC-635513
Inj Date : 28-JUL-2011 14:25
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635513
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 14:25 Cal File: Z21888.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.772	4.772	(1.000)	211646	20.0000	
$ 2	2-Fluorophenol	112	3.323	3.323	(0.696)	23679	2.00000	2
$ 3	Phenol-d5	99	4.442	4.442	(0.931)	34678	2.00000	2
5	N-Nitrosodimethylamine	42	1.539	1.539	(0.323)	4803	2.00000	2
6	Cyclohexanone	42	3.547	3.547	(0.743)	13457	2.00000	3
128	Benzaldehyde	77	4.293	4.293	(0.900)	8731	2.00000	1
7	Phenol	94	4.458	4.458	(0.934)	37914	2.00000	2
8	Aniline	93	4.423	4.423	(0.927)	42292	2.00000	2
9	bis(2-Chloroethyl)ether	63	4.520	4.520	(0.947)	22868	2.00000	2
10	2-Chlorophenol	128	4.548	4.548	(0.953)	31258	2.00000	2
11	1,3-Dichlorobenzene	146	4.706	4.706	(0.986)	35664	2.00000	2
12	1,4-Dichlorobenzene	146	4.790	4.790	(1.004)	36472	2.00000	2
13	Benzyl alcohol	108	4.952	4.952	(1.038)	18291	2.00000	2
14	1,2-Dichlorobenzene	146	4.952	4.952	(1.038)	35003	2.00000	2
15	2,2'-oxybis(1-Chloropropane)	45	5.110	5.110	(1.071)	42922	2.00000	2
16	2-Methylphenol	108	5.101	5.101	(1.069)	29716	2.00000	2
92	Acetophenone	105	5.222	5.222	(1.094)	42807	2.00000	2
17	Hexachloroethane	117	5.312	5.312	(1.113)	14939	2.00000	2
18	N-Nitroso-di-n-propylamine	70	5.244	5.244	(1.099)	23500	2.00000	2
19	4-Methylphenol	108	5.269	5.269	(1.104)	30848	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
*	20 Naphthalene-d8	136	6.133	6.133	(1.000)	965910	20.0000	
$	21 Nitrobenzene-d5	82	5.375	5.375	(0.876)	34396	2.00000	2
	22 Nitrobenzene	77	5.393	5.393	(0.879)	35964	2.00000	2
	23 Isophorone	82	5.657	5.657	(0.922)	65071	2.00000	2
	24 2-Nitrophenol	139	5.738	5.738	(0.936)	18162	2.00000	2
	25 2,4-Dimethylphenol	122	5.825	5.825	(0.950)	25875	2.00000	2
	26 Benzoic Acid	122	5.918	5.918	(0.965)	17016	2.00000	3(M)
	27 Bis(2-Chloroethoxy)methane	93	5.915	5.915	(0.965)	41556	2.00000	2
	28 2,4-Dichlorophenol	162	6.002	6.002	(0.979)	26897	2.00000	2
	29 1,2,4-Trichlorobenzene	180	6.083	6.083	(0.992)	30205	2.00000	2
	30 Naphthalene	128	6.155	6.155	(1.004)	103055	2.00000	2
	31 4-Chloroaniline	127	6.232	6.232	(1.016)	37808	2.00000	2
	32 Hexachlorobutadiene	225	6.313	6.313	(1.029)	16758	2.00000	2
	129 Caprolactam	113	6.571	6.571	(1.071)	8122	2.00000	2(M)
	33 4-Chloro-3-methylphenol	107	6.776	6.776	(1.105)	27919	2.00000	2
	34 2-Methylnaphthalene	142	6.894	6.894	(1.124)	67089	2.00000	2
*	35 Acenaphthene-d10	164	7.995	7.995	(1.000)	577179	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.860	6.860	(1.438)	27201	2.00000	2
	37 Hexachlorocyclopentadiene	237	7.078	7.078	(0.885)	9295	2.00000	4
	38 2,4,6-Trichlorophenol	196	7.208	7.208	(0.902)	18107	2.00000	2
	39 2,4,5-Trichlorophenol	196	7.246	7.246	(0.906)	45432	5.00000	4
$	40 2-Fluorobiphenyl	172	7.295	7.295	(0.913)	68119	2.00000	2
	130 1,1'-Biphenyl	154	7.395	7.395	(0.925)	78522	2.00000	2
	41 2-Chloronaphthalene	162	7.404	7.404	(0.926)	63576	2.00000	2
	42 2-Nitroaniline	65	7.522	7.522	(0.941)	18215	2.00000	2
	43 Acenaphthylene	152	7.839	7.839	(0.981)	102092	2.00000	2
	44 Dimethylphthalate	163	7.737	7.737	(0.968)	68731	2.00000	2
	45 2,6-Dinitrotoluene	165	7.786	7.786	(0.974)	15549	2.00000	2
	46 Acenaphthene	153	8.026	8.026	(1.004)	64585	2.00000	2
	47 3-Nitroaniline	138	7.960	7.960	(0.996)	16759	2.00000	2
	48 2,4-Dinitrophenol	184	8.069	8.069	(1.009)	6504	5.00000	10
	49 Dibenzofuran	168	8.209	8.209	(1.027)	89807	2.00000	2
	50 2,4-Dinitrotoluene	165	8.209	8.209	(1.027)	21372	2.00000	2
	51 4-Nitrophenol	109	8.166	8.166	(1.021)	17187	5.00000	4
	52 Fluorene	166	8.573	8.573	(1.072)	70451	2.00000	2
	53 4-Chlorophenyl-phenylether	204	8.585	8.585	(1.074)	34084	2.00000	2
	54 Diethylphthalate	149	8.483	8.483	(1.061)	72528	2.00000	2
	55 4-Nitroaniline	138	8.598	8.598	(1.075)	15962	2.00000	2
$	56 2,4,6-Tribromophenol	330	8.828	8.828	(1.104)	20949	5.00000	4
*	57 Phenanthrene-d10	188	9.561	9.561	(1.000)	927862	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.635	8.635	(0.903)	16221	5.00000	8
	59 N-Nitrosodiphenylamine (1)	169	8.713	8.713	(0.911)	50794	2.00000	2
	60 1,2-Diphenylhydrazine	77	8.750	8.750	(0.915)	81097	2.00000	2
	61 4-Bromophenyl-phenylether	248	9.098	9.098	(0.952)	18141	2.00000	2
	131 Atrazine	200	9.288	9.288	(0.971)	16499	2.00000	2
	62 Hexachlorobenzene	284	9.160	9.160	(0.958)	19370	2.00000	2
	63 Pentachlorophenol	266	9.372	9.372	(0.980)	14150	5.00000	9
	64 Phenanthrene	178	9.583	9.583	(1.002)	99534	2.00000	2
	65 Carbazole	167	9.813	9.813	(1.026)	91983	2.00000	2
	66 Anthracene	178	9.633	9.633	(1.007)	100424	2.00000	2
	67 Di-n-butylphthalate	149	10.211	10.211	(1.068)	120316	2.00000	2
	68 Fluoranthene	202	10.835	10.835	(1.133)	100742	2.00000	2
*	70 Chrysene-d12	240	12.417	12.417	(1.000)	814297	20.0000	
	72 Pyrene	202	11.072	11.072	(0.892)	101348	2.00000	2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	73 Terphenyl-d14	244	11.252	11.252	(0.906)	67673	2.00000	2
	74 Butylbenzylphthalate	149	11.780	11.780	(0.949)	45984	2.00000	2
	75 3,3'-Dichlorobenzidine	252	12.383	12.383	(0.997)	24681	2.00000	2
	76 Benzo(a)anthracene	228	12.402	12.402	(0.999)	87333	2.00000	2
	77 Chrysene	228	12.445	12.445	(1.002)	83467	2.00000	2
	78 Bis(2-Ethylhexyl)phthalate	149	12.470	12.470	(1.004)	65456	2.00000	2
*	79 Perylene-d12	264	14.553	14.553	(1.000)	547995	20.0000	
	80 Di-n-octylphthalate	149	13.365	13.365	(0.918)	60976	2.00000	3(M)
	81 Benzo(b)fluoranthene	252	13.912	13.912	(0.956)	63159	2.00000	2
	82 Benzo(k)fluoranthene	252	13.959	13.959	(0.959)	63873	2.00000	2
	83 Benzo(a)pyrene	252	14.444	14.444	(0.993)	49239	2.00000	2(M)
	84 Indeno(1,2,3-cd)pyrene	276	16.511	16.511	(1.135)	25089	2.00000	2(M)
	85 Dibenzo(a,h)anthracene	278	16.561	16.561	(1.138)	22287	2.00000	2(M)
	86 Benzo(g,h,i)perylene	276	17.024	17.024	(1.170)	22906	2.00000	2(M)
	167 Simazine	201	9.253	9.253	(0.968)	10667	2.00000	3(H)
	103 1,2,4,5-Tetrachlorobenzene	216	7.078	7.078	(0.885)	14048	2.00000	2
	109 2,3,4,6-Tetrachlorophenol	232	8.352	8.352	(1.045)	12547	2.00000	4
	119 Pentachloronitrobenzene	237	9.387	9.387	(0.982)	7801	2.00000	2

QC Flag Legend

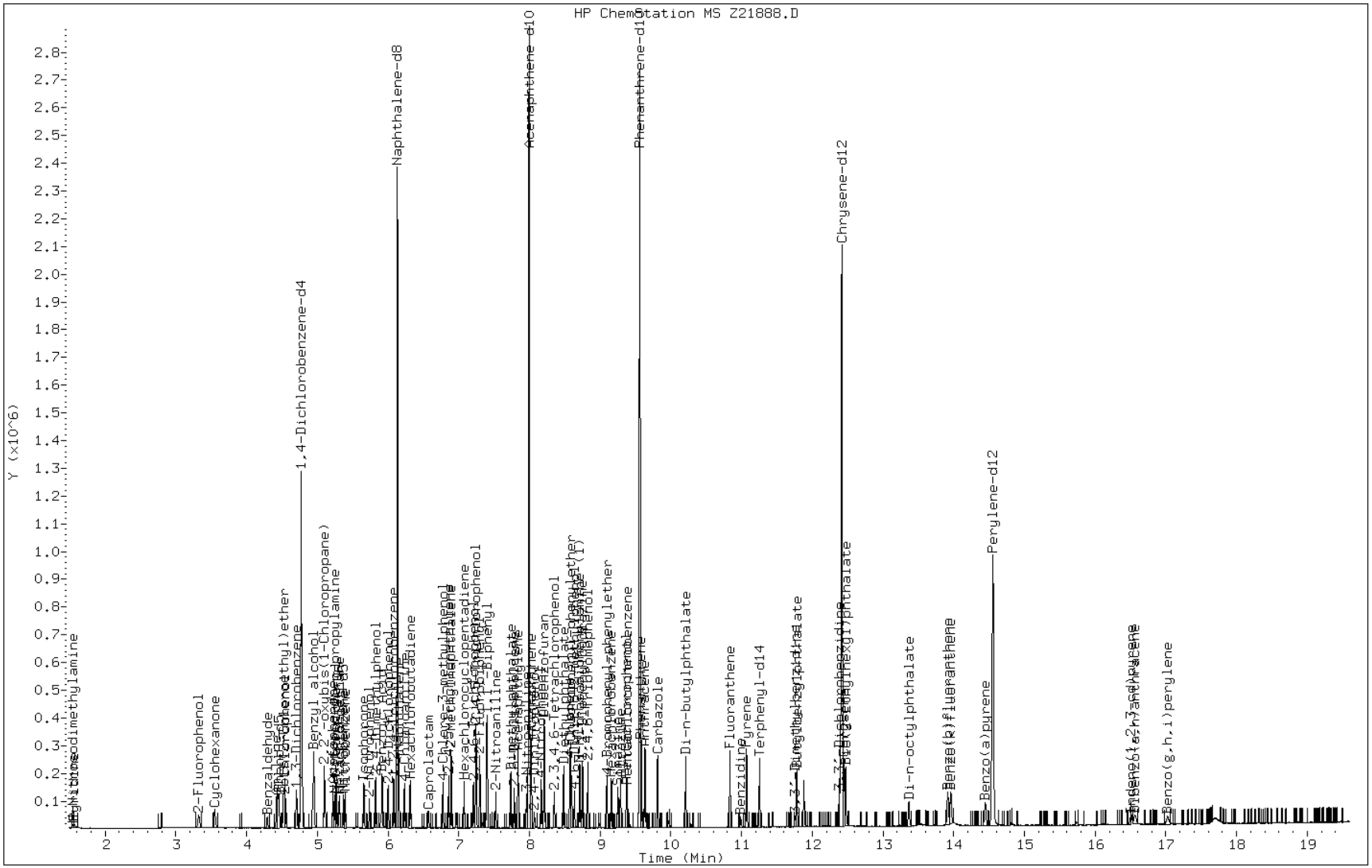
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21888.D

Date: 28-JUL-2011 14:25

Client ID: IC-635513 Instrument: msz.i

Sample Info: IC-635513 Operator: S.Jonas



Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 85 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 08/01/2011

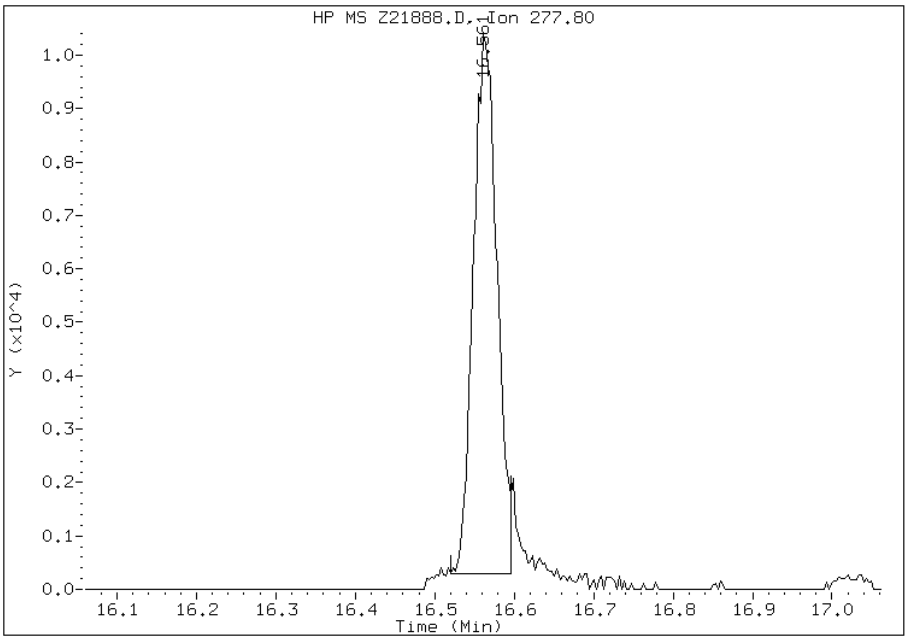
Processing Integration Results

RT: 16.56

Response: 21445

Amount: 2

Conc: 2



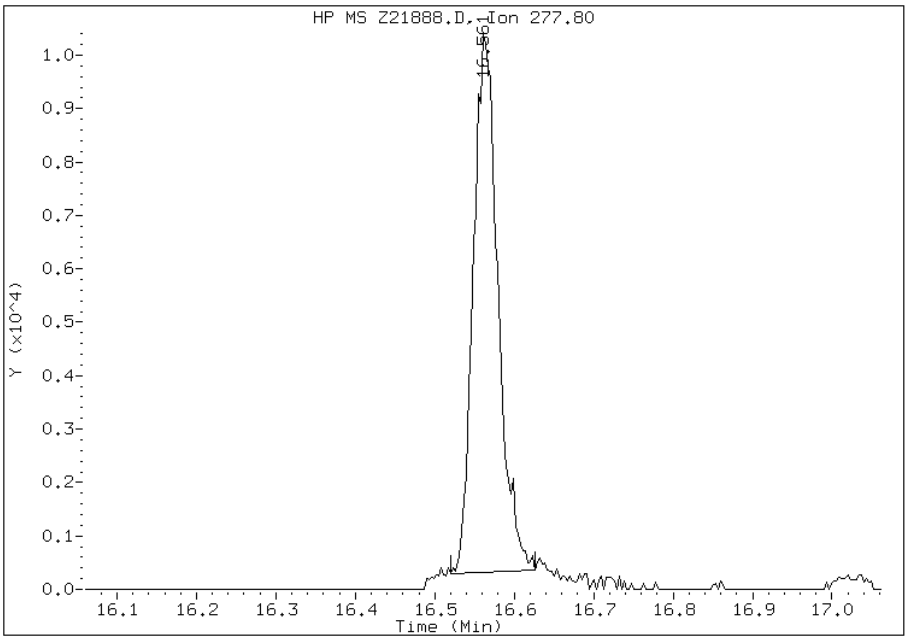
Manual Integration Results

RT: 16.56

Response: 22287

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

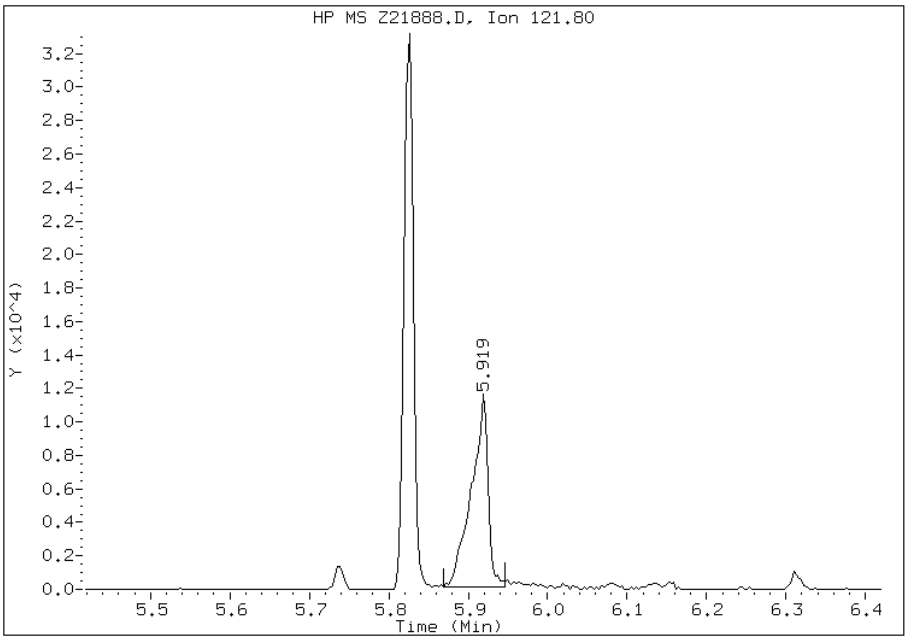
Processing Integration Results

RT: 5.92

Response: 17016

Amount: 3

Conc: 3



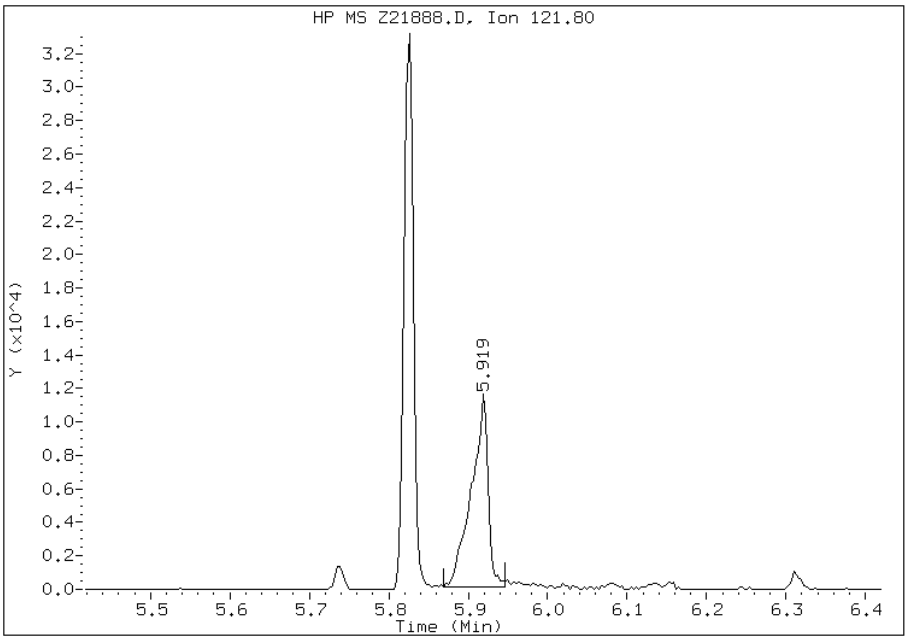
Manual Integration Results

RT: 5.92

Response: 17016

Amount: 3

Conc: 3



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 83 Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 08/01/2011

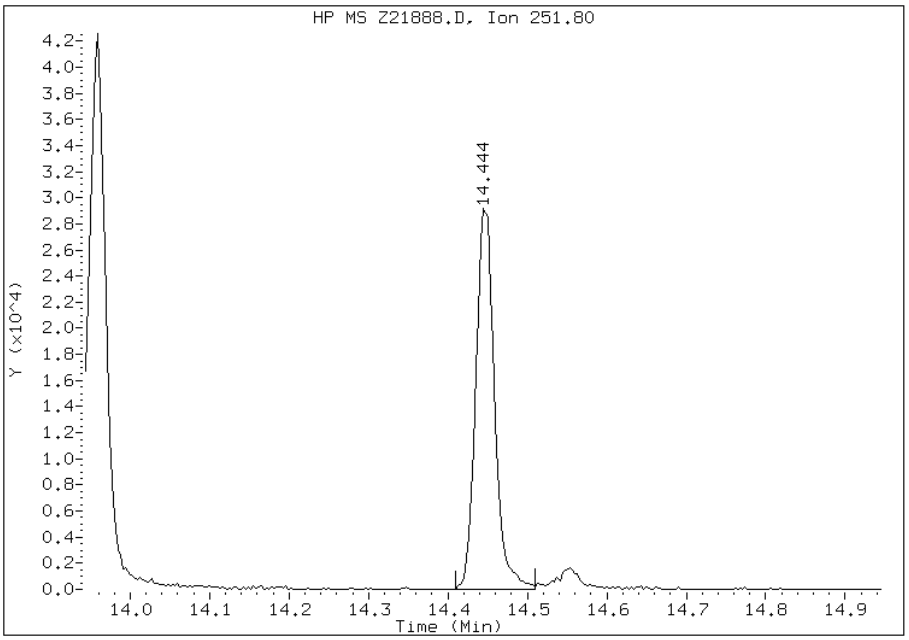
Processing Integration Results

RT: 14.44

Response: 49239

Amount: 2

Conc: 2



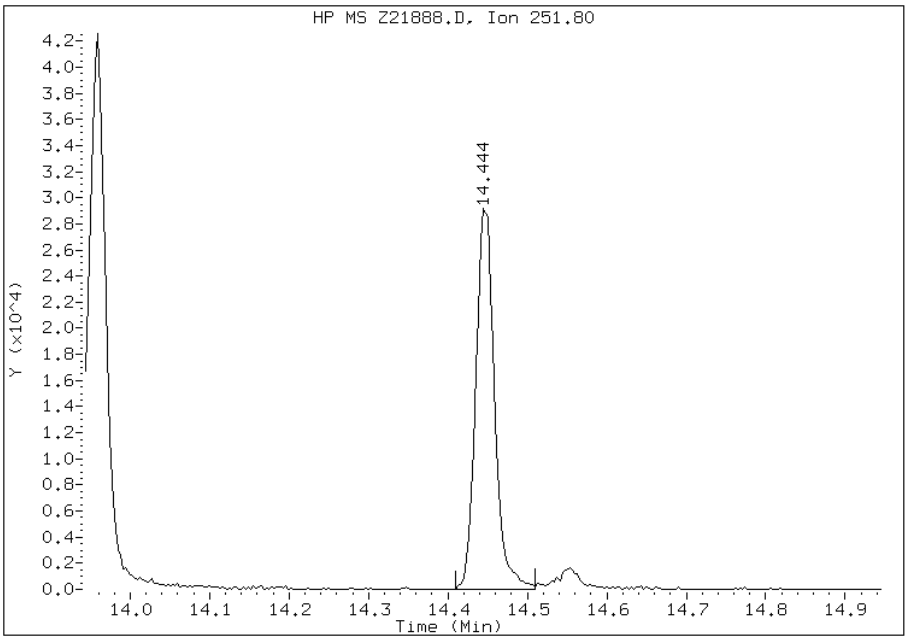
Manual Integration Results

RT: 14.44

Response: 49239

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/01/2011

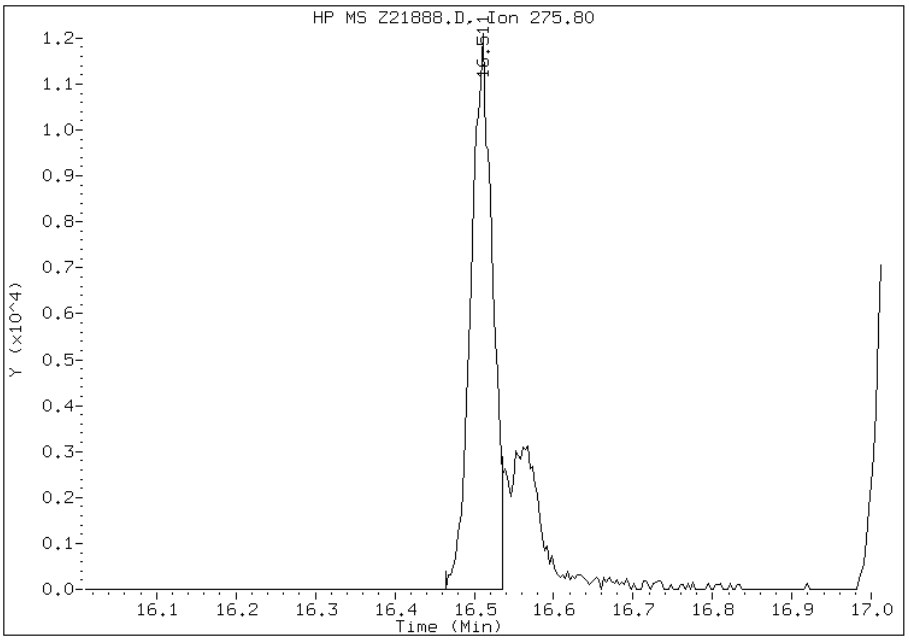
Processing Integration Results

RT: 16.51

Response: 23459

Amount: 2

Conc: 2



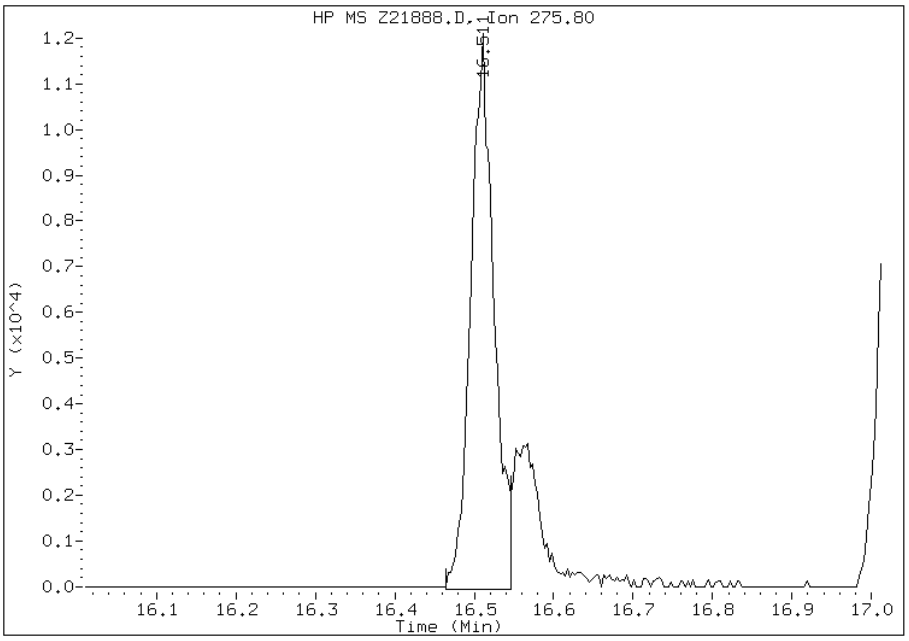
Manual Integration Results

RT: 16.51

Response: 25089

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

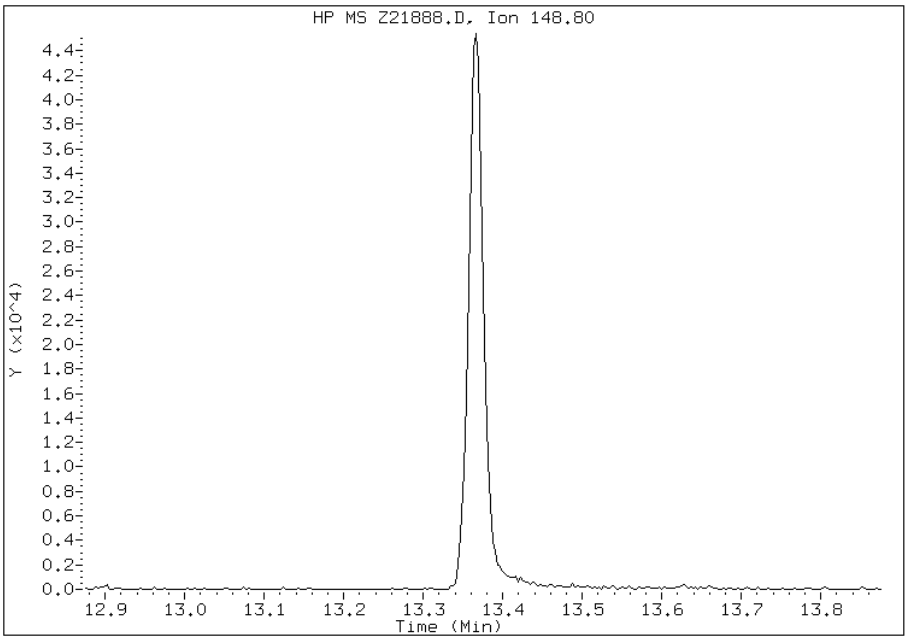
Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 80 Di-n-octylphthalate
CAS #: 117-84-0
Report Date: 08/01/2011

Processing Integration Results

Not Detected

Expected RT: 13.38



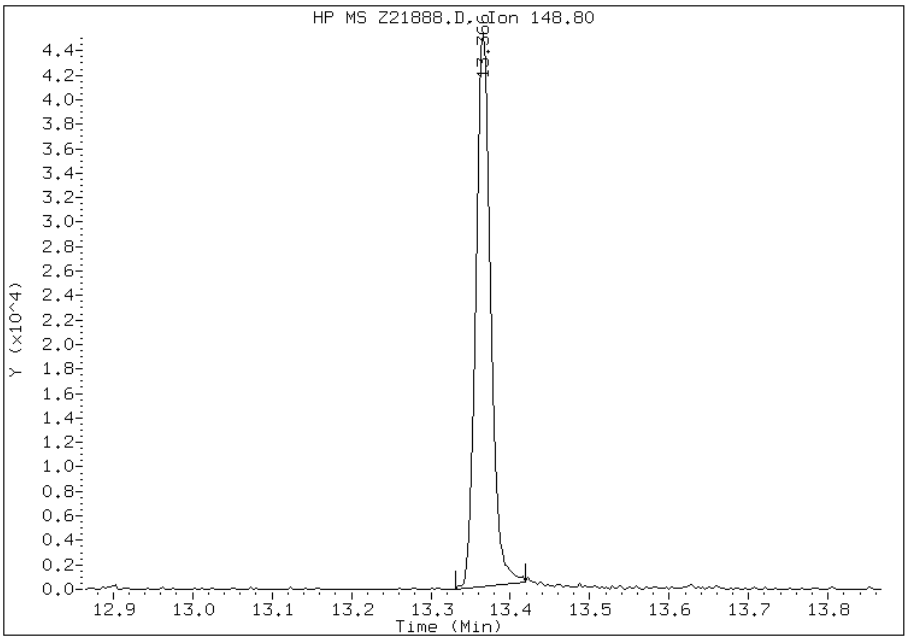
Manual Integration Results

RT: 13.37

Response: 60976

Amount: 3

Conc: 3



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak identification

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/01/2011

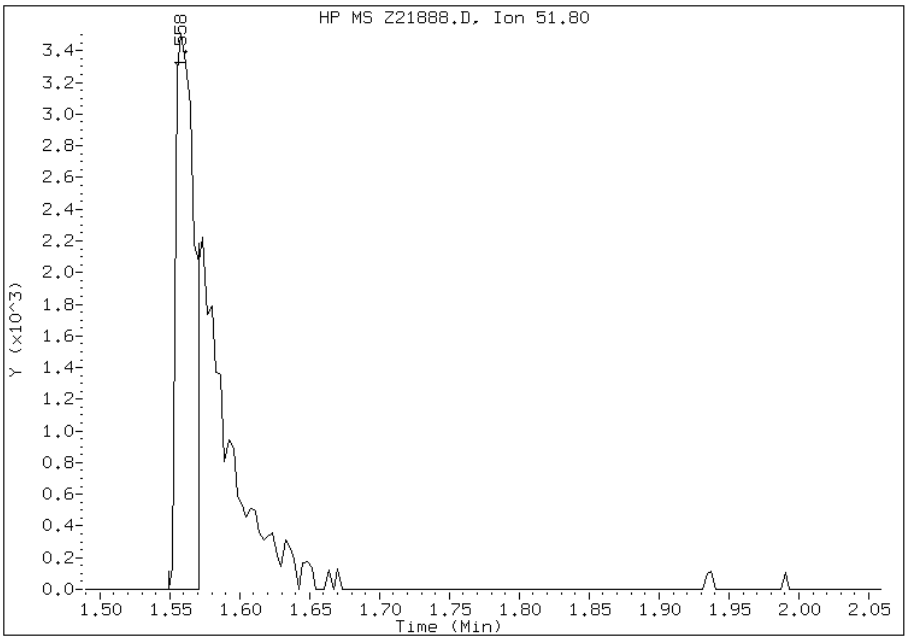
Processing Integration Results

RT: 1.56

Response: 3268

Amount: 1

Conc: 1



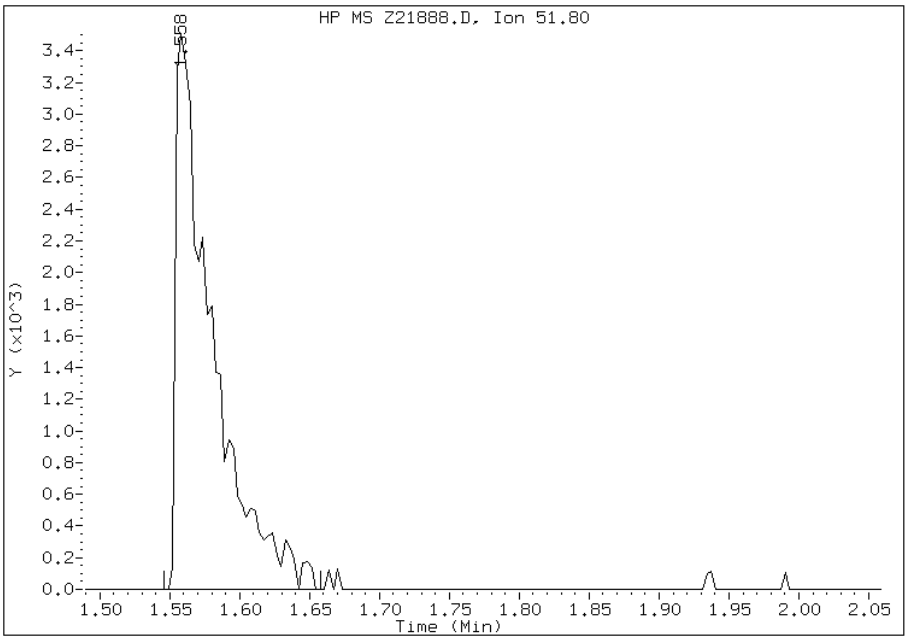
Manual Integration Results

RT: 1.56

Response: 6376

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

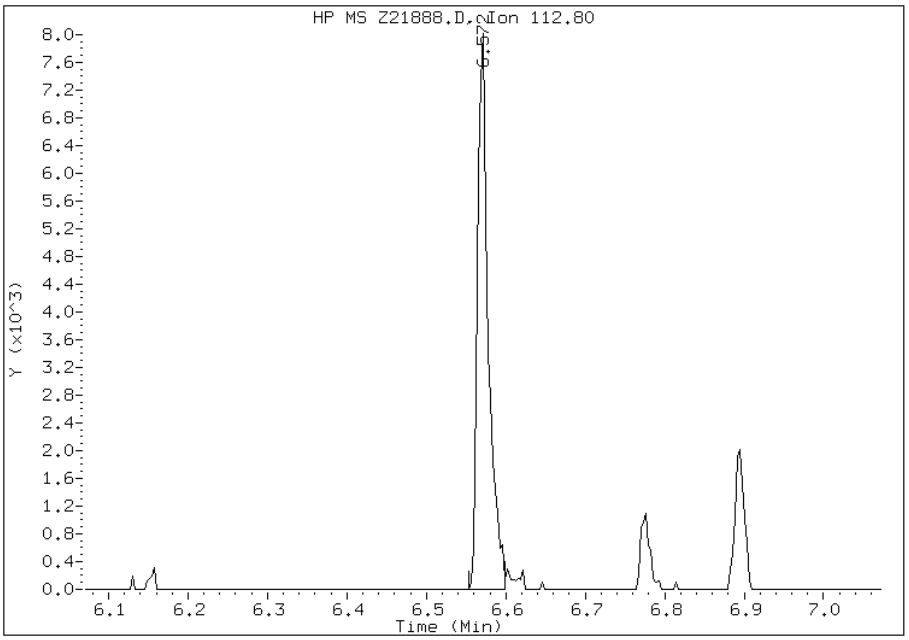
Processing Integration Results

RT: 6.57

Response: 7887

Amount: 2

Conc: 2



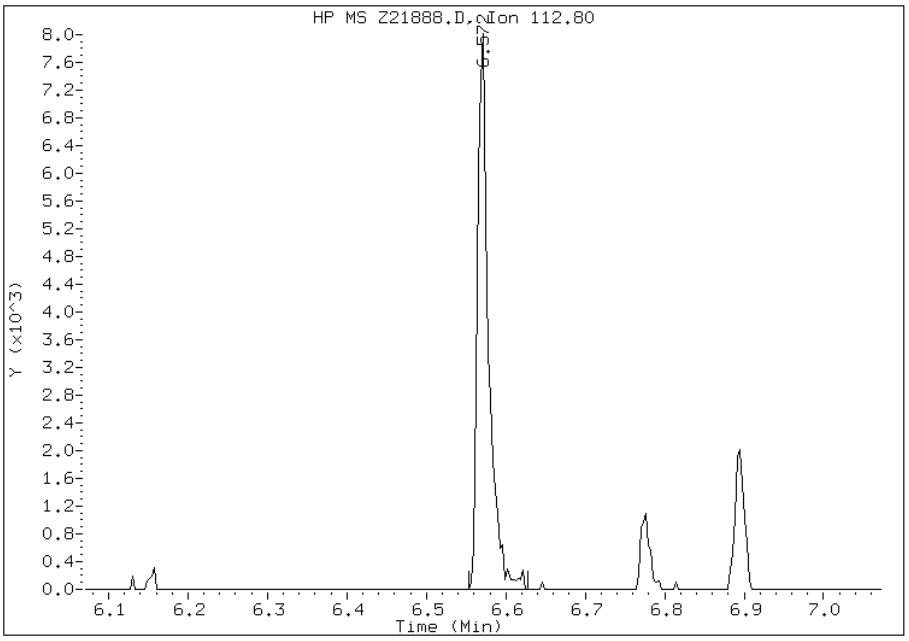
Manual Integration Results

RT: 6.57

Response: 8122

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21888.D
Inj. Date and Time: 28-JUL-2011 14:25
Instrument ID: msz.i
Client ID: IC-635513
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/01/2011

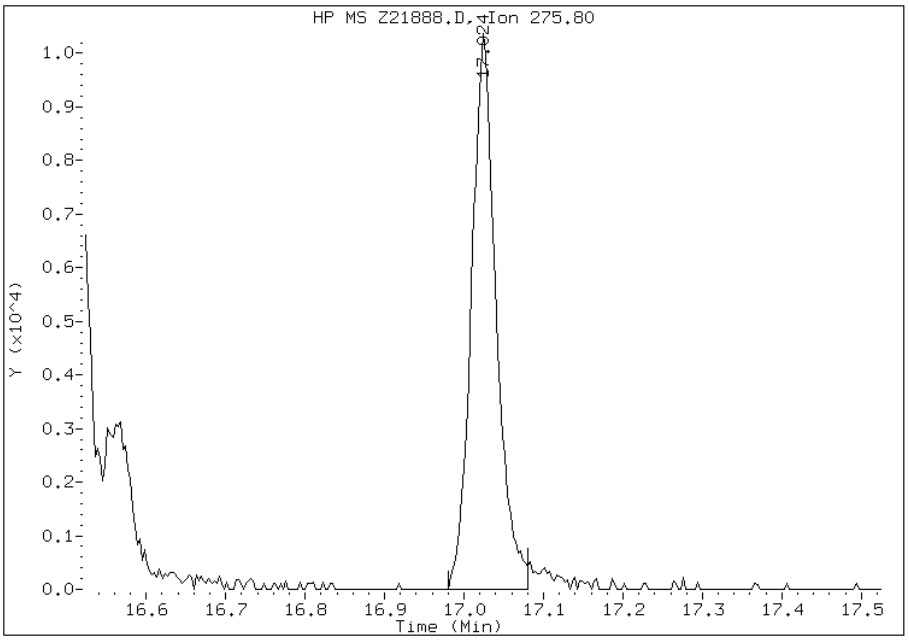
Processing Integration Results

RT: 17.02

Response: 22911

Amount: 2

Conc: 2



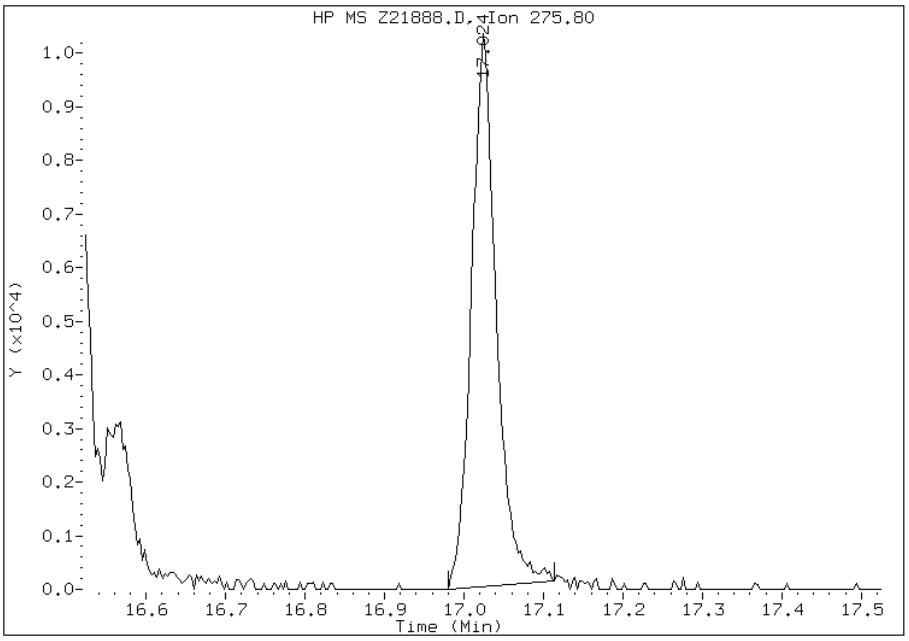
Manual Integration Results

RT: 17.02

Response: 22906

Amount: 2

Conc: 2



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21889.D
Lab Smp Id: IC-635514 Client Smp ID: IC-635514
Inj Date : 28-JUL-2011 14:53
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635514
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 14:53 Cal File: Z21889.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.772	4.772	(1.000)	214821	20.0000	
$ 2	2-Fluorophenol	112	3.320	3.320	(0.696)	46472	4.00000	4
$ 3	Phenol-d5	99	4.442	4.442	(0.931)	68675	4.00000	4
4	Pyridine	52	1.548	1.548	(0.325)	12220	4.00000	4(M)
5	N-Nitrosodimethylamine	42	1.536	1.536	(0.322)	9403	4.00000	4
6	Cyclohexanone	42	3.544	3.544	(0.743)	26677	4.00000	5
128	Benzaldehyde	77	4.287	4.287	(0.898)	44509	4.00000	6
7	Phenol	94	4.455	4.455	(0.934)	74946	4.00000	4
8	Aniline	93	4.423	4.423	(0.927)	84635	4.00000	4
9	bis(2-Chloroethyl)ether	63	4.520	4.520	(0.947)	46552	4.00000	4
10	2-Chlorophenol	128	4.545	4.545	(0.952)	62533	4.00000	4
11	1,3-Dichlorobenzene	146	4.706	4.706	(0.986)	69740	4.00000	4
12	1,4-Dichlorobenzene	146	4.787	4.787	(1.003)	72035	4.00000	4
13	Benzyl alcohol	108	4.949	4.949	(1.037)	38271	4.00000	4
14	1,2-Dichlorobenzene	146	4.949	4.949	(1.037)	69078	4.00000	4
15	2,2'-oxybis(1-Chloropropane)	45	5.104	5.104	(1.070)	84200	4.00000	4
16	2-Methylphenol	108	5.098	5.098	(1.068)	58131	4.00000	4
92	Acetophenone	105	5.219	5.219	(1.094)	85408	4.00000	4
17	Hexachloroethane	117	5.309	5.309	(1.113)	29754	4.00000	4
18	N-Nitroso-di-n-propylamine	70	5.241	5.241	(1.098)	46701	4.00000	4

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19	4-Methylphenol	108	5.266	5.266	(1.104)	61475	4.00000	4
*	20	Naphthalene-d8	136	6.130	6.130	(1.000)	986667	20.0000	
$	21	Nitrobenzene-d5	82	5.371	5.371	(0.876)	67790	4.00000	4
	22	Nitrobenzene	77	5.390	5.390	(0.879)	69915	4.00000	4
	23	Isophorone	82	5.654	5.654	(0.922)	127336	4.00000	4
	24	2-Nitrophenol	139	5.735	5.735	(0.936)	35799	4.00000	4
	25	2,4-Dimethylphenol	122	5.822	5.822	(0.950)	53285	4.00000	4
	26	Benzoic Acid	122	5.940	5.940	(0.969)	45446	10.0000	7
	27	Bis(2-Chloroethoxy)methane	93	5.912	5.912	(0.965)	82153	4.00000	4
	28	2,4-Dichlorophenol	162	5.999	5.999	(0.979)	53048	4.00000	4
	29	1,2,4-Trichlorobenzene	180	6.080	6.080	(0.992)	59613	4.00000	4
	30	Naphthalene	128	6.152	6.152	(1.004)	201871	4.00000	4
	31	4-Chloroaniline	127	6.229	6.229	(1.016)	79673	4.00000	4
	32	Hexachlorobutadiene	225	6.313	6.313	(1.030)	32052	4.00000	4
	129	Caprolactam	113	6.577	6.577	(1.073)	16582	4.00000	4(M)
	33	4-Chloro-3-methylphenol	107	6.773	6.773	(1.105)	56256	4.00000	4
	34	2-Methylnaphthalene	142	6.894	6.894	(1.125)	133829	4.00000	4
*	35	Acenaphthene-d10	164	7.992	7.992	(1.000)	588804	20.0000	
	36	2,4,5-Trichlorotoluene	159	6.857	6.857	(1.437)	52779	4.00000	4
	37	Hexachlorocyclopentadiene	237	7.075	7.075	(0.885)	22523	4.00000	5
	38	2,4,6-Trichlorophenol	196	7.205	7.205	(0.902)	35991	4.00000	4
	39	2,4,5-Trichlorophenol	196	7.243	7.243	(0.906)	95678	10.0000	9
$	40	2-Fluorobiphenyl	172	7.295	7.295	(0.913)	135513	4.00000	4
	130	1,1'-Biphenyl	154	7.395	7.395	(0.925)	157669	4.00000	4
	41	2-Chloronaphthalene	162	7.401	7.401	(0.926)	125480	4.00000	4
	42	2-Nitroaniline	65	7.522	7.522	(0.941)	37120	4.00000	4
	43	Acenaphthylene	152	7.836	7.836	(0.981)	204498	4.00000	4
	44	Dimethylphthalate	163	7.734	7.734	(0.968)	139953	4.00000	4
	45	2,6-Dinitrotoluene	165	7.786	7.786	(0.974)	31320	4.00000	4
	46	Acenaphthene	153	8.026	8.026	(1.004)	126170	4.00000	4
	47	3-Nitroaniline	138	7.957	7.957	(0.996)	35867	4.00000	4
	48	2,4-Dinitrophenol	184	8.069	8.069	(1.010)	20158	10.0000	12
	49	Dibenzofuran	168	8.209	8.209	(1.027)	176797	4.00000	4
	50	2,4-Dinitrotoluene	165	8.206	8.206	(1.027)	42956	4.00000	4
	51	4-Nitrophenol	109	8.166	8.166	(1.022)	37512	10.0000	8
	52	Fluorene	166	8.570	8.570	(1.072)	142314	4.00000	4
	53	4-Chlorophenyl-phenylether	204	8.585	8.585	(1.074)	66952	4.00000	4
	54	Diethylphthalate	149	8.483	8.483	(1.061)	144618	4.00000	4
	55	4-Nitroaniline	138	8.598	8.598	(1.076)	33800	4.00000	4
$	56	2,4,6-Tribromophenol	330	8.825	8.825	(1.104)	44475	10.0000	9
*	57	Phenanthrene-d10	188	9.558	9.558	(1.000)	948422	20.0000	
	58	4,6-Dinitro-2-methylphenol	198	8.635	8.635	(0.903)	42811	10.0000	11
	59	N-Nitrosodiphenylamine (1)	169	8.710	8.710	(0.911)	102302	4.00000	4
	60	1,2-Diphenylhydrazine	77	8.747	8.747	(0.915)	162803	4.00000	4
	61	4-Bromophenyl-phenylether	248	9.095	9.095	(0.952)	36504	4.00000	4
	131	Atrazine	200	9.288	9.288	(0.972)	32517	4.00000	4
	62	Hexachlorobenzene	284	9.157	9.157	(0.958)	39218	4.00000	4
	63	Pentachlorophenol	266	9.368	9.368	(0.980)	36562	10.0000	11
	64	Phenanthrene	178	9.580	9.580	(1.002)	202943	4.00000	4
	65	Carbazole	167	9.810	9.810	(1.026)	184437	4.00000	4
	66	Anthracene	178	9.633	9.633	(1.008)	203213	4.00000	4
	67	Di-n-butylphthalate	149	10.208	10.208	(1.068)	243414	4.00000	4
	68	Fluoranthene	202	10.832	10.832	(1.133)	202211	4.00000	4
*	70	Chrysene-d12	240	12.414	12.414	(1.000)	843702	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
72	Pyrene	202	11.069	11.069	(0.892)	206701	4.00000	4
$ 73	Terphenyl-d14	244	11.252	11.252	(0.906)	138686	4.00000	4
74	Butylbenzylphthalate	149	11.777	11.777	(0.949)	95416	4.00000	4
75	3,3'-Dichlorobenzidine	252	12.377	12.377	(0.997)	50166	4.00000	4
76	Benzo(a)anthracene	228	12.399	12.399	(0.999)	173286	4.00000	4
77	Chrysene	228	12.445	12.445	(1.002)	168208	4.00000	4
78	Bis(2-Ethylhexyl)phthalate	149	12.467	12.467	(1.004)	120708	4.00000	4
* 79	Perylene-d12	264	14.550	14.550	(1.000)	572126	20.0000	
80	Di-n-octylphthalate	149	13.362	13.362	(0.918)	129277	4.00000	4
81	Benzo(b)fluoranthene	252	13.913	13.913	(0.956)	126889	4.00000	3
82	Benzo(k)fluoranthene	252	13.956	13.956	(0.959)	130759	4.00000	3
83	Benzo(a)pyrene	252	14.444	14.444	(0.993)	99663	4.00000	4
84	Indeno(1,2,3-cd)pyrene	276	16.505	16.505	(1.134)	50182	4.00000	4(M)
85	Dibenzo(a,h)anthracene	278	16.558	16.558	(1.138)	45879	4.00000	4
86	Benzo(g,h,i)perylene	276	17.021	17.021	(1.170)	47211	4.00000	4(M)
167	Simazine	201	9.253	9.253	(0.968)	21849	4.00000	5(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.075	7.075	(0.885)	26365	5.00000	4
109	2,3,4,6-Tetrachlorophenol	232	8.352	8.352	(1.045)	25946	5.00000	6
119	Pentachloronitrobenzene	237	9.384	9.384	(0.982)	15893	4.00000	4

QC Flag Legend

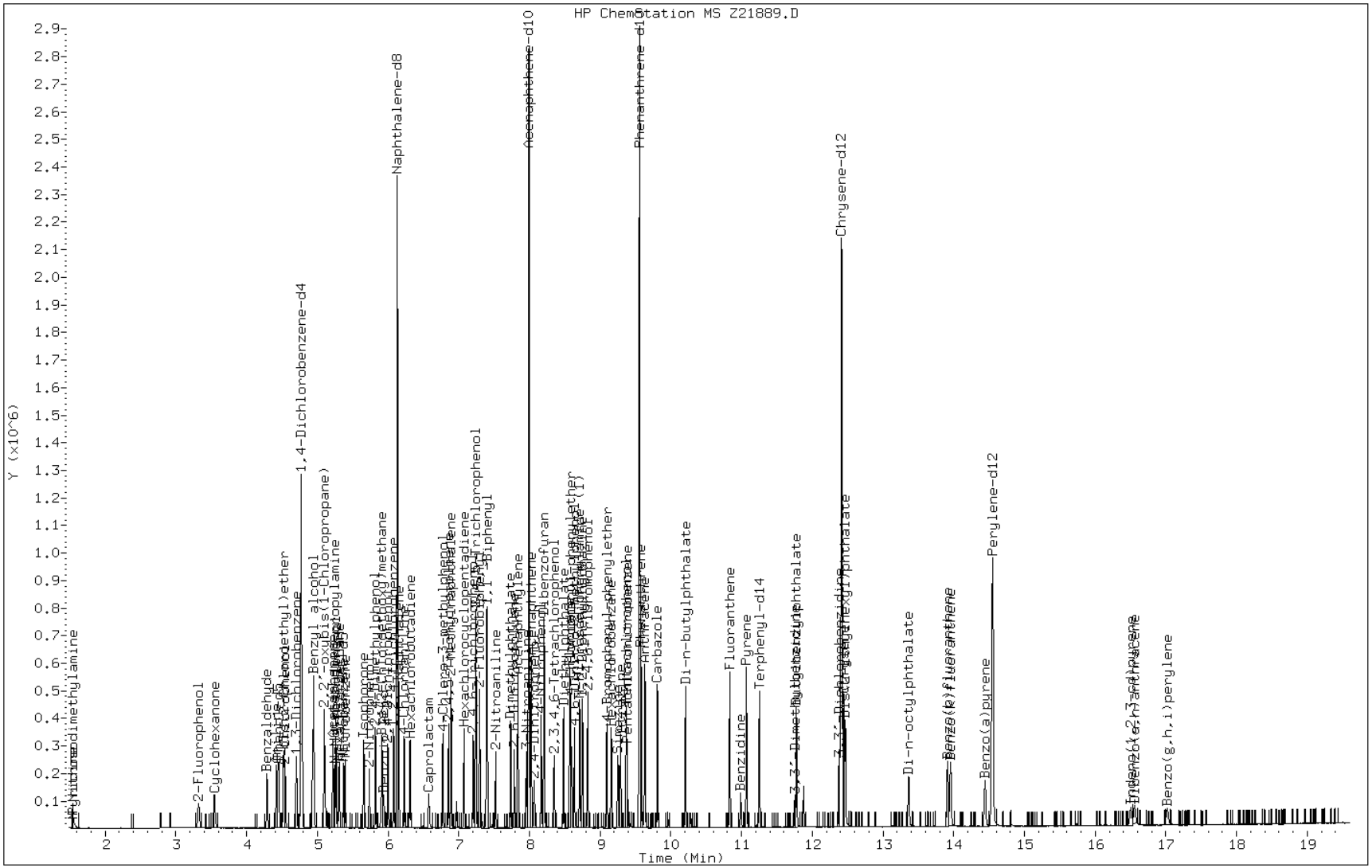
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21889.D

Date: 28-JUL-2011 14:53

Client ID: IC-635514 Instrument: msz.i

Sample Info: IC-635514 Operator: S.Jonas



Manual Integration Report

Data File: Z21889.D
Inj. Date and Time: 28-JUL-2011 14:53
Instrument ID: msz.i
Client ID: IC-635514
Compound: 84 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/01/2011

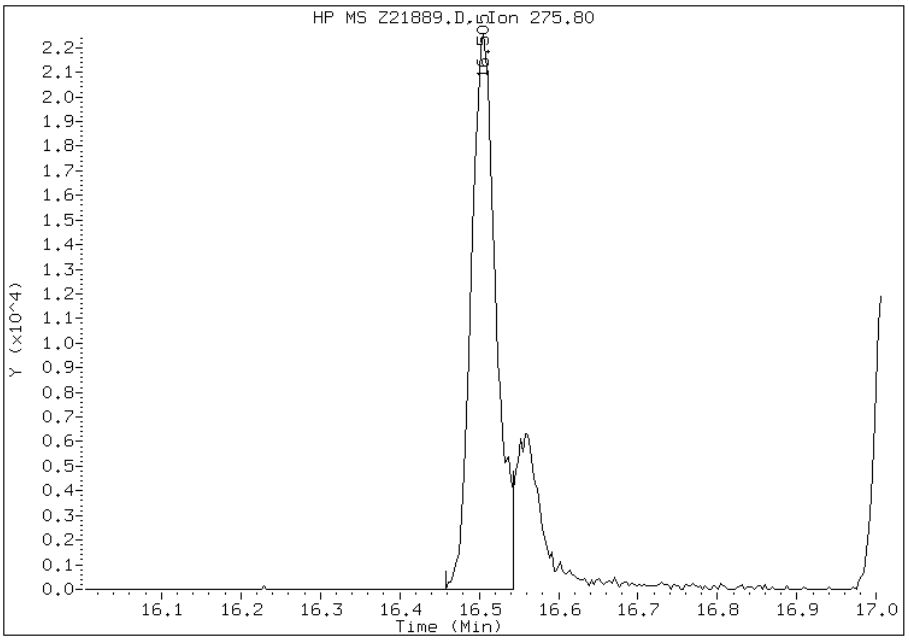
Processing Integration Results

RT: 16.51

Response: 50182

Amount: 4

Conc: 4



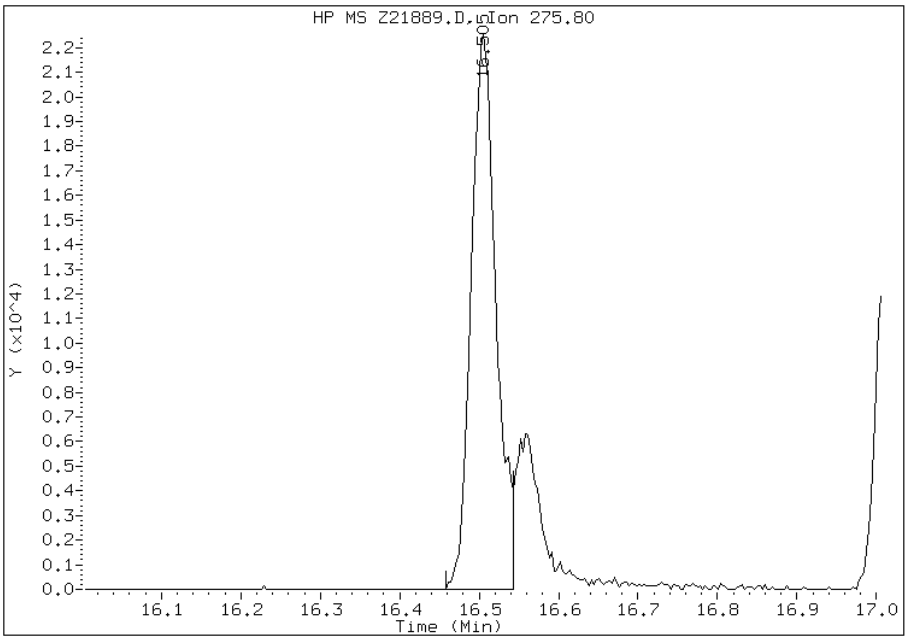
Manual Integration Results

RT: 16.51

Response: 50182

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21889.D
Inj. Date and Time: 28-JUL-2011 14:53
Instrument ID: msz.i
Client ID: IC-635514
Compound: 86 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 08/01/2011

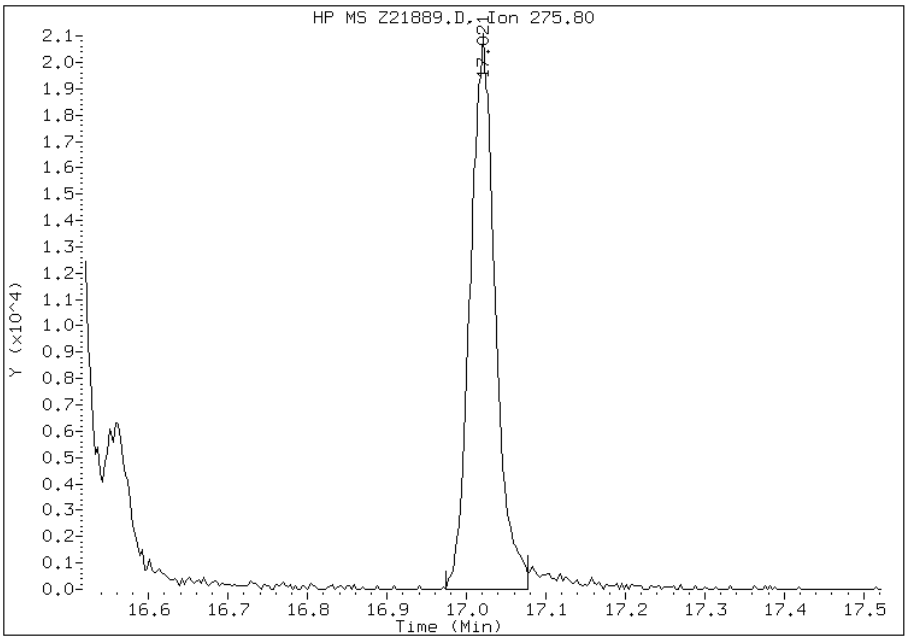
Processing Integration Results

RT: 17.02

Response: 47211

Amount: 4

Conc: 4



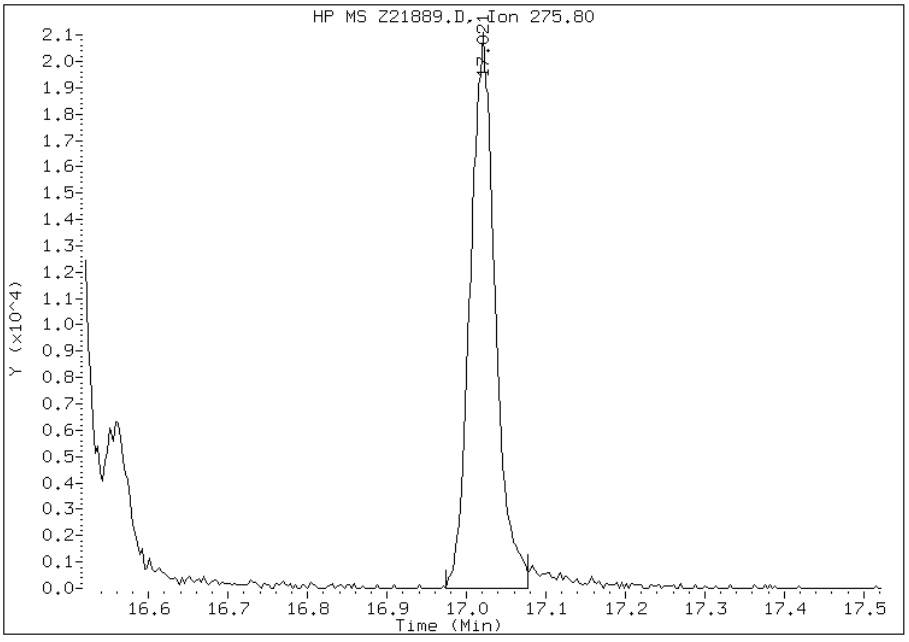
Manual Integration Results

RT: 17.02

Response: 47211

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21889.D
Inj. Date and Time: 28-JUL-2011 14:53
Instrument ID: msz.i
Client ID: IC-635514
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/01/2011

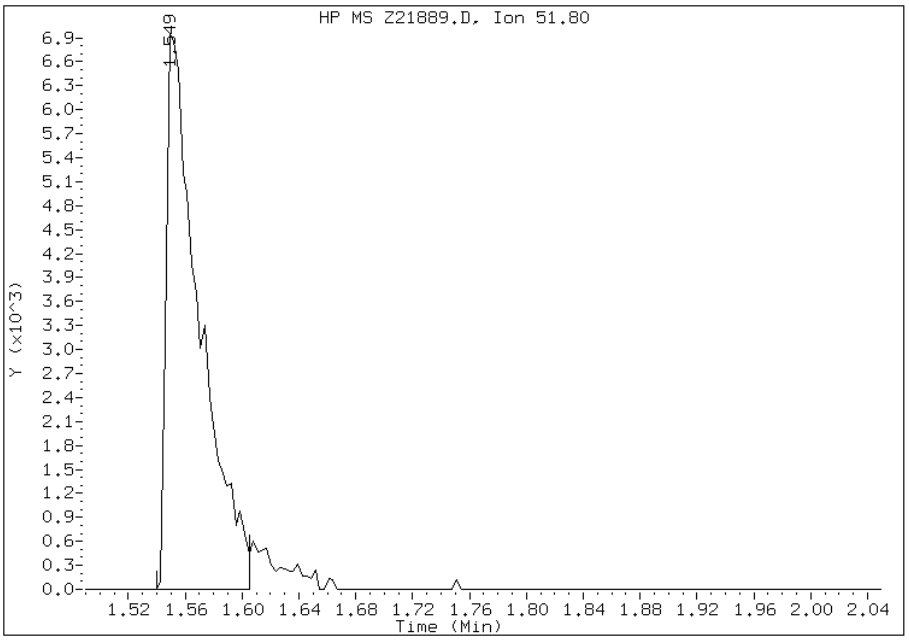
Processing Integration Results

RT: 1.55

Response: 11361

Amount: 4

Conc: 4



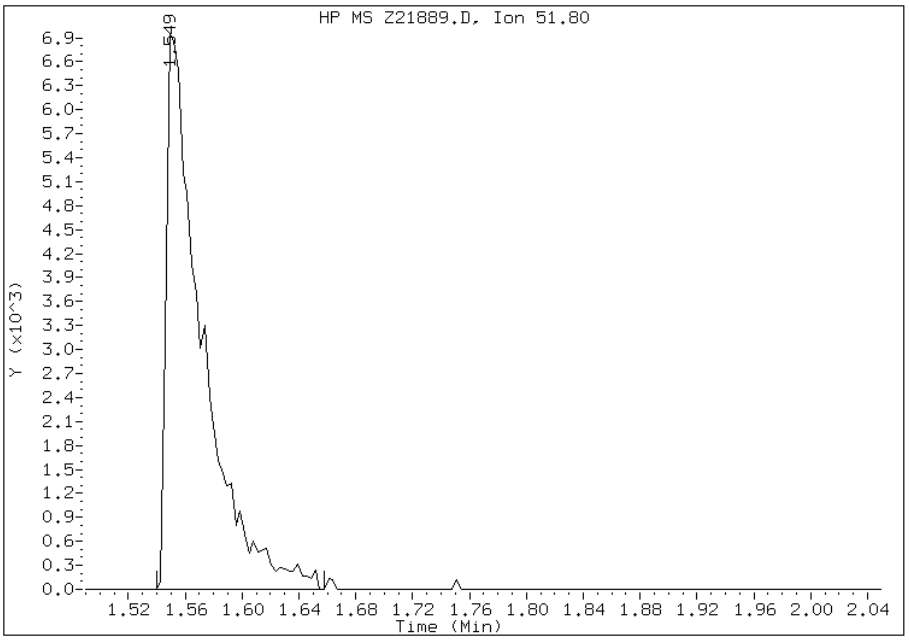
Manual Integration Results

RT: 1.55

Response: 12220

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21889.D
Inj. Date and Time: 28-JUL-2011 14:53
Instrument ID: msz.i
Client ID: IC-635514
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

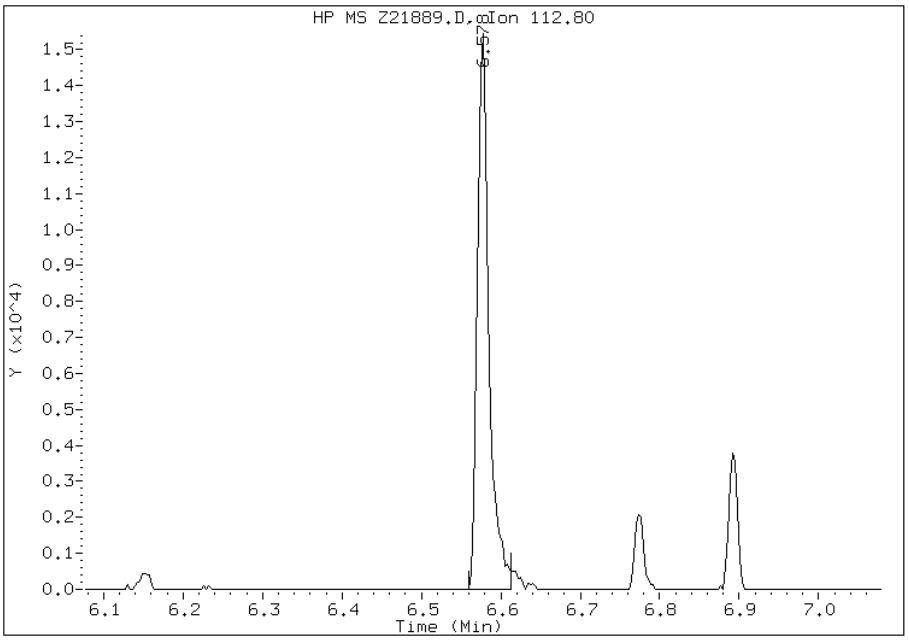
Processing Integration Results

RT: 6.58

Response: 16246

Amount: 4

Conc: 4



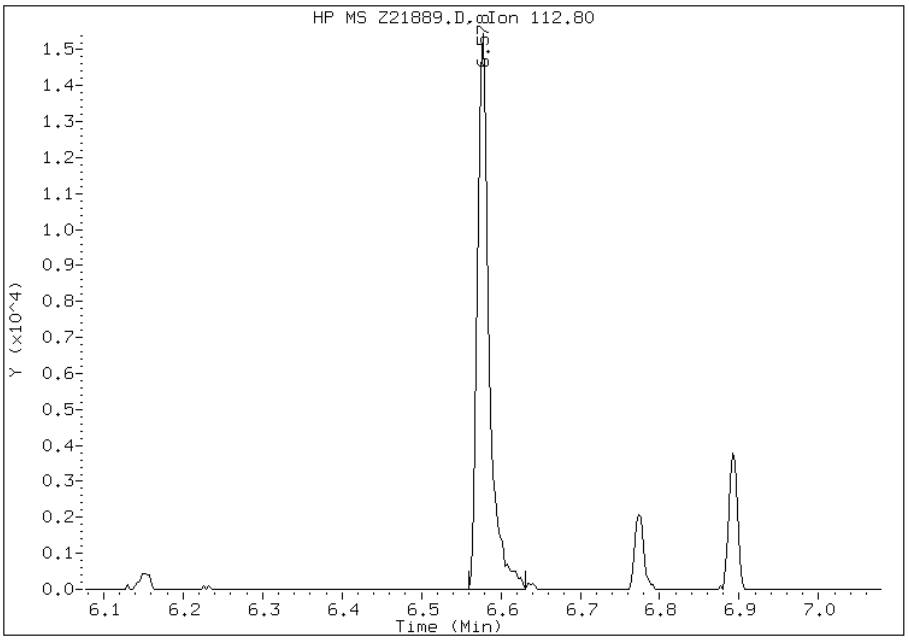
Manual Integration Results

RT: 6.58

Response: 16582

Amount: 4

Conc: 4



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21890.D
Lab Smp Id: IC-635515 Client Smp ID: IC-635515
Inj Date : 28-JUL-2011 15:22
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635515
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 15:22 Cal File: Z21890.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.772	4.772	(1.000)	208566	20.0000	
$ 2	2-Fluorophenol	112	3.320	3.320	(0.696)	116330	10.0000	10
$ 3	Phenol-d5	99	4.445	4.445	(0.932)	168713	10.0000	10
4	Pyridine	52	1.542	1.542	(0.323)	28137	10.0000	9(M)
5	N-Nitrosodimethylamine	42	1.533	1.533	(0.321)	22779	10.0000	10
6	Cyclohexanone	42	3.544	3.544	(0.743)	57615	10.0000	12
128	Benzaldehyde	77	4.287	4.287	(0.898)	103452	10.0000	14
7	Phenol	94	4.458	4.458	(0.934)	187448	10.0000	10
8	Aniline	93	4.423	4.423	(0.927)	198933	10.0000	10
9	bis(2-Chloroethyl)ether	63	4.520	4.520	(0.947)	110549	10.0000	10
10	2-Chlorophenol	128	4.548	4.548	(0.953)	154120	10.0000	10
11	1,3-Dichlorobenzene	146	4.706	4.706	(0.986)	172345	10.0000	10
12	1,4-Dichlorobenzene	146	4.790	4.790	(1.004)	174434	10.0000	10
13	Benzyl alcohol	108	4.952	4.952	(1.038)	98046	10.0000	10
14	1,2-Dichlorobenzene	146	4.952	4.952	(1.038)	167504	10.0000	10
15	2,2'-oxybis(1-Chloropropane)	45	5.110	5.110	(1.071)	200821	10.0000	10
16	2-Methylphenol	108	5.101	5.101	(1.069)	143095	10.0000	10
92	Acetophenone	105	5.222	5.222	(1.094)	208676	10.0000	10
17	Hexachloroethane	117	5.312	5.312	(1.113)	73734	10.0000	10
18	N-Nitroso-di-n-propylamine	70	5.244	5.244	(1.099)	114289	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
19	4-Methylphenol	108	5.269	5.269	(1.104)	153749	10.0000	10
* 20	Naphthalene-d8	136	6.133	6.133	(1.000)	952977	20.0000	
$ 21	Nitrobenzene-d5	82	5.375	5.375	(0.876)	167833	10.0000	10
22	Nitrobenzene	77	5.393	5.393	(0.879)	175085	10.0000	10
23	Isophorone	82	5.657	5.657	(0.922)	317816	10.0000	10
24	2-Nitrophenol	139	5.738	5.738	(0.936)	91190	10.0000	10
25	2,4-Dimethylphenol	122	5.825	5.825	(0.950)	132010	10.0000	10
26	Benzoic Acid	122	5.987	5.987	(0.976)	168847	25.0000	28(M)
27	Bis(2-Chloroethoxy)methane	93	5.915	5.915	(0.965)	198503	10.0000	10
28	2,4-Dichlorophenol	162	6.002	6.002	(0.979)	131220	10.0000	10
29	1,2,4-Trichlorobenzene	180	6.083	6.083	(0.992)	145436	10.0000	10
30	Naphthalene	128	6.155	6.155	(1.004)	490286	10.0000	10
31	4-Chloroaniline	127	6.232	6.232	(1.016)	194551	10.0000	10
32	Hexachlorobutadiene	225	6.313	6.313	(1.029)	78359	10.0000	10
129	Caprolactam	113	6.602	6.602	(1.077)	43259	10.0000	10
33	4-Chloro-3-methylphenol	107	6.776	6.776	(1.105)	147131	10.0000	10
34	2-Methylnaphthalene	142	6.894	6.894	(1.124)	326510	10.0000	10
* 35	Acenaphthene-d10	164	7.995	7.995	(1.000)	567614	20.0000	
36	2,4,5-Trichlorotoluene	159	6.860	6.860	(1.438)	130727	10.0000	10
37	Hexachlorocyclopentadiene	237	7.078	7.078	(0.885)	66516	10.0000	9
38	2,4,6-Trichlorophenol	196	7.208	7.208	(0.902)	94102	10.0000	10
39	2,4,5-Trichlorophenol	196	7.246	7.246	(0.906)	244188	25.0000	24
$ 40	2-Fluorobiphenyl	172	7.298	7.298	(0.913)	334397	10.0000	10
130	1,1'-Biphenyl	154	7.398	7.398	(0.925)	388885	10.0000	10
41	2-Chloronaphthalene	162	7.407	7.407	(0.927)	308009	10.0000	10
42	2-Nitroaniline	65	7.525	7.525	(0.941)	92962	10.0000	10
43	Acenaphthylene	152	7.839	7.839	(0.981)	511583	10.0000	10
44	Dimethylphthalate	163	7.740	7.740	(0.968)	346896	10.0000	10
45	2,6-Dinitrotoluene	165	7.790	7.790	(0.974)	81519	10.0000	10
46	Acenaphthene	153	8.029	8.029	(1.004)	315415	10.0000	10
47	3-Nitroaniline	138	7.960	7.960	(0.996)	90405	10.0000	10
48	2,4-Dinitrophenol	184	8.072	8.072	(1.010)	84441	25.0000	22
49	Dibenzofuran	168	8.212	8.212	(1.027)	441097	10.0000	10
50	2,4-Dinitrotoluene	165	8.212	8.212	(1.027)	110570	10.0000	10
51	4-Nitrophenol	109	8.175	8.175	(1.023)	104831	25.0000	24
52	Fluorene	166	8.573	8.573	(1.072)	359475	10.0000	10
53	4-Chlorophenyl-phenylether	204	8.585	8.585	(1.074)	169955	10.0000	10
54	Diethylphthalate	149	8.489	8.489	(1.062)	360951	10.0000	10
55	4-Nitroaniline	138	8.607	8.607	(1.077)	86713	10.0000	10
$ 56	2,4,6-Tribromophenol	330	8.828	8.828	(1.104)	119162	25.0000	24
* 57	Phenanthrene-d10	188	9.561	9.561	(1.000)	919750	20.0000	
58	4,6-Dinitro-2-methylphenol	198	8.641	8.641	(0.904)	137541	25.0000	23
59	N-Nitrosodiphenylamine (1)	169	8.713	8.713	(0.911)	256127	10.0000	10
60	1,2-Diphenylhydrazine	77	8.753	8.753	(0.915)	407062	10.0000	10
61	4-Bromophenyl-phenylether	248	9.098	9.098	(0.952)	91431	10.0000	9
131	Atrazine	200	9.294	9.294	(0.972)	76753	10.0000	9
62	Hexachlorobenzene	284	9.160	9.160	(0.958)	99251	10.0000	10
63	Pentachlorophenol	266	9.375	9.375	(0.980)	122205	25.0000	23
64	Phenanthrene	178	9.583	9.583	(1.002)	503506	10.0000	10
65	Carbazole	167	9.813	9.813	(1.026)	464971	10.0000	10
66	Anthracene	178	9.636	9.636	(1.008)	510233	10.0000	10
67	Di-n-butylphthalate	149	10.211	10.211	(1.068)	628770	10.0000	10
68	Fluoranthene	202	10.839	10.839	(1.134)	516965	10.0000	10
* 70	Chrysene-d12	240	12.421	12.421	(1.000)	825924	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.988	10.988	(0.885)	91464	10.0000	11
72	Pyrene	202	11.072	11.072	(0.891)	524700	10.0000	10
$ 73	Terphenyl-d14	244	11.255	11.255	(0.906)	356674	10.0000	10
74	Butylbenzylphthalate	149	11.780	11.780	(0.948)	245311	10.0000	10
124	3,3'-Dimethylbenzidine	212	11.755	11.755	(0.946)	87087	10.0000	10
75	3,3'-Dichlorobenzidine	252	12.383	12.383	(0.997)	133526	10.0000	10
76	Benzo(a)anthracene	228	12.402	12.402	(0.998)	443390	10.0000	10
77	Chrysene	228	12.452	12.452	(1.002)	428669	10.0000	10
78	Bis(2-Ethylhexyl)phthalate	149	12.470	12.470	(1.004)	296821	10.0000	10
* 79	Perylene-d12	264	14.556	14.556	(1.000)	561389	20.0000	
80	Di-n-octylphthalate	149	13.365	13.365	(0.918)	337379	10.0000	10
81	Benzo(b)fluoranthene	252	13.919	13.919	(0.956)	328688	10.0000	9
82	Benzo(k)fluoranthene	252	13.962	13.962	(0.959)	352765	10.0000	9
83	Benzo(a)pyrene	252	14.450	14.450	(0.993)	257769	10.0000	9
84	Indeno(1,2,3-cd)pyrene	276	16.514	16.514	(1.135)	133973	10.0000	10
85	Dibenzo(a,h)anthracene	278	16.567	16.567	(1.138)	123961	10.0000	10
86	Benzo(g,h,i)perylene	276	17.027	17.027	(1.170)	123930	10.0000	10
167	Simazine	201	9.263	9.263	(0.969)	49542	10.0000	10(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.078	7.078	(0.885)	65111	10.0000	10
109	2,3,4,6-Tetrachlorophenol	232	8.355	8.355	(1.045)	71771	10.0000	11
119	Pentachloronitrobenzene	237	9.387	9.387	(0.982)	41455	10.0000	10

QC Flag Legend

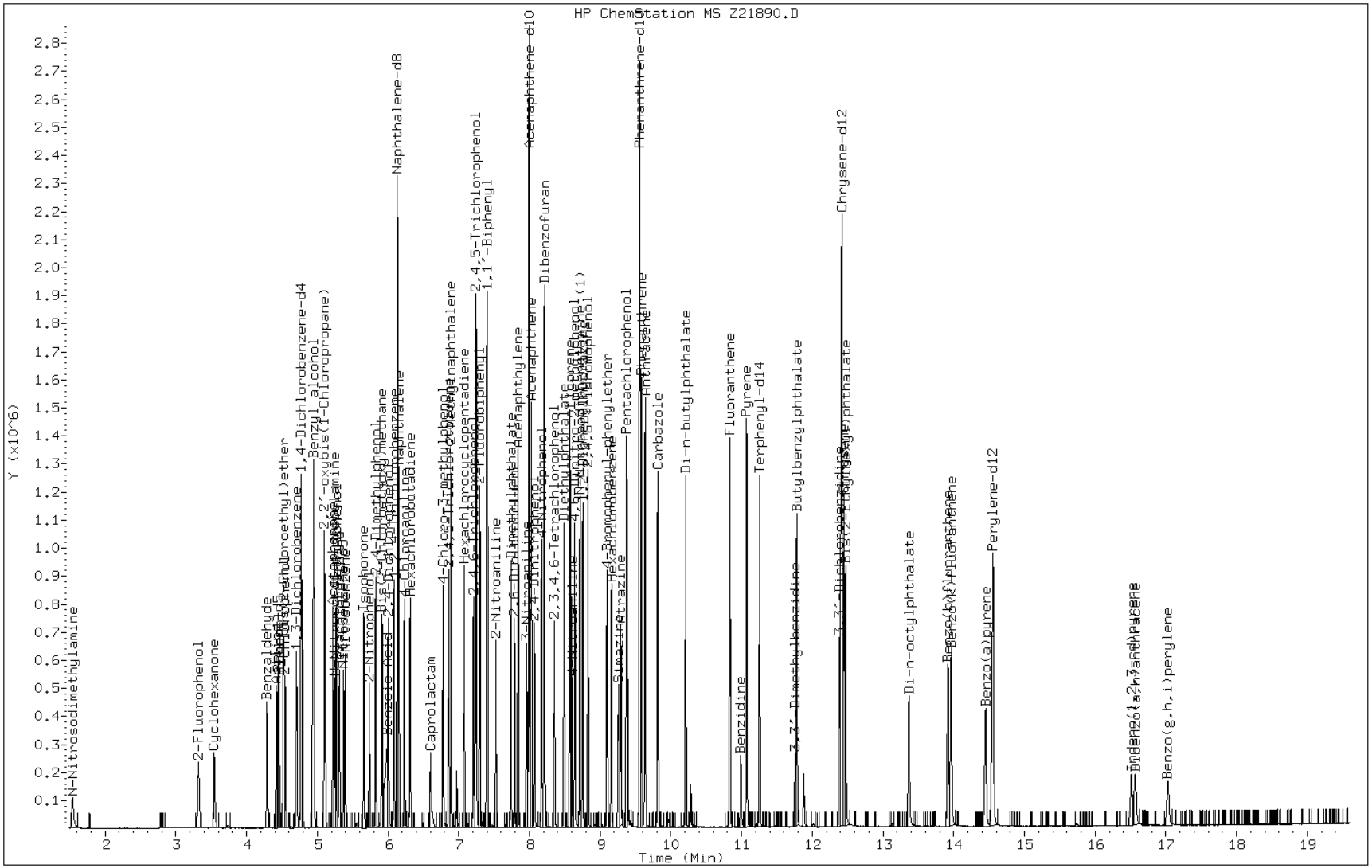
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21890.D

Date: 28-JUL-2011 15:22

Client ID: IC-635515 Instrument: msz.i

Sample Info: IC-635515 Operator: S.Jonas



Manual Integration Report

Data File: Z21890.D
Inj. Date and Time: 28-JUL-2011 15:22
Instrument ID: msz.i
Client ID: IC-635515
Compound: 4 Pyridine
CAS #: 110-86-1
Report Date: 08/01/2011

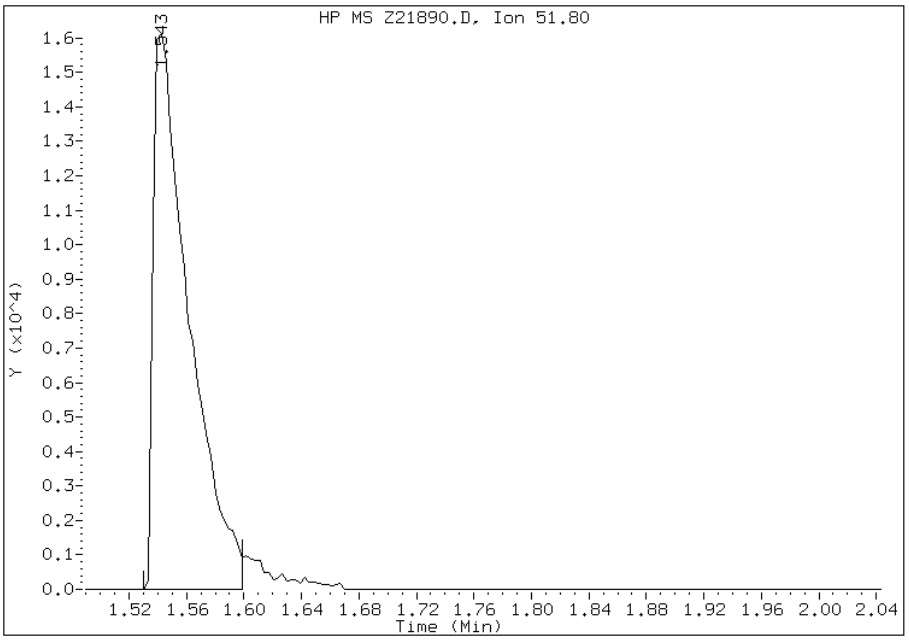
Processing Integration Results

RT: 1.54

Response: 28107

Amount: 11

Conc: 11



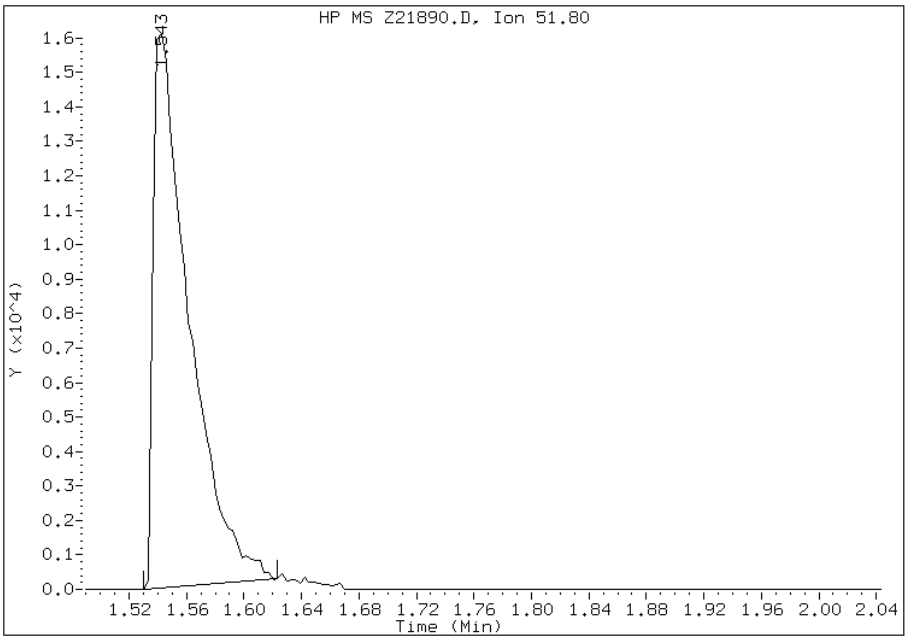
Manual Integration Results

RT: 1.54

Response: 28137

Amount: 9

Conc: 9



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21890.D
Inj. Date and Time: 28-JUL-2011 15:22
Instrument ID: msz.i
Client ID: IC-635515
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

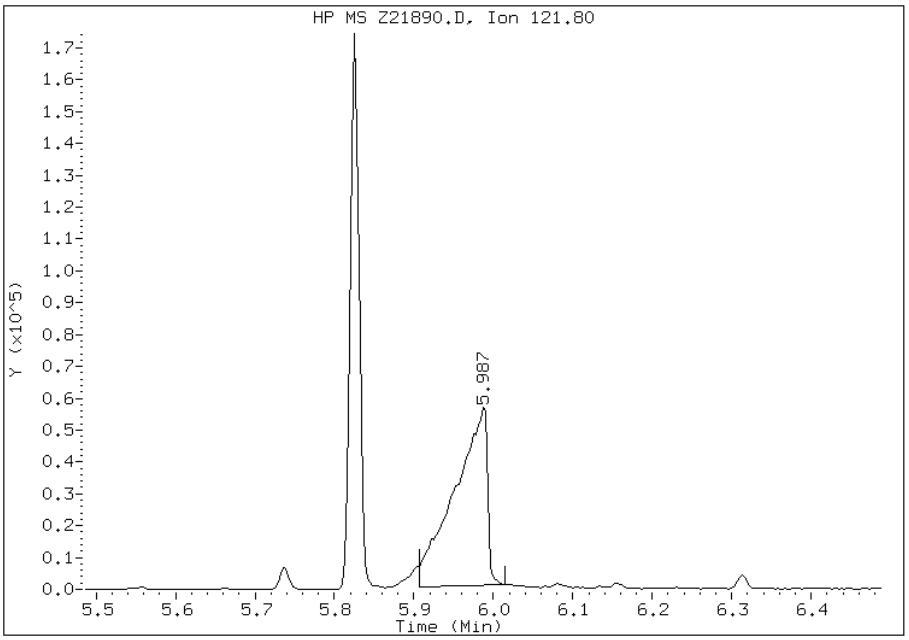
Processing Integration Results

RT: 5.99

Response: 160871

Amount: 27

Conc: 27



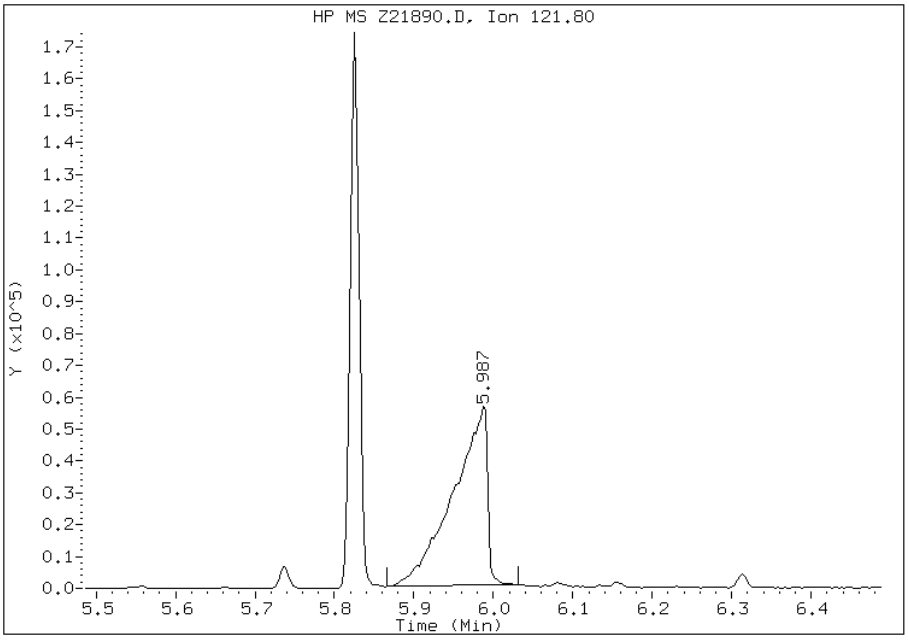
Manual Integration Results

RT: 5.99

Response: 168847

Amount: 28

Conc: 28



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21891.D
Lab Smp Id: IC-635516 Client Smp ID: IC-635516
Inj Date : 28-JUL-2011 15:50
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635516
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 15:50 Cal File: Z21891.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.772	4.772	(1.000)	214305	20.0000	
$ 2	2-Fluorophenol	112	3.320	3.320	(0.696)	242326	20.0000	20
$ 3	Phenol-d5	99	4.448	4.448	(0.932)	351105	20.0000	20
4	Pyridine	52	1.539	1.539	(0.323)	59082	20.0000	19
5	N-Nitrosodimethylamine	42	1.530	1.530	(0.321)	46352	20.0000	19
6	Cyclohexanone	42	3.541	3.541	(0.742)	99751	20.0000	19
128	Benzaldehyde	77	4.287	4.287	(0.898)	185277	20.0000	25
7	Phenol	94	4.464	4.464	(0.936)	376928	20.0000	20
8	Aniline	93	4.424	4.424	(0.927)	383719	20.0000	19
9	bis(2-Chloroethyl)ether	63	4.523	4.523	(0.948)	221993	20.0000	20
10	2-Chlorophenol	128	4.551	4.551	(0.954)	316548	20.0000	20
11	1,3-Dichlorobenzene	146	4.706	4.706	(0.986)	351831	20.0000	20
12	1,4-Dichlorobenzene	146	4.790	4.790	(1.004)	360298	20.0000	20
13	Benzyl alcohol	108	4.955	4.955	(1.038)	199127	20.0000	20
14	1,2-Dichlorobenzene	146	4.952	4.952	(1.038)	337013	20.0000	20
15	2,2'-oxybis(1-Chloropropane)	45	5.111	5.111	(1.071)	396607	20.0000	20
16	2-Methylphenol	108	5.104	5.104	(1.070)	285521	20.0000	20
92	Acetophenone	105	5.226	5.226	(1.095)	431128	20.0000	20
17	Hexachloroethane	117	5.313	5.313	(1.113)	150537	20.0000	20
18	N-Nitroso-di-n-propylamine	70	5.247	5.247	(1.100)	239320	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.272	5.272	(1.105)	316253	20.0000	20
*	20 Naphthalene-d8	136	6.133	6.133	(1.000)	973612	20.0000	
$	21 Nitrobenzene-d5	82	5.375	5.375	(0.876)	344689	20.0000	20
	22 Nitrobenzene	77	5.396	5.396	(0.880)	357388	20.0000	20
	23 Isophorone	82	5.661	5.661	(0.923)	660082	20.0000	20
	24 2-Nitrophenol	139	5.738	5.738	(0.936)	194173	20.0000	20
	25 2,4-Dimethylphenol	122	5.828	5.828	(0.950)	287057	20.0000	20
	26 Benzoic Acid	122	5.999	5.999	(0.978)	257855	30.0000	42(M)
	27 Bis(2-Chloroethoxy)methane	93	5.919	5.919	(0.965)	415038	20.0000	20
	28 2,4-Dichlorophenol	162	6.006	6.006	(0.979)	276750	20.0000	20
	29 1,2,4-Trichlorobenzene	180	6.083	6.083	(0.992)	303262	20.0000	20
	30 Naphthalene	128	6.155	6.155	(1.004)	1012438	20.0000	20
	31 4-Chloroaniline	127	6.236	6.236	(1.017)	400406	20.0000	20
	32 Hexachlorobutadiene	225	6.313	6.313	(1.029)	164036	20.0000	20
	129 Caprolactam	113	6.627	6.627	(1.081)	95009	20.0000	21
	33 4-Chloro-3-methylphenol	107	6.783	6.783	(1.106)	307704	20.0000	20
	34 2-Methylnaphthalene	142	6.898	6.898	(1.125)	681374	20.0000	20
*	35 Acenaphthene-d10	164	7.998	7.998	(1.000)	588510	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.860	6.860	(1.438)	274680	20.0000	20
	37 Hexachlorocyclopentadiene	237	7.078	7.078	(0.885)	151942	20.0000	17
	38 2,4,6-Trichlorophenol	196	7.212	7.212	(0.902)	199076	20.0000	20
	39 2,4,5-Trichlorophenol	196	7.249	7.249	(0.906)	308151	30.0000	30
$	40 2-Fluorobiphenyl	172	7.299	7.299	(0.913)	707388	20.0000	20
	130 1,1'-Biphenyl	154	7.398	7.398	(0.925)	811866	20.0000	21
	41 2-Chloronaphthalene	162	7.407	7.407	(0.926)	648428	20.0000	21
	42 2-Nitroaniline	65	7.529	7.529	(0.941)	199065	20.0000	20
	43 Acenaphthylene	152	7.843	7.843	(0.981)	1065414	20.0000	20
	44 Dimethylphthalate	163	7.743	7.743	(0.968)	741631	20.0000	20
	45 2,6-Dinitrotoluene	165	7.793	7.793	(0.974)	175172	20.0000	20
	46 Acenaphthene	153	8.029	8.029	(1.004)	659299	20.0000	20
	47 3-Nitroaniline	138	7.967	7.967	(0.996)	194158	20.0000	20
	48 2,4-Dinitrophenol	184	8.076	8.076	(1.010)	122267	30.0000	28
	49 Dibenzofuran	168	8.216	8.216	(1.027)	916653	20.0000	20
	50 2,4-Dinitrotoluene	165	8.216	8.216	(1.027)	235710	20.0000	20
	51 4-Nitrophenol	109	8.178	8.178	(1.023)	136582	30.0000	30
	52 Fluorene	166	8.576	8.576	(1.072)	762821	20.0000	21
	53 4-Chlorophenyl-phenylether	204	8.588	8.588	(1.074)	360219	20.0000	20
	54 Diethylphthalate	149	8.492	8.492	(1.062)	773813	20.0000	20
	55 4-Nitroaniline	138	8.616	8.616	(1.077)	190265	20.0000	20
$	56 2,4,6-Tribromophenol	330	8.831	8.831	(1.104)	153371	30.0000	30
*	57 Phenanthrene-d10	188	9.561	9.561	(1.000)	954352	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.648	8.648	(0.904)	184671	30.0000	28
	59 N-Nitrosodiphenylamine (1)	169	8.719	8.719	(0.912)	547240	20.0000	20
	60 1,2-Diphenylhydrazine	77	8.756	8.756	(0.916)	857668	20.0000	20
	61 4-Bromophenyl-phenylether	248	9.098	9.098	(0.952)	200426	20.0000	20
	131 Atrazine	200	9.297	9.297	(0.972)	152911	20.0000	17
	62 Hexachlorobenzene	284	9.163	9.163	(0.958)	211528	20.0000	20
	63 Pentachlorophenol	266	9.375	9.375	(0.980)	166674	30.0000	28
	64 Phenanthrene	178	9.586	9.586	(1.003)	1059407	20.0000	20
	65 Carbazole	167	9.819	9.819	(1.027)	983876	20.0000	20
	66 Anthracene	178	9.639	9.639	(1.008)	1079713	20.0000	20
	67 Di-n-butylphthalate	149	10.211	10.211	(1.068)	1335937	20.0000	20
	68 Fluoranthene	202	10.842	10.842	(1.134)	1105972	20.0000	20
*	70 Chrysene-d12	240	12.424	12.424	(1.000)	870240	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	10.991	10.991	(0.885)	176506	20.0000	20
72	Pyrene	202	11.075	11.075	(0.891)	1118337	20.0000	20
$ 73	Terphenyl-d14	244	11.255	11.255	(0.906)	763099	20.0000	20
74	Butylbenzylphthalate	149	11.784	11.784	(0.948)	539258	20.0000	20
124	3,3'-Dimethylbenzidine	212	11.759	11.759	(0.946)	201122	20.0000	21
75	3,3'-Dichlorobenzidine	252	12.387	12.387	(0.997)	292175	20.0000	20
76	Benzo(a)anthracene	228	12.408	12.408	(0.999)	950875	20.0000	20
77	Chrysene	228	12.455	12.455	(1.002)	927976	20.0000	20
78	Bis(2-Ethylhexyl)phthalate	149	12.471	12.471	(1.004)	652775	20.0000	20
* 79	Perylene-d12	264	14.556	14.556	(1.000)	596309	20.0000	
80	Di-n-octylphthalate	149	13.369	13.369	(0.918)	772405	20.0000	19
81	Benzo(b)fluoranthene	252	13.925	13.925	(0.957)	732873	20.0000	19
82	Benzo(k)fluoranthene	252	13.972	13.972	(0.960)	781081	20.0000	20
83	Benzo(a)pyrene	252	14.457	14.457	(0.993)	575690	20.0000	20
84	Indeno(1,2,3-cd)pyrene	276	16.517	16.517	(1.135)	288223	20.0000	20
85	Dibenzo(a,h)anthracene	278	16.573	16.573	(1.139)	270587	20.0000	20
86	Benzo(g,h,i)perylene	276	17.036	17.036	(1.170)	265384	20.0000	20
167	Simazine	201	9.269	9.269	(0.969)	100570	20.0000	17(H)
103	1,2,4,5-Tetrachlorobenzene	216	7.078	7.078	(0.885)	140472	25.0000	21
109	2,3,4,6-Tetrachlorophenol	232	8.355	8.355	(1.045)	155662	25.0000	20
119	Pentachloronitrobenzene	237	9.390	9.390	(0.982)	85600	25.0000	20

QC Flag Legend

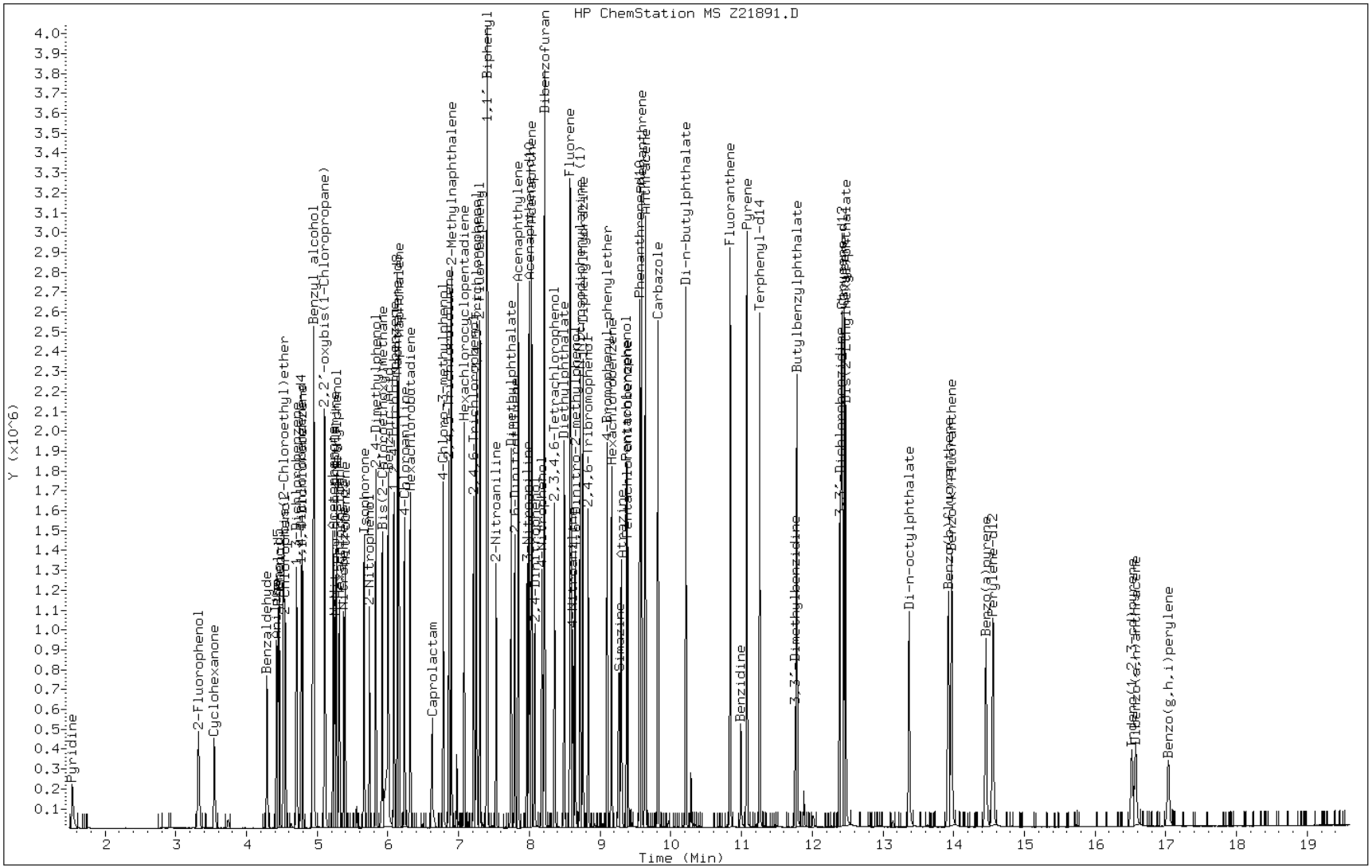
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: Z21891.D

Date: 28-JUL-2011 15:50

Client ID: IC-635516 Instrument: msz.i

Sample Info: IC-635516 Operator: S.Jonas



Manual Integration Report

Data File: Z21891.D
Inj. Date and Time: 28-JUL-2011 15:50
Instrument ID: msz.i
Client ID: IC-635516
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

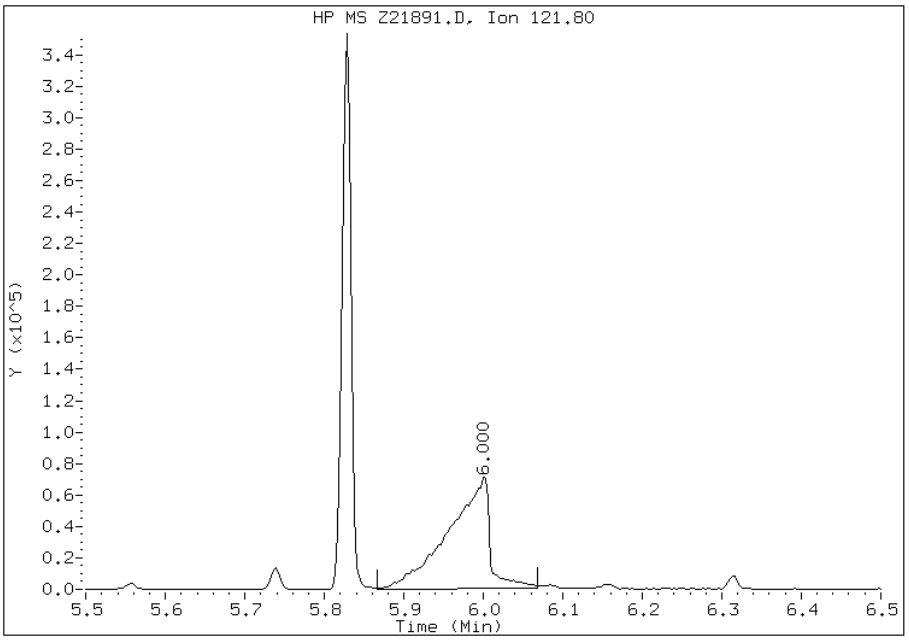
Processing Integration Results

RT: 6.00

Response: 257855

Amount: 35

Conc: 35



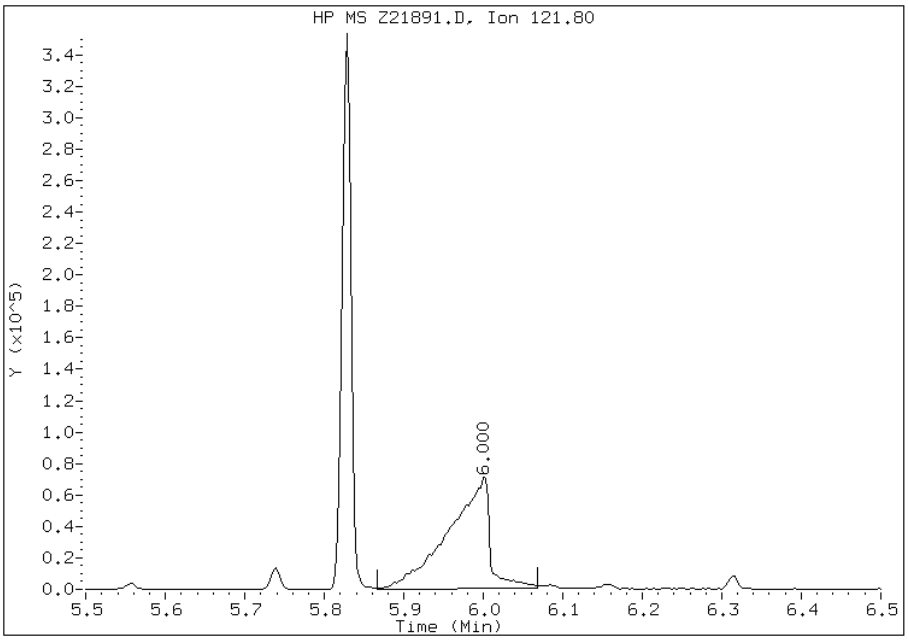
Manual Integration Results

RT: 6.00

Response: 257855

Amount: 42

Conc: 42



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21892.D
Lab Smp Id: IC-635517 Client Smp ID: IC-635517
Inj Date : 28-JUL-2011 16:18
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635517
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 16:18 Cal File: Z21892.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.775	4.775	(1.000)	194045	20.0000	
$ 2	2-Fluorophenol	112	3.326	3.326	(0.697)	689602	60.0000	63
$ 3	Phenol-d5	99	4.467	4.467	(0.936)	972067	60.0000	61
4	Pyridine	52	1.539	1.539	(0.322)	176502	60.0000	62
5	N-Nitrosodimethylamine	42	1.533	1.533	(0.321)	136177	60.0000	62
6	Cyclohexanone	42	3.544	3.544	(0.742)	178753	60.0000	38
128	Benzaldehyde	77	4.290	4.290	(0.898)	303929	60.0000	45
7	Phenol	94	4.483	4.483	(0.939)	1020777	60.0000	60
8	Aniline	93	4.433	4.433	(0.928)	1065010	60.0000	58
9	bis(2-Chloroethyl)ether	63	4.532	4.532	(0.949)	611716	60.0000	60
10	2-Chlorophenol	128	4.557	4.557	(0.954)	872346	60.0000	61
11	1,3-Dichlorobenzene	146	4.713	4.713	(0.987)	977396	60.0000	61
12	1,4-Dichlorobenzene	146	4.794	4.794	(1.004)	996300	60.0000	61
13	Benzyl alcohol	108	4.971	4.971	(1.041)	527018	60.0000	60
14	1,2-Dichlorobenzene	146	4.955	4.955	(1.038)	893958	60.0000	59
15	2,2'-oxybis(1-Chloropropane)	45	5.111	5.111	(1.070)	983017	60.0000	55
16	2-Methylphenol	108	5.117	5.117	(1.072)	757863	60.0000	59
92	Acetophenone	105	5.241	5.241	(1.098)	1211604	60.0000	62
17	Hexachloroethane	117	5.313	5.313	(1.113)	417290	60.0000	61
18	N-Nitroso-di-n-propylamine	70	5.266	5.266	(1.103)	661544	60.0000	62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.288	5.288	(1.107)	853540	60.0000	61
*	20 Naphthalene-d8	136	6.139	6.139	(1.000)	893899	20.0000	
$	21 Nitrobenzene-d5	82	5.387	5.387	(0.877)	982232	60.0000	62
	22 Nitrobenzene	77	5.409	5.409	(0.881)	988536	60.0000	61
	23 Isophorone	82	5.676	5.676	(0.925)	1885084	60.0000	62
	24 2-Nitrophenol	139	5.748	5.748	(0.936)	552999	60.0000	63
	25 2,4-Dimethylphenol	122	5.841	5.841	(0.951)	827250	60.0000	64
	26 Benzoic Acid	122	6.052	6.052	(0.986)	614269	60.0000	78(M)
	27 Bis(2-Chloroethoxy)methane	93	5.931	5.931	(0.966)	1157385	60.0000	61
	28 2,4-Dichlorophenol	162	6.018	6.018	(0.980)	773338	60.0000	62
	29 1,2,4-Trichlorobenzene	180	6.090	6.090	(0.992)	848456	60.0000	62
	30 Naphthalene	128	6.164	6.164	(1.004)	2705253	60.0000	59
	31 4-Chloroaniline	127	6.242	6.242	(1.017)	1083271	60.0000	60
	32 Hexachlorobutadiene	225	6.316	6.316	(1.029)	473124	60.0000	62
	129 Caprolactam	113	6.683	6.683	(1.089)	280943	60.0000	66(M)
	33 4-Chloro-3-methylphenol	107	6.798	6.798	(1.107)	886526	60.0000	64
	34 2-Methylnaphthalene	142	6.904	6.904	(1.125)	1870636	60.0000	61
*	35 Acenaphthene-d10	164	8.001	8.001	(1.000)	543840	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.867	6.867	(1.438)	796149	60.0000	63
	37 Hexachlorocyclopentadiene	237	7.081	7.081	(0.885)	438657	60.0000	60
	38 2,4,6-Trichlorophenol	196	7.221	7.221	(0.903)	592436	60.0000	64
	39 2,4,5-Trichlorophenol	196	7.261	7.261	(0.908)	627630	60.0000	65
$	40 2-Fluorobiphenyl	172	7.308	7.308	(0.913)	1996976	60.0000	62
	130 1,1'-Biphenyl	154	7.407	7.407	(0.926)	2058959	60.0000	58
	41 2-Chloronaphthalene	162	7.417	7.417	(0.927)	1704223	60.0000	59
	42 2-Nitroaniline	65	7.544	7.544	(0.943)	577724	60.0000	63
	43 Acenaphthylene	152	7.849	7.849	(0.981)	3040558	60.0000	62
	44 Dimethylphthalate	163	7.756	7.756	(0.969)	2170132	60.0000	64
	45 2,6-Dinitrotoluene	165	7.808	7.808	(0.976)	524904	60.0000	65
	46 Acenaphthene	153	8.038	8.038	(1.005)	1877164	60.0000	62
	47 3-Nitroaniline	138	7.982	7.982	(0.998)	571337	60.0000	64
	48 2,4-Dinitrophenol	184	8.088	8.088	(1.011)	303703	60.0000	60
	49 Dibenzofuran	168	8.222	8.222	(1.028)	2554621	60.0000	61
	50 2,4-Dinitrotoluene	165	8.231	8.231	(1.029)	687335	60.0000	64
	51 4-Nitrophenol	109	8.200	8.200	(1.025)	295645	60.0000	70(M)
	52 Fluorene	166	8.585	8.585	(1.073)	2078021	60.0000	61
	53 4-Chlorophenyl-phenylether	204	8.595	8.595	(1.074)	1014358	60.0000	62
	54 Diethylphthalate	149	8.505	8.505	(1.063)	2248741	60.0000	63
	55 4-Nitroaniline	138	8.641	8.641	(1.080)	570749	60.0000	66
$	56 2,4,6-Tribromophenol	330	8.843	8.843	(1.105)	318015	60.0000	68
*	57 Phenanthrene-d10	188	9.568	9.568	(1.000)	897240	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.666	8.666	(0.906)	414735	60.0000	60
	59 N-Nitrosodiphenylamine (1)	169	8.731	8.731	(0.913)	1623422	60.0000	63
	60 1,2-Diphenylhydrazine	77	8.766	8.766	(0.916)	2391592	60.0000	61
	61 4-Bromophenyl-phenylether	248	9.108	9.108	(0.952)	604507	60.0000	64
	131 Atrazine	200	9.319	9.319	(0.974)	542246	60.0000	66
	62 Hexachlorobenzene	284	9.173	9.173	(0.959)	643786	60.0000	64
	63 Pentachlorophenol	266	9.387	9.387	(0.981)	396999	60.0000	60
	64 Phenanthrene	178	9.599	9.599	(1.003)	3098664	60.0000	62
	65 Carbazole	167	9.829	9.829	(1.027)	2934127	60.0000	63
	66 Anthracene	178	9.651	9.651	(1.009)	3188688	60.0000	63
	67 Di-n-butylphthalate	149	10.220	10.220	(1.068)	3897454	60.0000	63
	68 Fluoranthene	202	10.851	10.851	(1.134)	3340680	60.0000	64
*	70 Chrysene-d12	240	12.433	12.433	(1.000)	839229	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.997	10.997	(0.885)	389022	60.0000	46
72	Pyrene	202	11.087	11.087	(0.892)	3391234	60.0000	62
$ 73	Terphenyl-d14	244	11.265	11.265	(0.906)	2332994	60.0000	63
74	Butylbenzylphthalate	149	11.790	11.790	(0.948)	1653754	60.0000	64
124	3,3'-Dimethylbenzidine	212	11.765	11.765	(0.946)	522449	60.0000	57
75	3,3'-Dichlorobenzidine	252	12.402	12.402	(0.998)	892089	60.0000	64
76	Benzo(a)anthracene	228	12.418	12.418	(0.999)	2974047	60.0000	64
77	Chrysene	228	12.471	12.471	(1.003)	2835347	60.0000	64
78	Bis(2-Ethylhexyl)phthalate	149	12.477	12.477	(1.003)	1951444	60.0000	62
* 79	Perylene-d12	264	14.559	14.559	(1.000)	487487	20.0000	
80	Di-n-octylphthalate	149	13.378	13.378	(0.919)	2550092	60.0000	61
81	Benzo(b)fluoranthene	252	13.947	13.947	(0.958)	2173694	60.0000	68
82	Benzo(k)fluoranthene	252	13.993	13.993	(0.961)	2228215	60.0000	68
83	Benzo(a)pyrene	252	14.478	14.478	(0.994)	1590489	60.0000	66
84	Indeno(1,2,3-cd)pyrene	276	16.536	16.536	(1.136)	696381	60.0000	60
85	Dibenzo(a,h)anthracene	278	16.586	16.586	(1.139)	663351	60.0000	60
86	Benzo(g,h,i)perylene	276	17.055	17.055	(1.171)	645349	60.0000	60
167	Simazine	201	9.294	9.294	(0.971)	351245	60.0000	65
103	1,2,4,5-Tetrachlorobenzene	216	7.084	7.084	(0.885)	396097	60.0000	65
109	2,3,4,6-Tetrachlorophenol	232	8.365	8.365	(1.045)	476052	60.0000	60
119	Pentachloronitrobenzene	237	9.403	9.403	(0.983)	254070	60.0000	65

QC Flag Legend

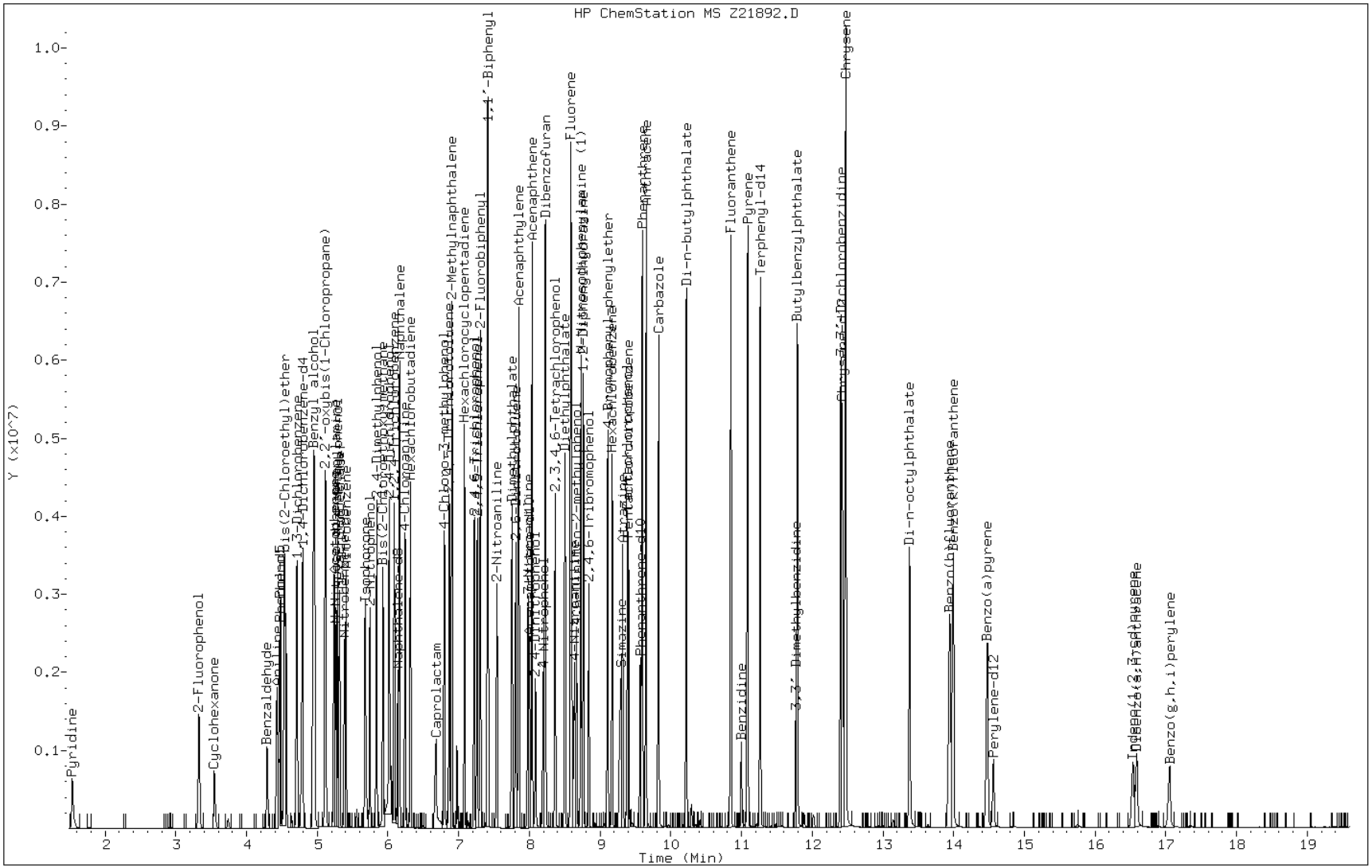
M - Compound response manually integrated.

Data File: Z21892.D

Date: 28-JUL-2011 16:18

Client ID: IC-635517 Instrument: msz.i

Sample Info: IC-635517 Operator: S.Jonas



Manual Integration Report

Data File: Z21892.D
Inj. Date and Time: 28-JUL-2011 16:18
Instrument ID: msz.i
Client ID: IC-635517
Compound: 51 4-Nitrophenol
CAS #: 100-02-7
Report Date: 08/01/2011

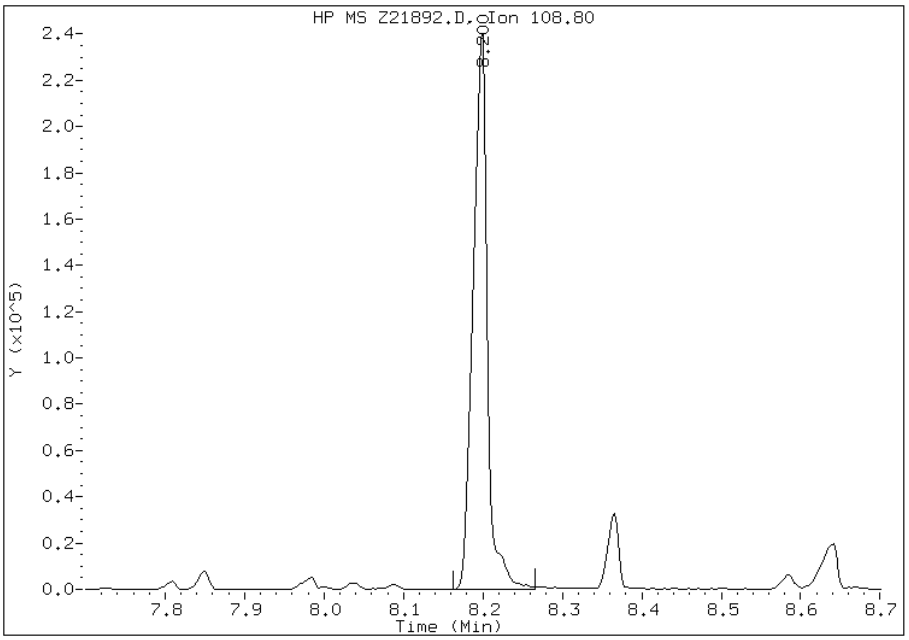
Processing Integration Results

RT: 8.20

Response: 308646

Amount: 73

Conc: 73



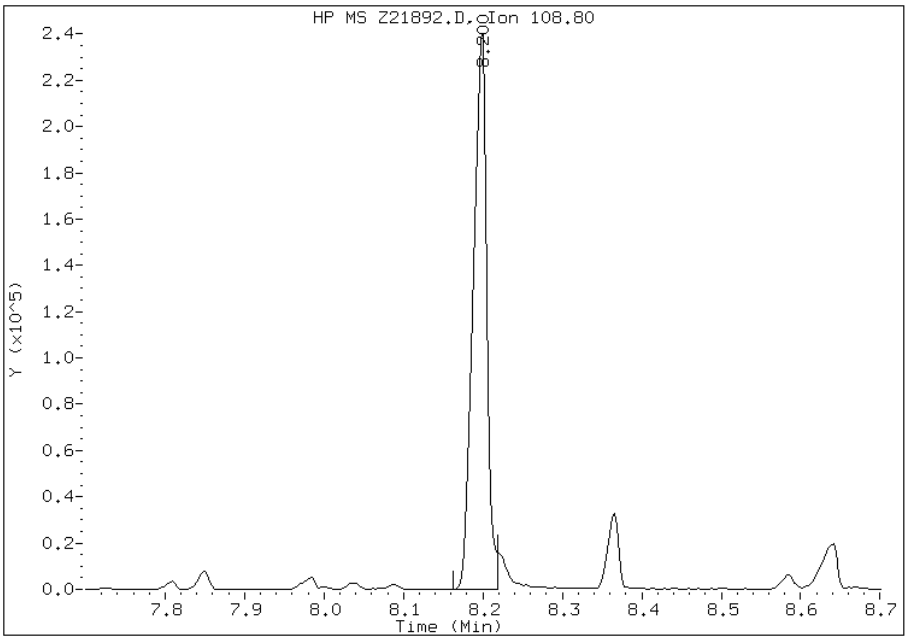
Manual Integration Results

RT: 8.20

Response: 295645

Amount: 70

Conc: 70



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21892.D
Inj. Date and Time: 28-JUL-2011 16:18
Instrument ID: msz.i
Client ID: IC-635517
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

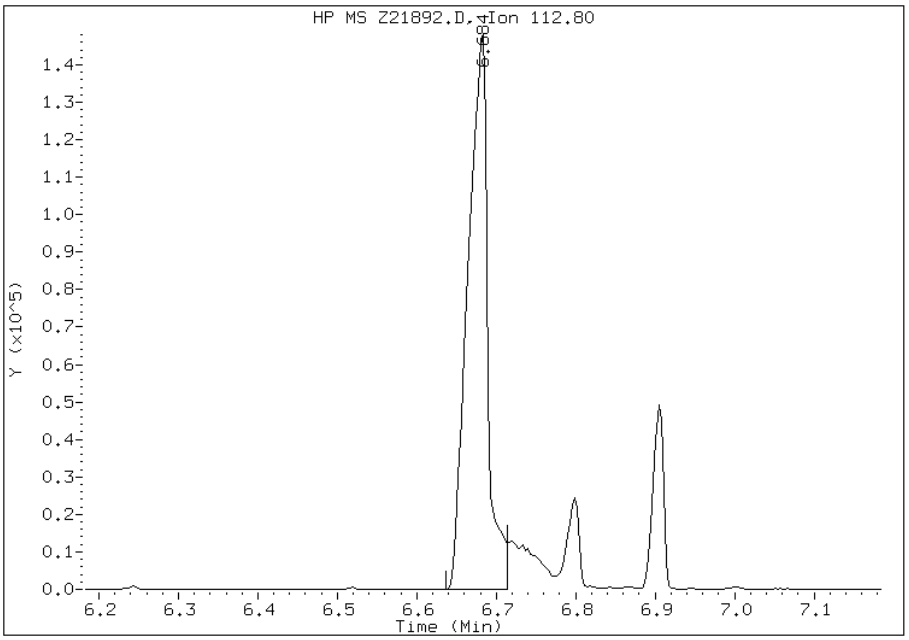
Processing Integration Results

RT: 6.68

Response: 264234

Amount: 63

Conc: 63



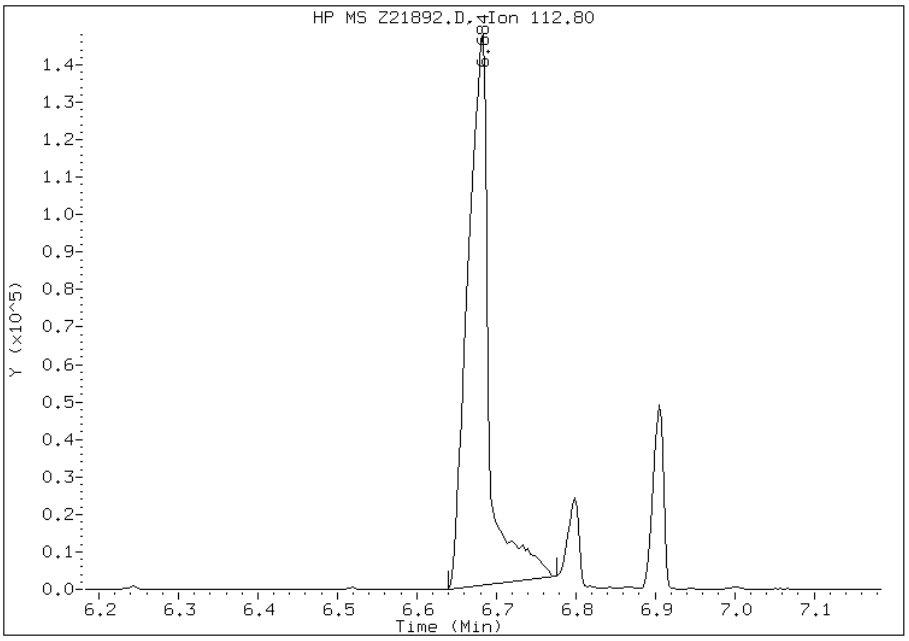
Manual Integration Results

RT: 6.68

Response: 280943

Amount: 66

Conc: 66



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21892.D
Inj. Date and Time: 28-JUL-2011 16:18
Instrument ID: msz.i
Client ID: IC-635517
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

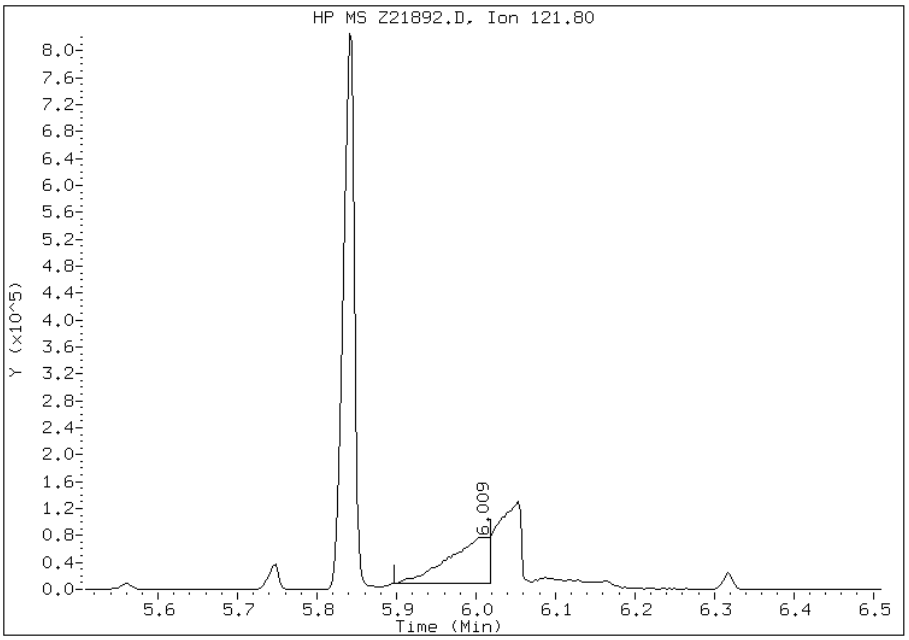
Processing Integration Results

RT: 6.01

Response: 248091

Amount: 39

Conc: 39



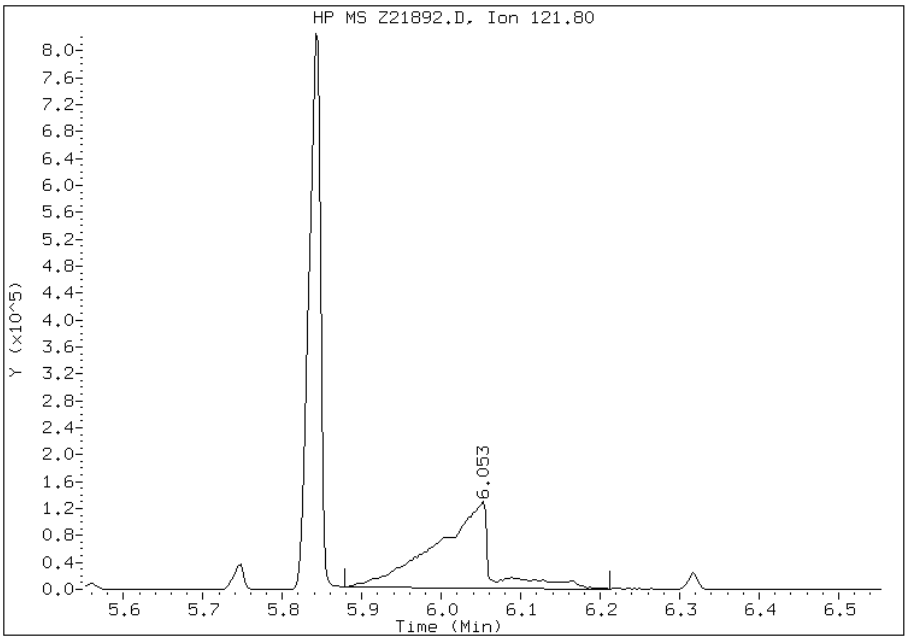
Manual Integration Results

RT: 6.05

Response: 614269

Amount: 78

Conc: 78



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Z21893.D
Lab Smp Id: IC-635518 Client Smp ID: IC-635518
Inj Date : 28-JUL-2011 16:46
Operator : S.Jonas Inst ID: msz.i
Smp Info : IC-635518
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 07:36 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 16:46 Cal File: Z21893.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.775	4.775	(1.000)	204651	20.0000	
$ 2	2-Fluorophenol	112	3.333	3.333	(0.698)	957945	80.0000	82(A)
$ 3	Phenol-d5	99	4.473	4.473	(0.937)	1344464	80.0000	80(A)
4	Pyridine	52	1.542	1.542	(0.323)	251953	80.0000	84(A)
5	N-Nitrosodimethylamine	42	1.536	1.536	(0.322)	192476	80.0000	83(A)
6	Cyclohexanone	42	3.544	3.544	(0.742)	195990	80.0000	40
128	Benzaldehyde	77	4.290	4.290	(0.898)	358799	80.0000	50
7	Phenol	94	4.492	4.492	(0.941)	1389261	80.0000	77
8	Aniline	93	4.433	4.433	(0.928)	1477450	80.0000	76
9	bis(2-Chloroethyl)ether	63	4.535	4.535	(0.950)	839890	80.0000	78
10	2-Chlorophenol	128	4.563	4.563	(0.956)	1192205	80.0000	79
11	1,3-Dichlorobenzene	146	4.713	4.713	(0.987)	1343820	80.0000	80
12	1,4-Dichlorobenzene	146	4.797	4.797	(1.005)	1355082	80.0000	79
13	Benzyl alcohol	108	4.980	4.980	(1.043)	741507	80.0000	80(A)
14	1,2-Dichlorobenzene	146	4.958	4.958	(1.038)	1200388	80.0000	75
15	2,2'-oxybis(1-Chloropropane)	45	5.114	5.114	(1.071)	1307602	80.0000	70
16	2-Methylphenol	108	5.126	5.126	(1.074)	1044933	80.0000	77
92	Acetophenone	105	5.247	5.247	(1.099)	1694986	80.0000	82(A)
17	Hexachloroethane	117	5.316	5.316	(1.113)	568981	80.0000	79
18	N-Nitroso-di-n-propylamine	70	5.275	5.275	(1.105)	891680	80.0000	79

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	19 4-Methylphenol	108	5.297	5.297	(1.109)	1139702	80.0000	77
*	20 Naphthalene-d8	136	6.142	6.142	(1.000)	948369	20.0000	
$	21 Nitrobenzene-d5	82	5.393	5.393	(0.878)	1378208	80.0000	82(A)
	22 Nitrobenzene	77	5.415	5.415	(0.882)	1355761	80.0000	78
	23 Isophorone	82	5.685	5.685	(0.926)	2706316	80.0000	84(A)
	24 2-Nitrophenol	139	5.751	5.751	(0.936)	775166	80.0000	84(A)
	25 2,4-Dimethylphenol	122	5.850	5.850	(0.952)	1143148	80.0000	84(A)
	26 Benzoic Acid	122	6.074	6.074	(0.989)	877114	80.0000	100(AM)
	27 Bis(2-Chloroethoxy)methane	93	5.934	5.934	(0.966)	1591717	80.0000	79
	28 2,4-Dichlorophenol	162	6.024	6.024	(0.981)	1066053	80.0000	80(A)
	29 1,2,4-Trichlorobenzene	180	6.093	6.093	(0.992)	1155617	80.0000	79
	30 Naphthalene	128	6.167	6.167	(1.004)	3638633	80.0000	75
	31 4-Chloroaniline	127	6.248	6.248	(1.017)	1460777	80.0000	76
	32 Hexachlorobutadiene	225	6.320	6.320	(1.029)	651317	80.0000	81(A)
	129 Caprolactam	113	6.708	6.708	(1.092)	386921	80.0000	86(A)
	33 4-Chloro-3-methylphenol	107	6.808	6.808	(1.108)	1214419	80.0000	83(A)
	34 2-Methylnaphthalene	142	6.910	6.910	(1.125)	2523117	80.0000	78
*	35 Acenaphthene-d10	164	8.001	8.001	(1.000)	574221	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.870	6.870	(1.439)	1113358	80.0000	84(A)
	37 Hexachlorocyclopentadiene	237	7.084	7.084	(0.885)	566982	80.0000	79
	38 2,4,6-Trichlorophenol	196	7.224	7.224	(0.903)	837679	80.0000	86(A)
	39 2,4,5-Trichlorophenol	196	7.271	7.271	(0.909)	881718	80.0000	87(A)
$	40 2-Fluorobiphenyl	172	7.311	7.311	(0.914)	2741704	80.0000	80(A)
	130 1,1'-Biphenyl	154	7.414	7.414	(0.927)	2580842	80.0000	69
	41 2-Chloronaphthalene	162	7.423	7.423	(0.928)	2250297	80.0000	74
	42 2-Nitroaniline	65	7.547	7.547	(0.943)	807849	80.0000	84(A)
	43 Acenaphthylene	152	7.855	7.855	(0.982)	4141175	80.0000	80(A)
	44 Dimethylphthalate	163	7.762	7.762	(0.970)	3034205	80.0000	84(A)
	45 2,6-Dinitrotoluene	165	7.818	7.818	(0.977)	744581	80.0000	88(A)
	46 Acenaphthene	153	8.045	8.045	(1.005)	2551844	80.0000	80
	47 3-Nitroaniline	138	7.992	7.992	(0.999)	803088	80.0000	86(A)
	48 2,4-Dinitrophenol	184	8.094	8.094	(1.012)	460844	80.0000	82(A)
	49 Dibenzofuran	168	8.228	8.228	(1.028)	3431636	80.0000	78
	50 2,4-Dinitrotoluene	165	8.240	8.240	(1.030)	955570	80.0000	84(AM)
	51 4-Nitrophenol	109	8.209	8.209	(1.026)	433606	80.0000	97(A)
	52 Fluorene	166	8.588	8.588	(1.073)	2707274	80.0000	76
	53 4-Chlorophenyl-phenylether	204	8.601	8.601	(1.075)	1331471	80.0000	77
	54 Diethylphthalate	149	8.511	8.511	(1.064)	3112984	80.0000	83(A)
	55 4-Nitroaniline	138	8.657	8.657	(1.082)	784578	80.0000	86(A)
$	56 2,4,6-Tribromophenol	330	8.846	8.846	(1.106)	457668	80.0000	92(A)
*	57 Phenanthrene-d10	188	9.571	9.571	(1.000)	939558	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.679	8.679	(0.907)	609388	80.0000	82(A)
	59 N-Nitrosodiphenylamine (1)	169	8.738	8.738	(0.913)	2245076	80.0000	84(A)
	60 1,2-Diphenylhydrazine	77	8.769	8.769	(0.916)	3250303	80.0000	79
	61 4-Bromophenyl-phenylether	248	9.114	9.114	(0.952)	858602	80.0000	87(A)
	131 Atrazine	200	9.328	9.328	(0.975)	790242	80.0000	91(A)
	62 Hexachlorobenzene	284	9.176	9.176	(0.959)	906781	80.0000	86(A)
	63 Pentachlorophenol	266	9.393	9.393	(0.981)	588637	80.0000	82(A)
	64 Phenanthrene	178	9.602	9.602	(1.003)	4281150	80.0000	82(A)
	65 Carbazole	167	9.835	9.835	(1.028)	4076902	80.0000	84(A)
	66 Anthracene	178	9.658	9.658	(1.009)	4367245	80.0000	82(A)
	67 Di-n-butylphthalate	149	10.223	10.223	(1.068)	5356438	80.0000	83(A)
	68 Fluoranthene	202	10.857	10.857	(1.134)	4679688	80.0000	86(A)
*	70 Chrysene-d12	240	12.439	12.439	(1.000)	861927	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
71	Benzidine	184	11.000	11.000	(0.884)	464753	80.0000	54
72	Pyrene	202	11.094	11.094	(0.892)	4753073	80.0000	85(A)
$ 73	Terphenyl-d14	244	11.271	11.271	(0.906)	3261871	80.0000	86(A)
74	Butylbenzylphthalate	149	11.796	11.796	(0.948)	2324740	80.0000	87(A)
124	3,3'-Dimethylbenzidine	212	11.768	11.768	(0.946)	636124	80.0000	68
75	3,3'-Dichlorobenzidine	252	12.408	12.408	(0.998)	1189674	80.0000	84(A)
76	Benzo(a)anthracene	228	12.424	12.424	(0.999)	4132380	80.0000	86(A)
77	Chrysene	228	12.480	12.480	(1.003)	3757258	80.0000	82(A)
78	Bis(2-Ethylhexyl)phthalate	149	12.480	12.480	(1.003)	2553709	80.0000	78
* 79	Perylene-d12	264	14.565	14.565	(1.000)	442507	20.0000	
80	Di-n-octylphthalate	149	13.381	13.381	(0.919)	3638352	80.0000	80
81	Benzo(b)fluoranthene	252	13.953	13.953	(0.958)	2896423	80.0000	100(A)
82	Benzo(k)fluoranthene	252	14.003	14.003	(0.961)	2787531	80.0000	94(A)
83	Benzo(a)pyrene	252	14.485	14.485	(0.994)	1975933	80.0000	91(A)
84	Indeno(1,2,3-cd)pyrene	276	16.542	16.542	(1.136)	898120	80.0000	86(A)
85	Dibenzo(a,h)anthracene	278	16.595	16.595	(1.139)	930476	80.0000	93(A)
86	Benzo(g,h,i)perylene	276	17.064	17.064	(1.172)	872529	80.0000	90(A)
167	Simazine	201	9.313	9.313	(0.973)	525583	80.0000	93(AM)
103	1,2,4,5-Tetrachlorobenzene	216	7.087	7.087	(0.886)	549419	80.0000	86(A)
109	2,3,4,6-Tetrachlorophenol	232	8.371	8.371	(1.046)	683564	80.0000	81(A)
119	Pentachloronitrobenzene	237	9.409	9.409	(0.983)	360018	80.0000	88(A)

QC Flag Legend

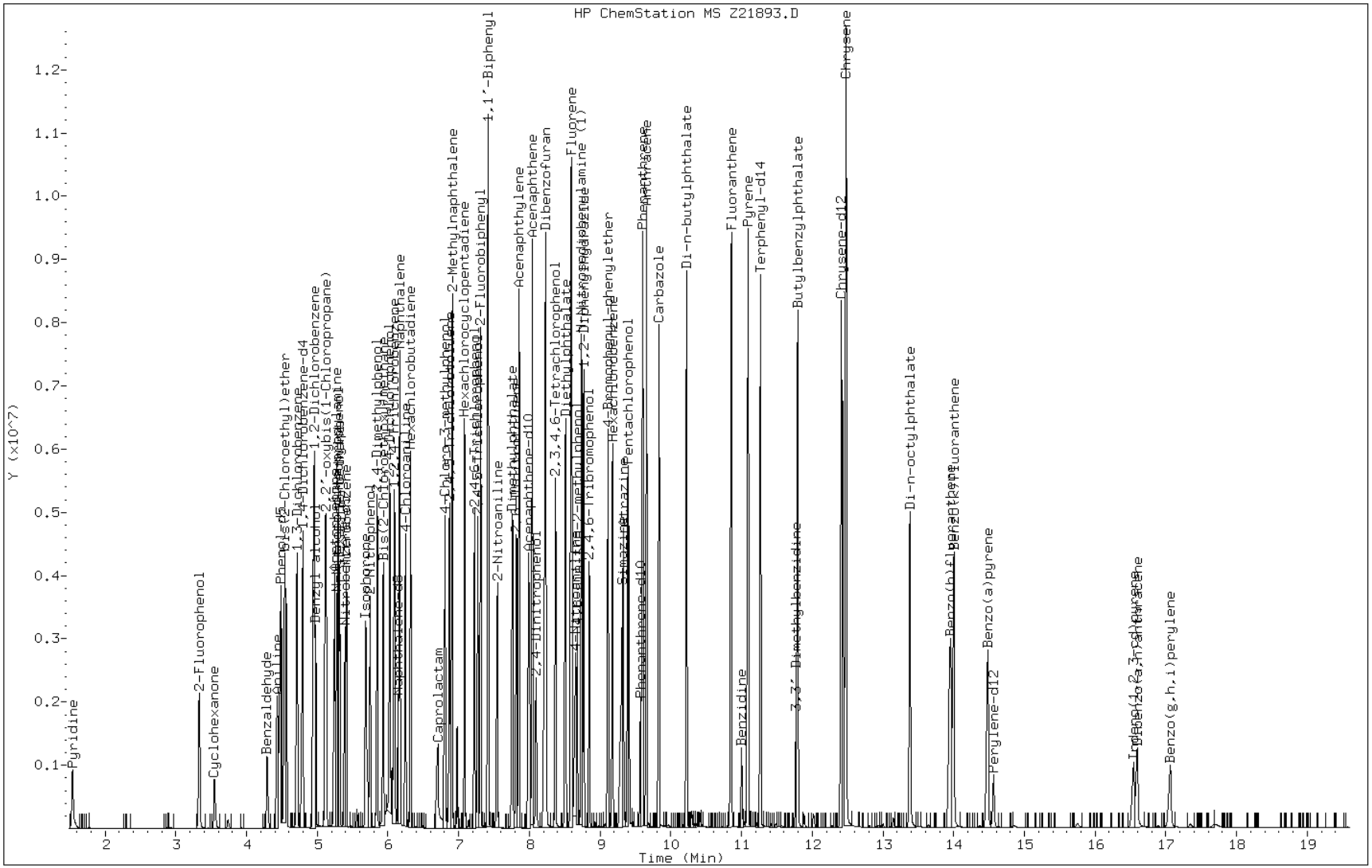
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: Z21893.D

Date: 28-JUL-2011 16:46

Client ID: IC-635518 Instrument: msz.i

Sample Info: IC-635518 Operator: S.Jonas



Manual Integration Report

Data File: Z21893.D
Inj. Date and Time: 28-JUL-2011 16:46
Instrument ID: msz.i
Client ID: IC-635518
Compound: 167 Simazine
CAS #: 122-34-9
Report Date: 08/02/2011

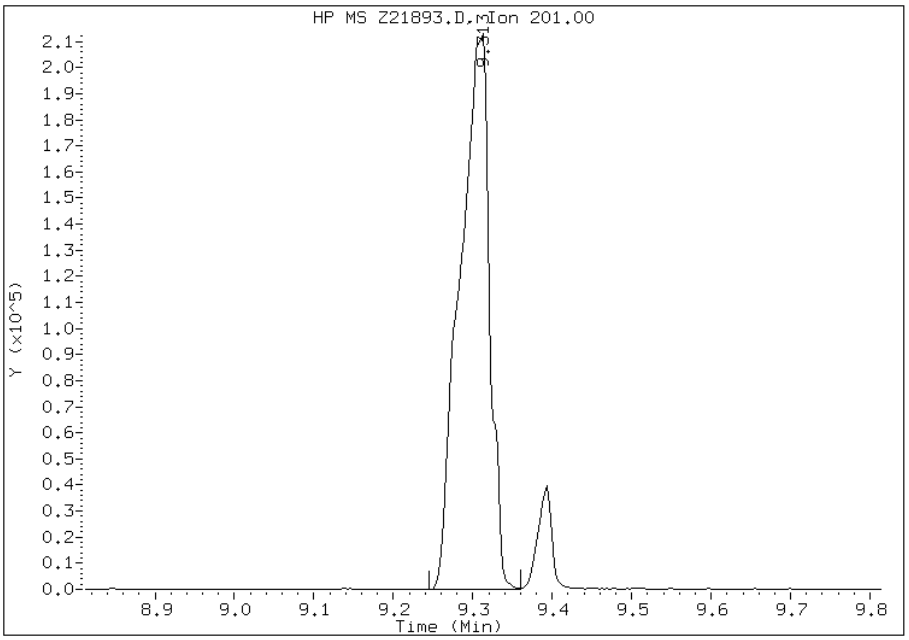
Processing Integration Results

RT: 9.31

Response: 556112

Amount: 98

Conc: 98



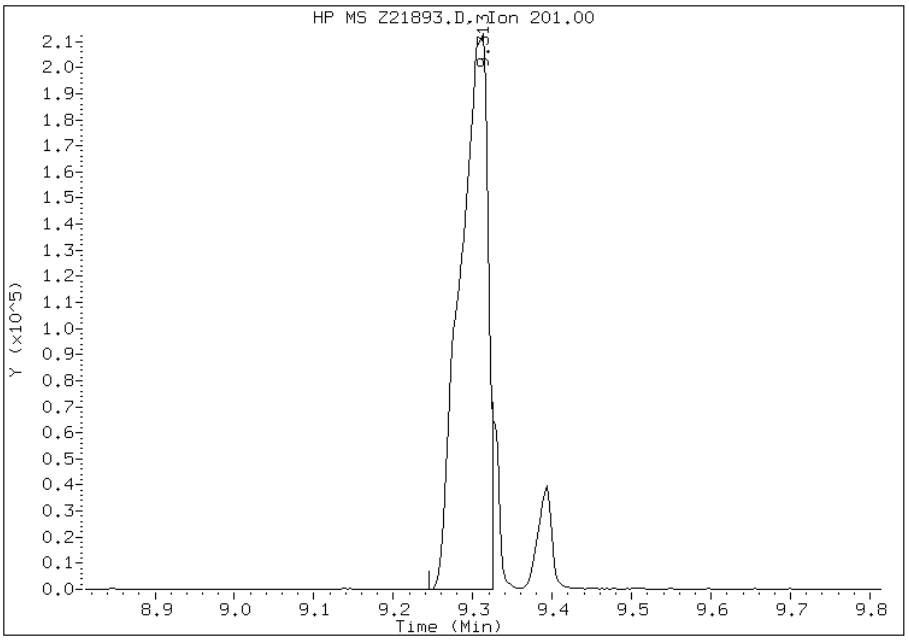
Manual Integration Results

RT: 9.31

Response: 525583

Amount: 93

Conc: 93



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21893.D
Inj. Date and Time: 28-JUL-2011 16:46
Instrument ID: msz.i
Client ID: IC-635518
Compound: 50 2,4-Dinitrotoluene
CAS #: 121-14-2
Report Date: 08/02/2011

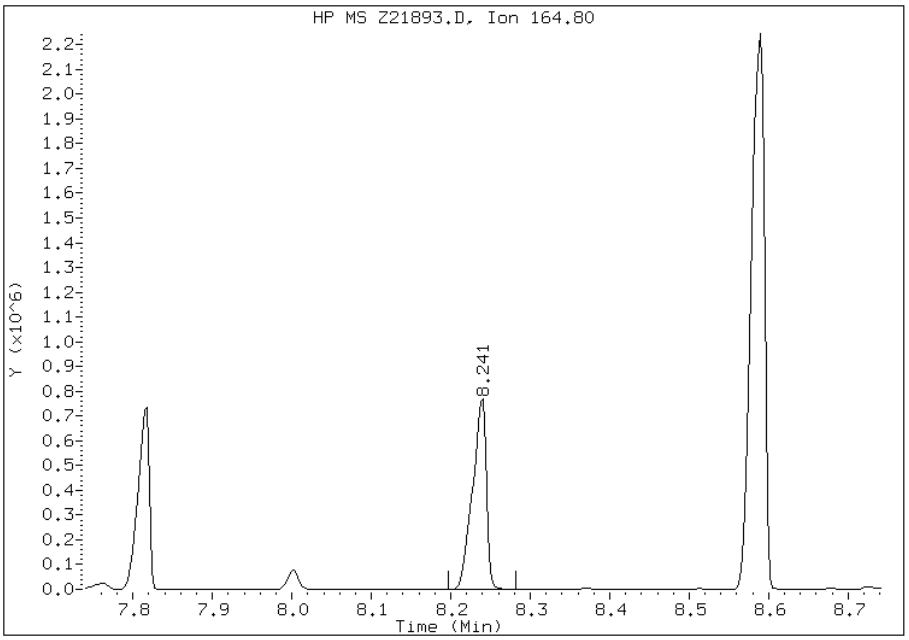
Processing Integration Results

RT: 8.24

Response: 955570

Amount: 84

Conc: 84



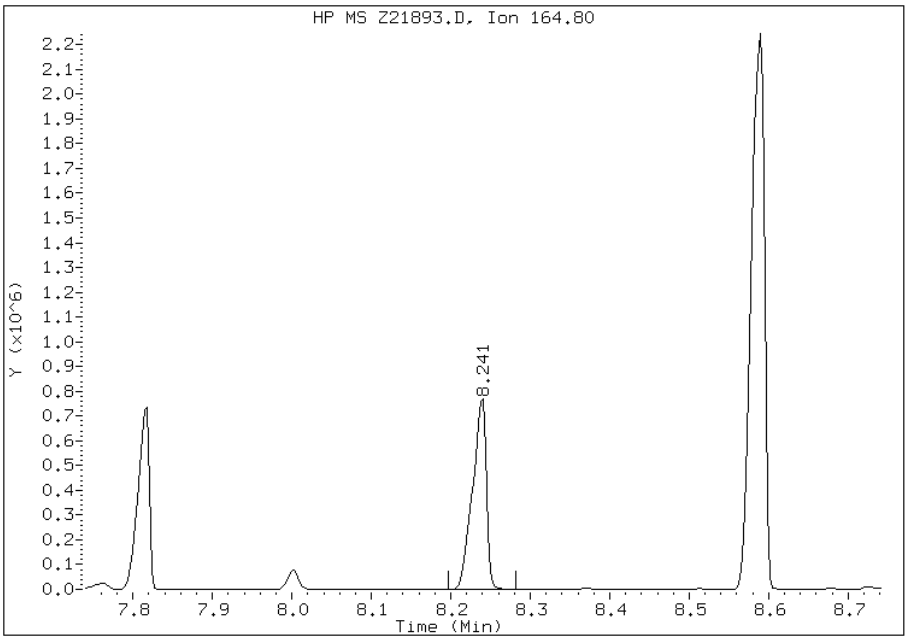
Manual Integration Results

RT: 8.24

Response: 955570

Amount: 84

Conc: 84



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21893.D
Inj. Date and Time: 28-JUL-2011 16:46
Instrument ID: msz.i
Client ID: IC-635518
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/02/2011

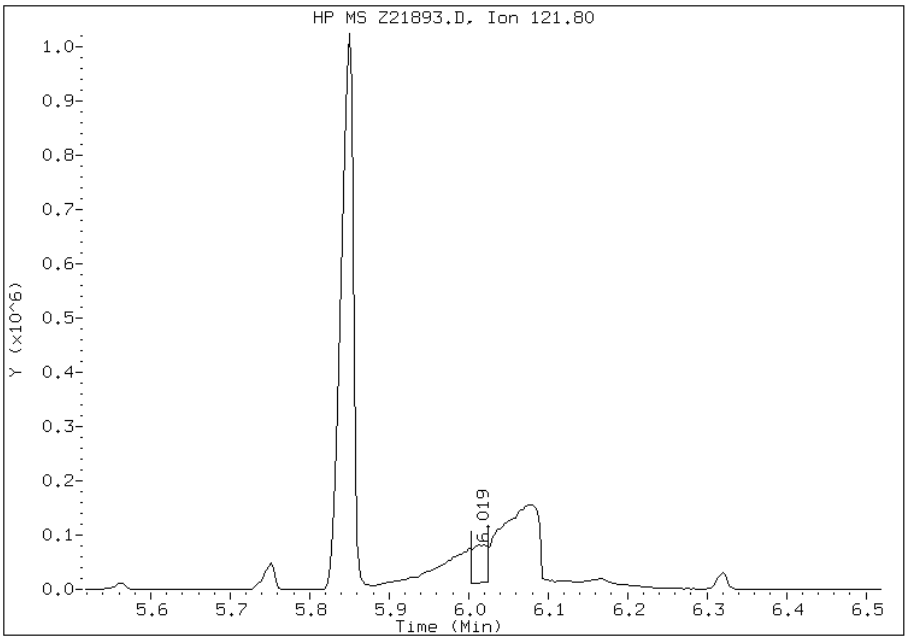
Processing Integration Results

RT: 6.02

Response: 99818

Amount: 17

Conc: 17



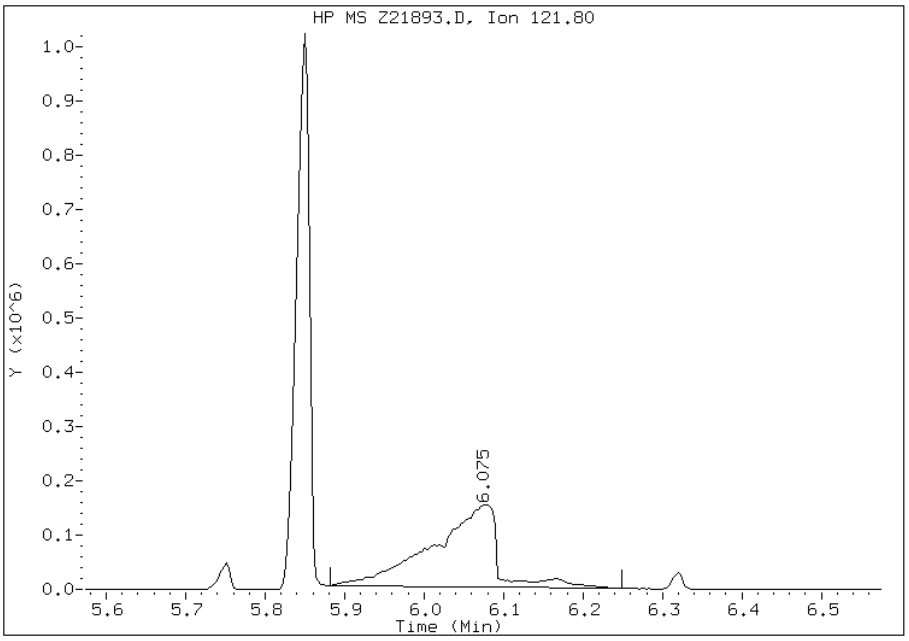
Manual Integration Results

RT: 6.07

Response: 877114

Amount: 105

Conc: 105



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53500/1 Calibration Date: 08/01/2011 09:13

Instrument ID: MSZ Calib Start Date: 07/28/2011 13:54

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 16:46

Lab File ID: Z21913.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.2253	0.2217	0.0500	39.4	40.0	-1.6	30.0
Pyridine	Ave	0.2916	0.2840	0.0500	39.0	40.0	-2.6	30.0
Cyclohexanone	Ave	0.4789	0.5208	0.0500	43.5	40.0	8.7	30.0
Benzaldehyde	Ave	0.6974	0.3432	0.0500	19.7	40.0	-50.8*	30.0
Aniline	Ave	1.894	1.862	0.0500	39.3	40.0	-1.7	30.0
Phenol	Ave	1.754	1.702	0.0500	38.8	40.0	-3.0	20.0
Bis(2-chloroethyl)ether	Ave	1.055	1.025	0.0500	38.8	40.0	-2.9	30.0
2-Chlorophenol	Ave	1.470	1.413	0.0500	38.4	40.0	-3.9	30.0
1,3-Dichlorobenzene	Ave	1.649	1.566	0.0500	38.0	40.0	-5.0	30.0
1,4-Dichlorobenzene	Ave	1.684	1.593	0.0500	37.8	40.0	-5.4	20.0
1,2-Dichlorobenzene	Ave	1.565	1.462	0.0500	37.4	40.0	-6.6	30.0
Benzyl alcohol	Ave	0.9032	0.8893	0.0500	39.4	40.0	-1.5	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.830	1.783	0.0500	39.0	40.0	-2.6	30.0
2-Methylphenol	Ave	1.331	1.246	0.0500	37.4	40.0	-6.4	30.0
Acetophenone	Ave	2.022	1.946	0.0500	38.5	40.0	-3.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.104	1.098	0.0500	39.8	40.0	-0.5	30.0
Methylphenol, 3 & 4	Ave	1.446	1.401	0.0500	38.8	40.0	-3.1	30.0
Hexachloroethane	Ave	0.7021	0.6782	0.0500	38.6	40.0	-3.4	30.0
Nitrobenzene	Ave	0.3641	0.3596	0.0500	39.5	40.0	-1.2	30.0
Isophorone	Ave	0.6784	0.6636	0.0500	39.1	40.0	-2.2	30.0
2-Nitrophenol	Ave	0.1953	0.1947	0.0500	39.9	40.0	-0.3	20.0
2,4-Dimethylphenol	Ave	0.2875	0.2888	0.0500	40.2	40.0	0.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.4224	0.4060	0.0500	38.4	40.0	-3.9	30.0
2,4-Dichlorophenol	Ave	0.2792	0.2696	0.0500	38.6	40.0	-3.4	20.0
Benzoic acid	Qua	0.1755	0.1760	0.0500	37.9	40.0	-5.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3086	0.2949	0.0500	38.2	40.0	-4.4	30.0
Naphthalene	Ave	1.017	0.9668	0.0500	38.0	40.0	-5.0	30.0
4-Chloroaniline	Ave	0.4024	0.3845	0.0500	38.2	40.0	-4.5	30.0
Hexachlorobutadiene	Ave	0.1696	0.1601	0.0500	37.8	40.0	-5.6	20.0
Caprolactam	Ave	0.0946	0.0919	0.0500	38.8	40.0	-2.9	30.0
4-Chloro-3-methylphenol	Ave	0.3090	0.3057	0.0500	39.6	40.0	-1.1	20.0
2,4,5-Trichlorotoluene	Ave	1.293	1.213	0.0500	37.5	40.0	-6.2	30.0
2-Methylnaphthalene	Ave	0.6861	0.6579	0.0500	38.4	40.0	-4.1	30.0
Hexachlorocyclopentadiene	Qua	0.2377	0.3197	0.0500	45.3	40.0	13.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.2234	0.2284	0.0500	40.9	40.0	2.3	30.0
2,4,6-Trichlorophenol	Ave	0.3379	0.3383	0.0500	40.0	40.0	0.0	20.0
2,4,5-Trichlorophenol	Ave	0.3529	0.3620	0.0500	41.0	40.0	2.6	30.0
1,1'-Biphenyl	Ave	1.309	1.279	0.0500	39.1	40.0	-2.2	30.0
2-Chloronaphthalene	Ave	1.065	1.038	0.0500	39.0	40.0	-2.5	30.0
2-Nitroaniline	Ave	0.3348	0.3501	0.0500	41.8	40.0	4.6	30.0
Dimethyl phthalate	Ave	1.255	1.224	0.0500	39.0	40.0	-2.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53500/1 Calibration Date: 08/01/2011 09:13

Instrument ID: MSZ Calib Start Date: 07/28/2011 13:54

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 16:46

Lab File ID: Z21913.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.2956	0.2984	0.0500	40.4	40.0	0.9	30.0
Acenaphthylene	Ave	1.802	1.781	0.0500	39.5	40.0	-1.2	30.0
3-Nitroaniline	Ave	0.3261	0.3257	0.0500	39.9	40.0	-0.1	30.0
Acenaphthene	Ave	1.116	1.097	0.0500	39.3	40.0	-1.7	20.0
2,4-Dinitrophenol	Qua	0.1301	0.1819	0.0500	45.3	40.0	13.1	30.0
4-Nitrophenol	Lin	0.1551	0.1728	0.0500	39.7	40.0	-0.6	30.0
Dibenzofuran	Ave	1.539	1.512	0.0500	39.3	40.0	-1.8	30.0
2,4-Dinitrotoluene	Ave	0.3953	0.3994	0.0500	40.4	40.0	1.0	30.0
2,3,4,6-Tetrachlorophenol	Lin	0.2455	0.2710	0.0500	38.6	40.0	-3.6	30.0
Diethyl phthalate	Ave	1.304	1.273	0.0500	39.0	40.0	-2.4	30.0
Fluorene	Ave	1.248	1.256	0.0500	40.3	40.0	0.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.5986	0.5908	0.0500	39.5	40.0	-1.3	30.0
4-Nitroaniline	Ave	0.3166	0.3291	0.0500	41.6	40.0	3.9	30.0
4,6-Dinitro-2-methylphenol	Lin	0.1234	0.1462	0.0500	40.0	40.0	-0.1	30.0
N-Nitrosodiphenylamine	Ave	0.5707	0.5578	0.0500	39.1	40.0	-2.3	20.0
1,2-Diphenylhydrazine	Ave	0.8795	0.8844	0.0500	40.2	40.0	0.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2093	0.2060	0.0500	39.4	40.0	-1.6	30.0
Hexachlorobenzene	Ave	0.2230	0.2166	0.0500	38.8	40.0	-2.9	30.0
Simazine	Ave	0.1200	0.1207	0.0500	40.2	40.0	0.6	30.0
Atrazine	Ave	0.1842	0.1920	0.0500	41.7	40.0	4.2	30.0
Pentachlorophenol	Lin	0.1131	0.1308	0.0500	38.2	40.0	-4.4	20.0
Pentachloronitrobenzene	Ave	0.0871	0.0857	0.0500	39.3	40.0	-1.6	30.0
Phenanthrene	Ave	1.110	1.085	0.0500	39.1	40.0	-2.2	30.0
Anthracene	Ave	1.130	1.115	0.0500	39.5	40.0	-1.3	30.0
Carbazole	Ave	1.036	1.019	0.0500	39.3	40.0	-1.7	30.0
Di-n-butyl phthalate	Ave	1.379	1.309	0.0500	38.0	40.0	-5.1	30.0
Fluoranthene	Ave	1.160	1.138	0.0500	39.2	40.0	-1.9	20.0
Benzidine	Ave	0.2003	0.2191	0.0500	43.8	40.0	9.4	30.0
Pyrene	Ave	1.294	1.307	0.0500	40.4	40.0	1.0	30.0
3,3'-Dimethylbenzidine	Ave	0.2170	0.2089	0.0500	38.5	40.0	-3.8	30.0
Butyl benzyl phthalate	Ave	0.6167	0.5667	0.0500	36.8	40.0	-8.1	30.0
3,3'-Dichlorobenzidine	Ave	0.3304	0.3155	0.0500	38.2	40.0	-4.5	30.0
Benzo[a]anthracene	Ave	1.112	1.090	0.0500	39.2	40.0	-1.9	30.0
Chrysene	Ave	1.063	1.038	0.0500	39.1	40.0	-2.3	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7556	0.6667	0.0500	35.3	40.0	-11.8	30.0
Di-n-octyl phthalate	Qua	1.433	1.200	0.0500	32.8	40.0	-17.9	20.0
Benzo[b]fluoranthene	Ave	1.303	1.252	0.0500	38.4	40.0	-3.9	30.0
Benzo[k]fluoranthene	Ave	1.335	1.299	0.0500	38.9	40.0	-2.7	30.0
Benzo[a]pyrene	Ave	0.9846	0.9738	0.0500	39.6	40.0	-1.1	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.4743	0.5085	0.0500	42.9	40.0	7.2	30.0
Dibenz(a,h)anthracene	Ave	0.4502	0.5137	0.0500	45.6	40.0	14.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Lab Sample ID: CCVIS 220-53500/1 Calibration Date: 08/01/2011 09:13

Instrument ID: MSZ Calib Start Date: 07/28/2011 13:54

GC Column: RXi-5MS ID: 0.25(mm) Calib End Date: 07/28/2011 16:46

Lab File ID: Z21913.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Ave	0.4399	0.4772	0.0500	43.4	40.0	8.5	30.0
2-Fluorophenol	Ave	1.134	1.108	0.0500	39.1	40.0	-2.3	30.0
Phenol-d5	Ave	1.631	1.584	0.0500	38.9	40.0	-2.9	30.0
Nitrobenzene-d5	Ave	0.3549	0.3528	0.0500	39.8	40.0	-0.6	30.0
2-Fluorobiphenyl	Ave	1.189	1.157	0.0500	38.9	40.0	-2.7	30.0
2,4,6-Tribromophenol	Ave	0.1729	0.1750	0.0500	40.5	40.0	1.2	30.0
Terphenyl-d14	Ave	0.8815	0.8789	0.0500	39.9	40.0	-0.3	30.0

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Z21913.D
Lab Smp Id: CCVIS-641574 Client Smp ID: CCVIS-641574
Inj Date : 01-AUG-2011 09:13
Operator : S.Jonas Inst ID: msz.i
Smp Info : CCVIS-641574
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 09:34 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 13:54 Cal File: Z21887.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
* 1	1,4-Dichlorobenzene-d4	152	4.759	4.759	(1.000)	260092	20.0000	
$ 2	2-Fluorophenol	112	3.311	3.311	(0.696)	576483	40.0000	39
$ 3	Phenol-d5	99	4.445	4.445	(0.934)	823994	40.0000	39
4	Pyridine	52	1.533	1.533	(0.322)	147708	40.0000	39
5	N-Nitrosodimethylamine	42	1.523	1.523	(0.320)	115346	40.0000	39
6	Cyclohexanone	42	3.528	3.528	(0.741)	270903	40.0000	43
128	Benzaldehyde	77	4.274	4.274	(0.898)	178537	40.0000	20
7	Phenol	94	4.461	4.461	(0.937)	885142	40.0000	39
8	Aniline	93	4.417	4.417	(0.928)	968424	40.0000	39
9	bis(2-Chloroethyl)ether	63	4.517	4.517	(0.949)	533088	40.0000	39
10	2-Chlorophenol	128	4.541	4.541	(0.954)	734935	40.0000	38
11	1,3-Dichlorobenzene	146	4.697	4.697	(0.987)	814753	40.0000	38
12	1,4-Dichlorobenzene	146	4.778	4.778	(1.004)	828660	40.0000	38
13	Benzyl alcohol	108	4.949	4.949	(1.040)	462618	40.0000	39
14	1,2-Dichlorobenzene	146	4.939	4.939	(1.038)	760347	40.0000	37
15	2,2'-oxybis(1-Chloropropane)	45	5.098	5.098	(1.071)	927268	40.0000	39
16	2-Methylphenol	108	5.101	5.101	(1.072)	647966	40.0000	37
92	Acetophenone	105	5.219	5.219	(1.097)	1012150	40.0000	38
17	Hexachloroethane	117	5.300	5.300	(1.114)	352773	40.0000	39
18	N-Nitroso-di-n-propylamine	70	5.244	5.244	(1.102)	571134	40.0000	40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	19 4-Methylphenol	108	5.266	5.266	(1.106)	728898	40.0000	39
*	20 Naphthalene-d8	136	6.123	6.123	(1.000)	1179886	20.0000	
$	21 Nitrobenzene-d5	82	5.368	5.368	(0.877)	832572	40.0000	40
	22 Nitrobenzene	77	5.390	5.390	(0.880)	848538	40.0000	40
	23 Isophorone	82	5.657	5.657	(0.924)	1565948	40.0000	39
	24 2-Nitrophenol	139	5.729	5.729	(0.936)	459322	40.0000	40
	25 2,4-Dimethylphenol	122	5.822	5.822	(0.951)	681583	40.0000	40
	26 Benzoic Acid	122	6.012	6.012	(0.982)	415233	40.0000	38(M)
	27 Bis(2-Chloroethoxy)methane	93	5.912	5.912	(0.965)	957938	40.0000	38
	28 2,4-Dichlorophenol	162	5.999	5.999	(0.980)	636184	40.0000	39
	29 1,2,4-Trichlorobenzene	180	6.074	6.074	(0.992)	695950	40.0000	38
	30 Naphthalene	128	6.145	6.145	(1.004)	2281337	40.0000	38
	31 4-Chloroaniline	127	6.226	6.226	(1.017)	907210	40.0000	38
	32 Hexachlorobutadiene	225	6.304	6.304	(1.029)	377887	40.0000	38
	129 Caprolactam	113	6.636	6.636	(1.084)	216804	40.0000	39(M)
	33 4-Chloro-3-methylphenol	107	6.779	6.779	(1.107)	721423	40.0000	40
	34 2-Methylnaphthalene	142	6.888	6.888	(1.125)	1552500	40.0000	38
*	35 Acenaphthene-d10	164	7.982	7.982	(1.000)	694869	20.0000	
	36 2,4,5-Trichlorotoluene	159	6.851	6.851	(1.439)	630851	40.0000	38
	37 Hexachlorocyclopentadiene	237	7.065	7.065	(0.885)	444228	40.0000	45
	38 2,4,6-Trichlorophenol	196	7.202	7.202	(0.902)	470080	40.0000	40
	39 2,4,5-Trichlorophenol	196	7.242	7.242	(0.907)	503031	40.0000	41
$	40 2-Fluorobiphenyl	172	7.289	7.289	(0.913)	1607711	40.0000	39
	130 1,1'-Biphenyl	154	7.388	7.388	(0.926)	1777862	40.0000	39
	41 2-Chloronaphthalene	162	7.398	7.398	(0.927)	1442745	40.0000	39
	42 2-Nitroaniline	65	7.522	7.522	(0.942)	486516	40.0000	42
	43 Acenaphthylene	152	7.830	7.830	(0.981)	2474996	40.0000	40
	44 Dimethylphthalate	163	7.737	7.737	(0.969)	1701265	40.0000	39
	45 2,6-Dinitrotoluene	165	7.789	7.789	(0.976)	414631	40.0000	40
	46 Acenaphthene	153	8.019	8.019	(1.005)	1524448	40.0000	39
	47 3-Nitroaniline	138	7.960	7.960	(0.997)	452580	40.0000	40
	48 2,4-Dinitrophenol	184	8.069	8.069	(1.011)	252761	40.0000	45
	49 Dibenzofuran	168	8.203	8.203	(1.028)	2100747	40.0000	39
	50 2,4-Dinitrotoluene	165	8.209	8.209	(1.028)	555067	40.0000	40
	51 4-Nitrophenol	109	8.175	8.175	(1.024)	240083	40.0000	40
	52 Fluorene	166	8.563	8.563	(1.073)	1746108	40.0000	40
	53 4-Chlorophenyl-phenylether	204	8.576	8.576	(1.074)	821092	40.0000	39
	54 Diethylphthalate	149	8.482	8.482	(1.063)	1768508	40.0000	39
	55 4-Nitroaniline	138	8.613	8.613	(1.079)	457347	40.0000	42
$	56 2,4,6-Tribromophenol	330	8.821	8.821	(1.105)	243196	40.0000	40
*	57 Phenanthrene-d10	188	9.549	9.549	(1.000)	1145231	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.644	8.644	(0.905)	334917	40.0000	40
	59 N-Nitrosodiphenylamine (1)	169	8.709	8.709	(0.912)	1277563	40.0000	39
	60 1,2-Diphenylhydrazine	77	8.744	8.744	(0.916)	2025731	40.0000	40
	61 4-Bromophenyl-phenylether	248	9.089	9.089	(0.952)	471890	40.0000	39
	131 Atrazine	200	9.294	9.294	(0.973)	439821	40.0000	42
	62 Hexachlorobenzene	284	9.151	9.151	(0.958)	495998	40.0000	39
	63 Pentachlorophenol	266	9.365	9.365	(0.981)	299510	40.0000	38
	64 Phenanthrene	178	9.577	9.577	(1.003)	2485732	40.0000	39
	65 Carbazole	167	9.810	9.810	(1.027)	2334060	40.0000	39
	66 Anthracene	178	9.629	9.629	(1.008)	2553651	40.0000	39
	67 Di-n-butylphthalate	149	10.201	10.201	(1.068)	2997324	40.0000	38
	68 Fluoranthene	202	10.829	10.829	(1.134)	2606733	40.0000	39
*	70 Chrysene-d12	240	12.405	12.405	(1.000)	1007229	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
71	Benzidine	184	10.975	10.975	(0.885)	441317	40.0000	44
72	Pyrene	202	11.065	11.065	(0.892)	2633284	40.0000	40
$ 73	Terphenyl-d14	244	11.242	11.242	(0.906)	1770578	40.0000	40
74	Butylbenzylphthalate	149	11.768	11.768	(0.949)	1141632	40.0000	37
124	3,3'-Dimethylbenzidine	212	11.743	11.743	(0.947)	420758	40.0000	38
75	3,3'-Dichlorobenzidine	252	12.374	12.374	(0.997)	635522	40.0000	38
76	Benzo(a)anthracene	228	12.389	12.389	(0.999)	2196508	40.0000	39
77	Chrysene	228	12.442	12.442	(1.003)	2091611	40.0000	39
78	Bis(2-Ethylhexyl)phthalate	149	12.452	12.452	(1.004)	1342975	40.0000	35
* 79	Perylene-d12	264	14.528	14.528	(1.000)	644783	20.0000	
80	Di-n-octylphthalate	149	13.347	13.347	(0.919)	1547468	40.0000	33
81	Benzo(b)fluoranthene	252	13.906	13.906	(0.957)	1615168	40.0000	38
82	Benzo(k)fluoranthene	252	13.953	13.953	(0.960)	1675576	40.0000	39
83	Benzo(a)pyrene	252	14.435	14.435	(0.994)	1255754	40.0000	40
84	Indeno(1,2,3-cd)pyrene	276	16.492	16.492	(1.135)	655750	40.0000	43
85	Dibenzo(a,h)anthracene	278	16.545	16.545	(1.139)	662404	40.0000	46
86	Benzo(g,h,i)perylene	276	17.011	17.011	(1.171)	615365	40.0000	43
167	Simazine	201	9.266	9.266	(0.970)	276350	40.0000	40
103	1,2,4,5-Tetrachlorobenzene	216	7.068	7.068	(0.886)	317463	40.0000	41
109	2,3,4,6-Tetrachlorophenol	232	8.346	8.346	(1.046)	376653	40.0000	38
119	Pentachloronitrobenzene	237	9.381	9.381	(0.982)	196274	40.0000	39

QC Flag Legend

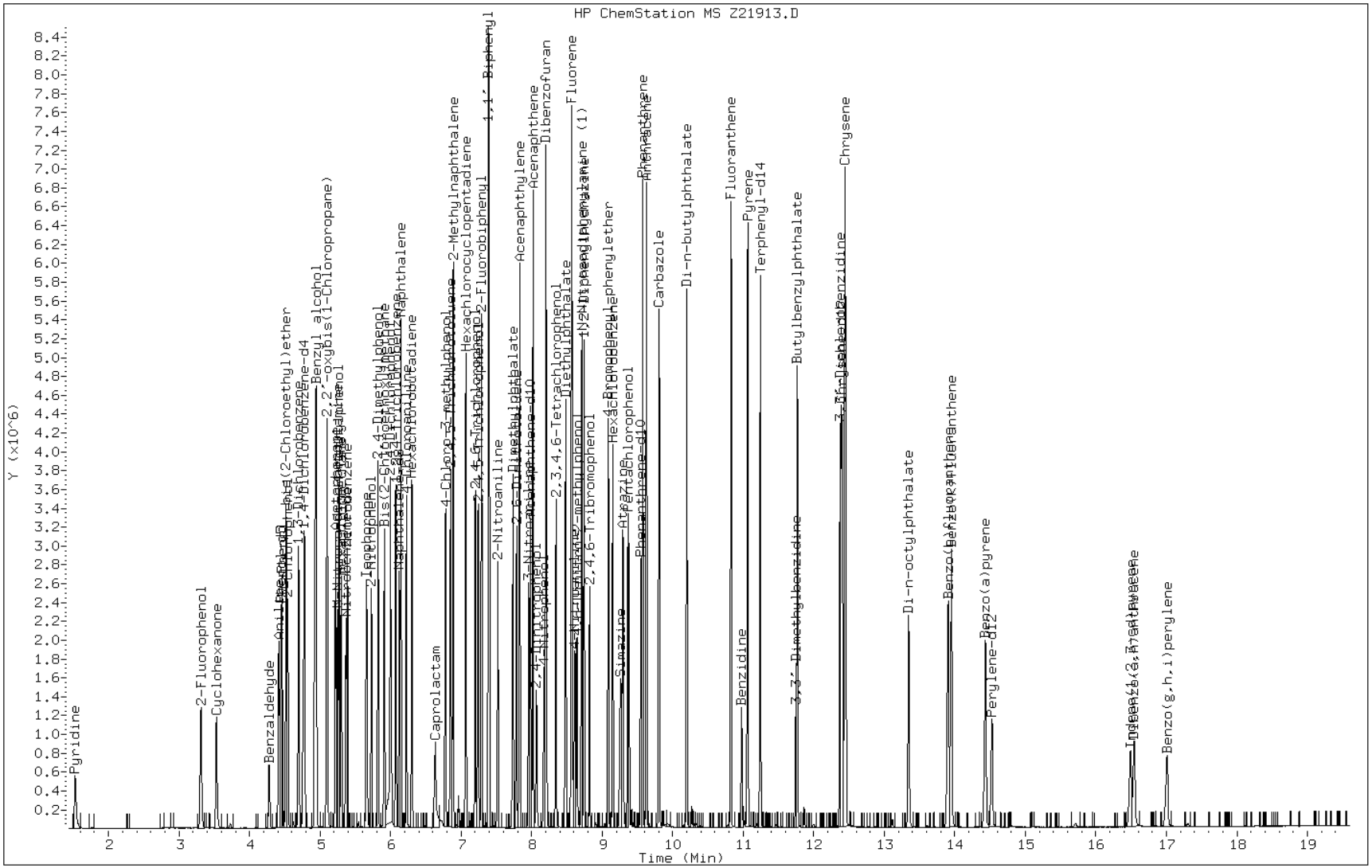
M - Compound response manually integrated.

Data File: Z21913.D

Date: 01-AUG-2011 09:13

Client ID: CCVIS-641574 Instrument: msz.i

Sample Info: CCVIS-641574 Operator: S.Jonas



Manual Integration Report

Data File: Z21913.D
Inj. Date and Time: 01-AUG-2011 09:13
Instrument ID: msz.i
Client ID: CCVIS-641574
Compound: 129 Caprolactam
CAS #: 105-60-2
Report Date: 08/01/2011

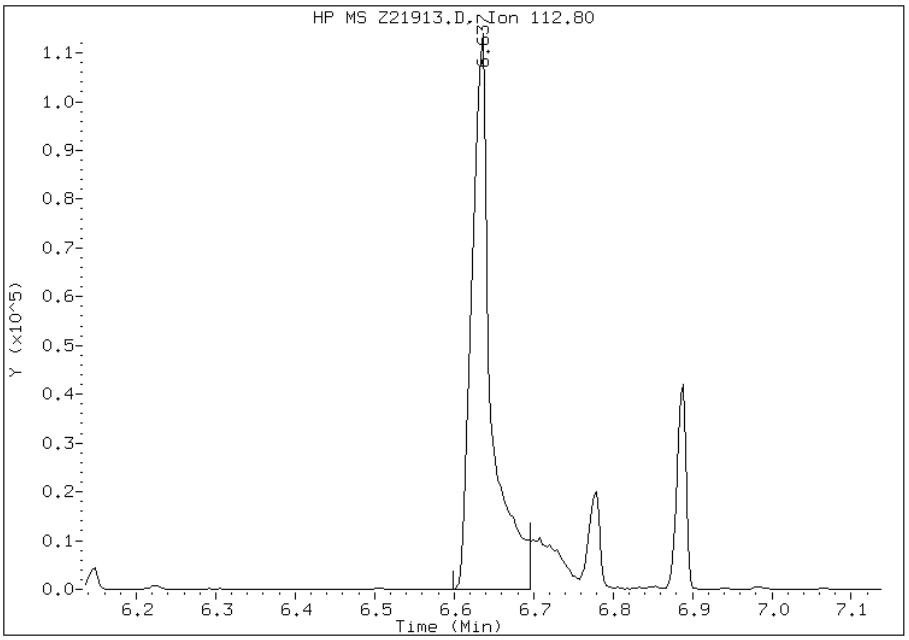
Processing Integration Results

RT: 6.64

Response: 200362

Amount: 36

Conc: 36



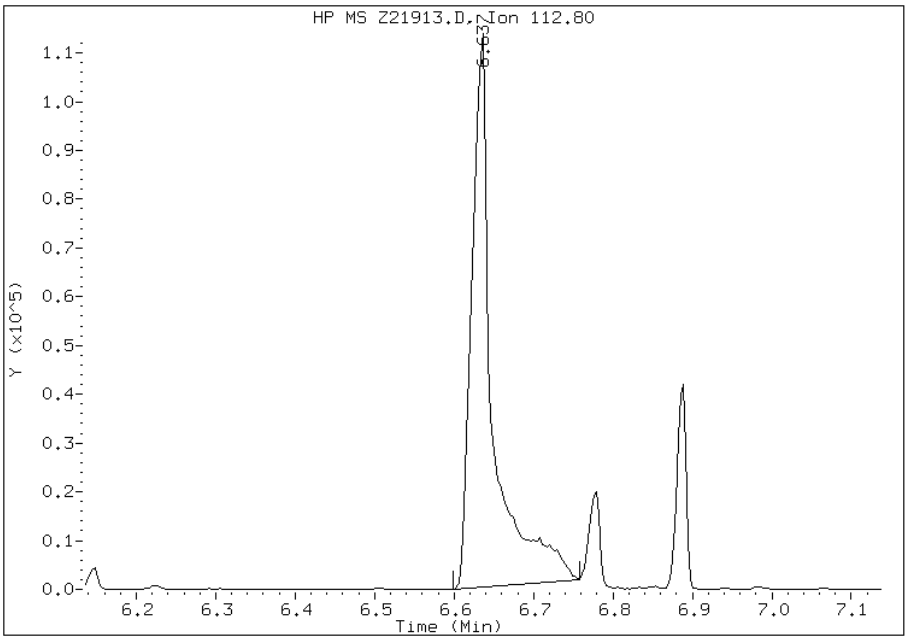
Manual Integration Results

RT: 6.64

Response: 216804

Amount: 39

Conc: 39



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

Manual Integration Report

Data File: Z21913.D
Inj. Date and Time: 01-AUG-2011 09:13
Instrument ID: msz.i
Client ID: CCVIS-641574
Compound: 26 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/01/2011

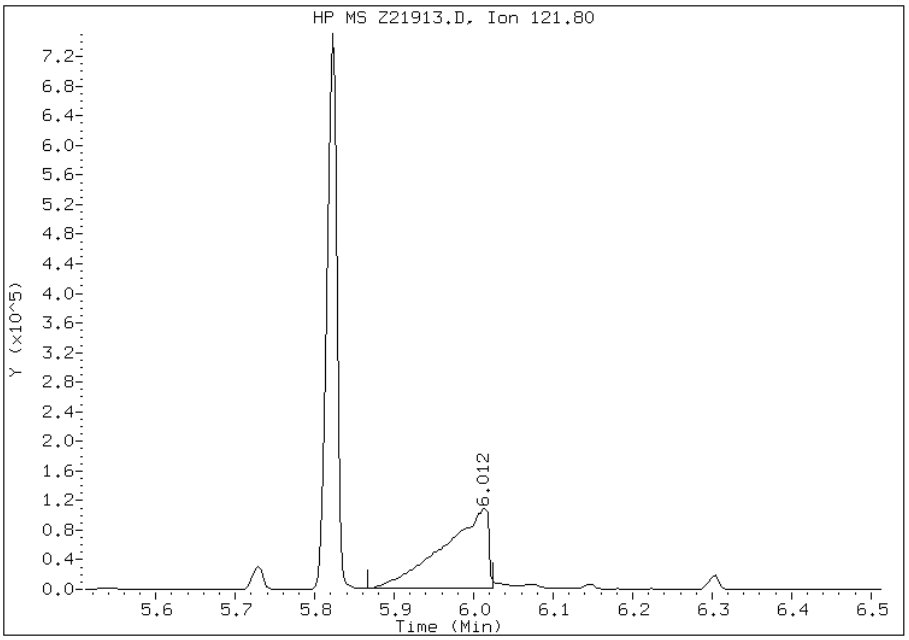
Processing Integration Results

RT: 6.01

Response: 424505

Amount: 39

Conc: 39



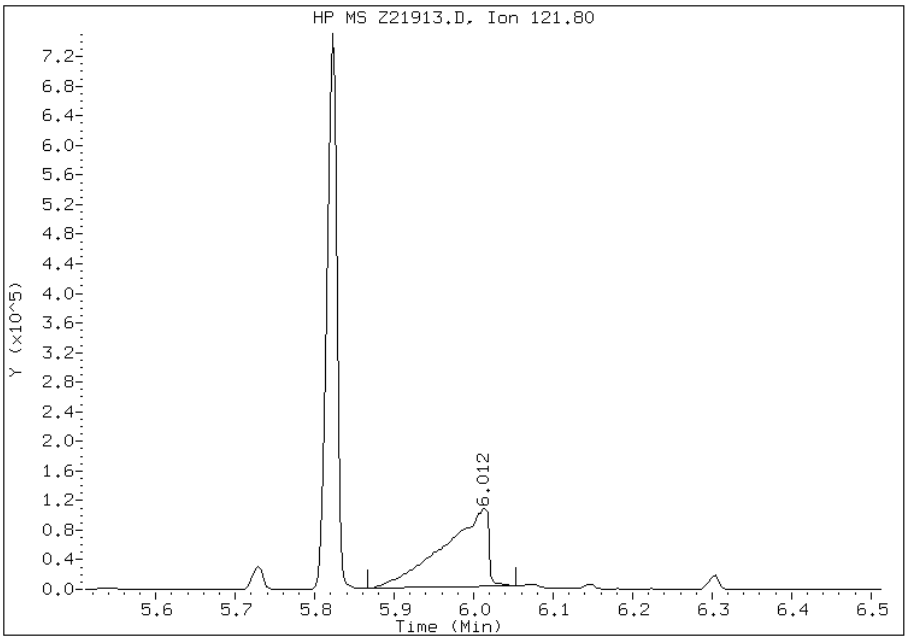
Manual Integration Results

RT: 6.01

Response: 415233

Amount: 38

Conc: 38



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak integration

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\Cs24642.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 04-AUG-2011 08:08
Operator : S.Jonas Inst ID: msc.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\mscdftppSW.m
Meth Date : 18-Aug-2010 11:46 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.320	4.575	-0.255	198	296640			0.00- 100.00	100.00
4.320	9.361	-5.041	51	143424			30.00- 60.00	48.35
4.320	9.361	-5.041	68	2645			0.00- 2.00	1.99
4.320	9.361	-5.041	69	133248			0.00- 100.00	44.92
4.320	9.361	-5.041	70	796			0.00- 2.00	0.60
4.320	9.361	-5.041	127	145792			40.00- 60.00	49.15
4.320	9.361	-5.041	197	0	0.0	0.0	0.00- 1.00	0.00
4.320	9.361	-5.041	199	20112			5.00- 9.00	6.78
4.320	9.361	-5.041	275	66496			10.00- 30.00	22.42
4.320	9.361	-5.041	365	6971			1.00- 100.00	2.35
4.320	9.361	-5.041	441	33264			0.01- 99.99	79.12
4.320	9.361	-5.041	442	213312			40.00- 100.00	71.91
4.320	9.361	-5.041	443	42040			17.00- 23.00	19.71

Data File: Cs24642.D

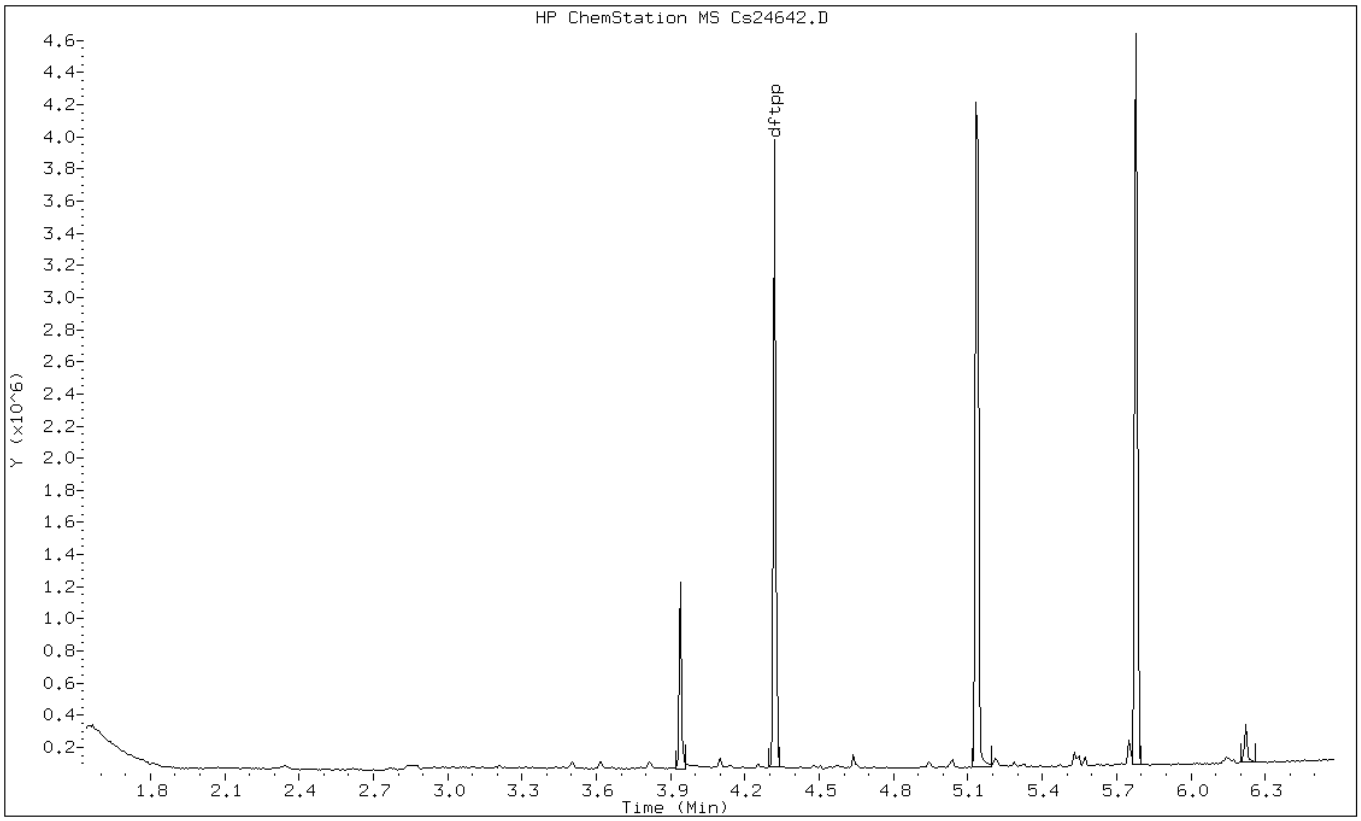
Date: 04-AUG-2011 08:08

Client ID: DFTPP

Instrument: msc.i

Sample Info: DFTPP

Operator: S.Jonas



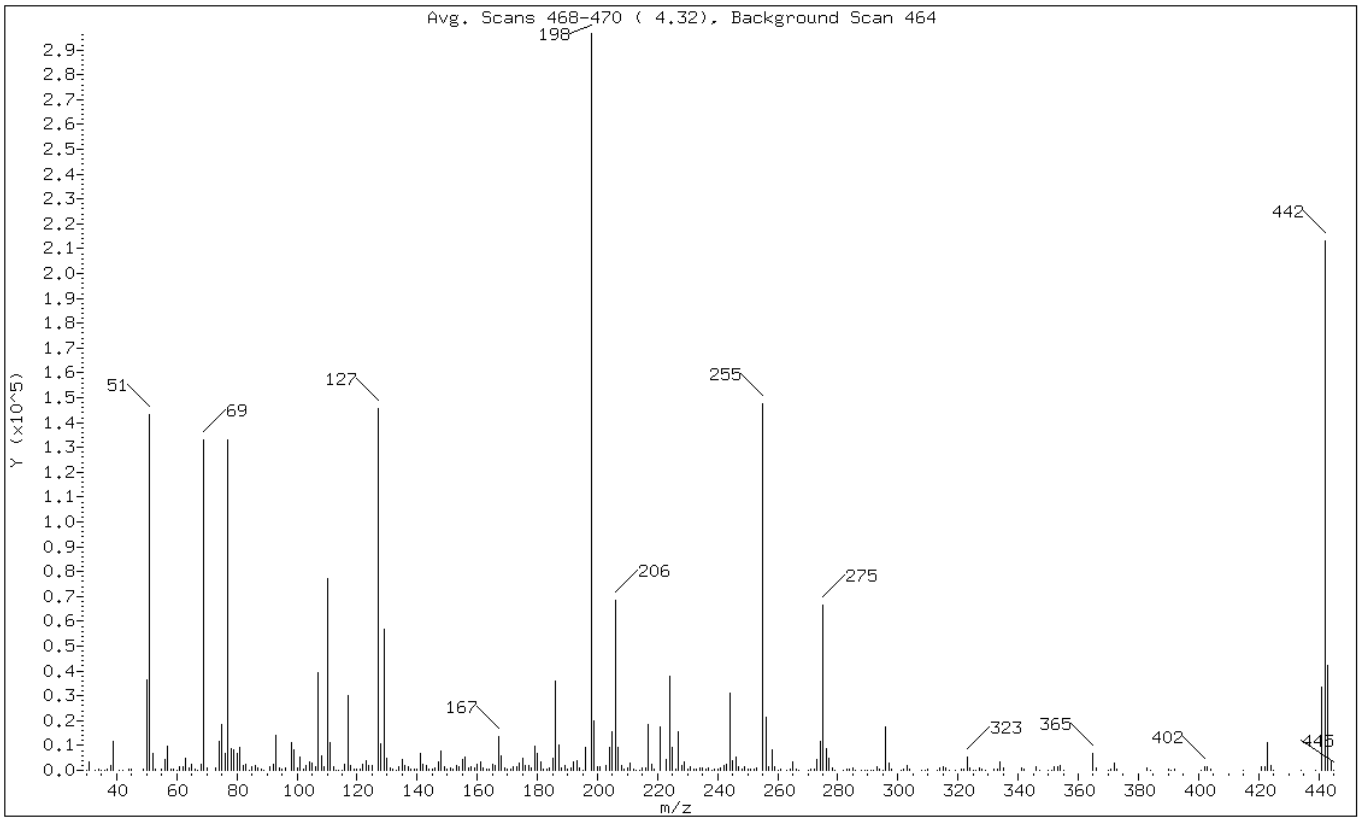
Data File: Cs24642.D

Date: 04-AUG-2011 08:08

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	48.35
68	Less than 2.00% of mass 69	0.89 (1.99)
69	Less than 100.00% of mass 198	44.92
70	Less than 2.00% of mass 69	0.27 (0.60)
127	40.00 - 60.00% of mass 198	49.15
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	22.42
365	1.00 - 100.00% of mass 198	2.35
441	Present, but less than mass 443	11.21
442	40.00 - 100.00% of mass 198	71.91
443	17.00 - 23.00% of mass 442	14.17 (19.71)

Data File: Cs24642.D

Date: 04-AUG-2011 08:08

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

Data File: \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\Cs24642.D
Spectrum: Avg. Scans 468-470 (4.32), Background Scan 464
Location of Maximum: 198.00
Number of points: 310

m/z	Y	m/z	Y	m/z	Y	m/z	Y
30.00	52	119.00	312	199.00	20112	286.00	129
31.00	3392	120.00	571	200.00	1353	288.00	86
33.00	82	121.00	299	201.00	1382	289.00	133
34.00	292	122.00	2530	203.00	1825	290.00	60
35.00	30	123.00	4115	204.00	9098	291.00	92
36.00	75	124.00	1762	205.00	15637	292.00	152
37.00	649	125.00	1848	206.00	68472	293.00	1350
38.00	1962	127.00	145792	207.00	9430	294.00	367
39.00	11472	128.00	10613	208.00	2011	295.00	88
41.00	234	129.00	57000	209.00	688	296.00	17440
42.00	135	130.00	4734	210.00	1093	297.00	2750
44.00	401	131.00	943	211.00	2829	298.00	252
45.00	258	132.00	245	212.00	388	301.00	228
49.00	589	133.00	232	213.00	152	302.00	362
50.00	36448	134.00	1446	214.00	118	303.00	1894
51.00	143424	135.00	4549	215.00	905	304.00	467
52.00	6869	136.00	1707	216.00	757	308.00	228
53.00	568	137.00	1677	217.00	18520	309.00	81
55.00	342	138.00	594	218.00	2466	310.00	317
56.00	4500	139.00	347	219.00	494	313.00	75
57.00	9615	140.00	608	221.00	17288	314.00	1096
58.00	489	141.00	6936	223.00	4314	315.00	1654
59.00	304	142.00	2289	224.00	37768	316.00	1198
60.00	175	143.00	1937	225.00	9379	317.00	115
61.00	1475	144.00	411	226.00	249	319.00	62
62.00	1613	145.00	420	227.00	15322	321.00	500
63.00	4725	146.00	1062	228.00	1949	322.00	307
64.00	749	147.00	3277	229.00	3527	323.00	5509
65.00	2565	148.00	7717	230.00	390	324.00	1200
66.00	264	149.00	1572	231.00	1594	325.00	236
67.00	209	150.00	628	232.00	284	326.00	138
68.00	2645	151.00	971	233.00	254	327.00	1207
69.00	133248	152.00	400	234.00	1058	328.00	597
70.00	796	153.00	2019	235.00	1118	329.00	65
73.00	978	154.00	1489	236.00	725	332.00	291
74.00	11612	155.00	4235	237.00	1030	333.00	545
75.00	18336	156.00	5495	238.00	154	334.00	3593
76.00	6613	157.00	1127	239.00	615	335.00	833
77.00	133184	158.00	1229	240.00	488	341.00	752
78.00	8889	159.00	1050	241.00	911	342.00	332

79.00	8340	160.00	2192	242.00	1868	346.00	1270
80.00	6595	161.00	3349	243.00	2324	347.00	241
81.00	8991	162.00	908	244.00	31288	350.00	56
82.00	2039	163.00	597	245.00	4021	351.00	88
83.00	2294	164.00	368	246.00	5269	352.00	1520
84.00	192	165.00	2482	247.00	1337	353.00	1295
85.00	1472	166.00	2126	248.00	339	354.00	1817
86.00	2114	167.00	13573	249.00	1252	355.00	204
87.00	755	168.00	5965	250.00	315	365.00	6971
88.00	594	169.00	930	251.00	276	366.00	1157
89.00	196	170.00	622	252.00	362	370.00	76
91.00	1554	171.00	345	253.00	918	371.00	381
92.00	2616	172.00	1241	255.00	147456	372.00	3061
93.00	14276	173.00	1474	256.00	21208	373.00	727
94.00	957	174.00	2733	257.00	1502	383.00	843
95.00	644	175.00	5056	258.00	8067	384.00	153
96.00	948	176.00	1884	259.00	1317	390.00	393
98.00	11122	177.00	2087	260.00	91	391.00	166
99.00	8417	178.00	888	261.00	304	392.00	372
100.00	934	179.00	9824	263.00	55	401.00	235
101.00	5438	180.00	6707	264.00	429	402.00	1406
102.00	325	181.00	3327	265.00	3221	403.00	1269
103.00	1771	182.00	567	266.00	573	404.00	562
104.00	3175	183.00	435	267.00	67	415.00	53
105.00	2891	184.00	963	270.00	207	421.00	1341
106.00	1260	185.00	4939	271.00	301	422.00	1365
107.00	39416	186.00	35688	272.00	311	423.00	11299
108.00	5969	187.00	10061	273.00	4397	424.00	2003
109.00	1422	188.00	1078	274.00	11550	425.00	171
110.00	77120	189.00	1897	275.00	66496	434.00	54
111.00	11269	190.00	255	276.00	8923	439.00	136
112.00	1510	191.00	824	277.00	4807	441.00	33264
113.00	236	192.00	3163	278.00	1042	442.00	213312
114.00	80	193.00	3830	279.00	136	443.00	42040
115.00	120	194.00	745	282.00	84	444.00	3266
116.00	2562	195.00	177	283.00	657	445.00	137
117.00	30168	196.00	9024	284.00	367		
118.00	2092	198.00	296640	285.00	812		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\Cs24669.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 05-AUG-2011 09:05
Operator : S.Jonas Inst ID: msc.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\mscdftppSW.m
Meth Date : 18-Aug-2010 11:46 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.302	4.575	-0.273	198	406528			0.00- 100.00	100.00
4.302	9.361	-5.059	51	201216			30.00- 60.00	49.50
4.302	9.361	-5.059	68	3115			0.00- 2.00	1.62
4.302	9.361	-5.059	69	192320			0.00- 100.00	47.31
4.302	9.361	-5.059	70	869			0.00- 2.00	0.45
4.302	9.361	-5.059	127	204736			40.00- 60.00	50.36
4.302	9.361	-5.059	197	0	0.0	0.0	0.00- 1.00	0.00
4.302	9.361	-5.059	199	26432			5.00- 9.00	6.50
4.302	9.361	-5.059	275	89664			10.00- 30.00	22.06
4.302	9.361	-5.059	365	9690			1.00- 100.00	2.38
4.302	9.361	-5.059	441	44856			0.01- 99.99	83.55
4.302	9.361	-5.059	442	287104			40.00- 100.00	70.62
4.302	9.361	-5.059	443	53688			17.00- 23.00	18.70

Data File: Cs24669.D

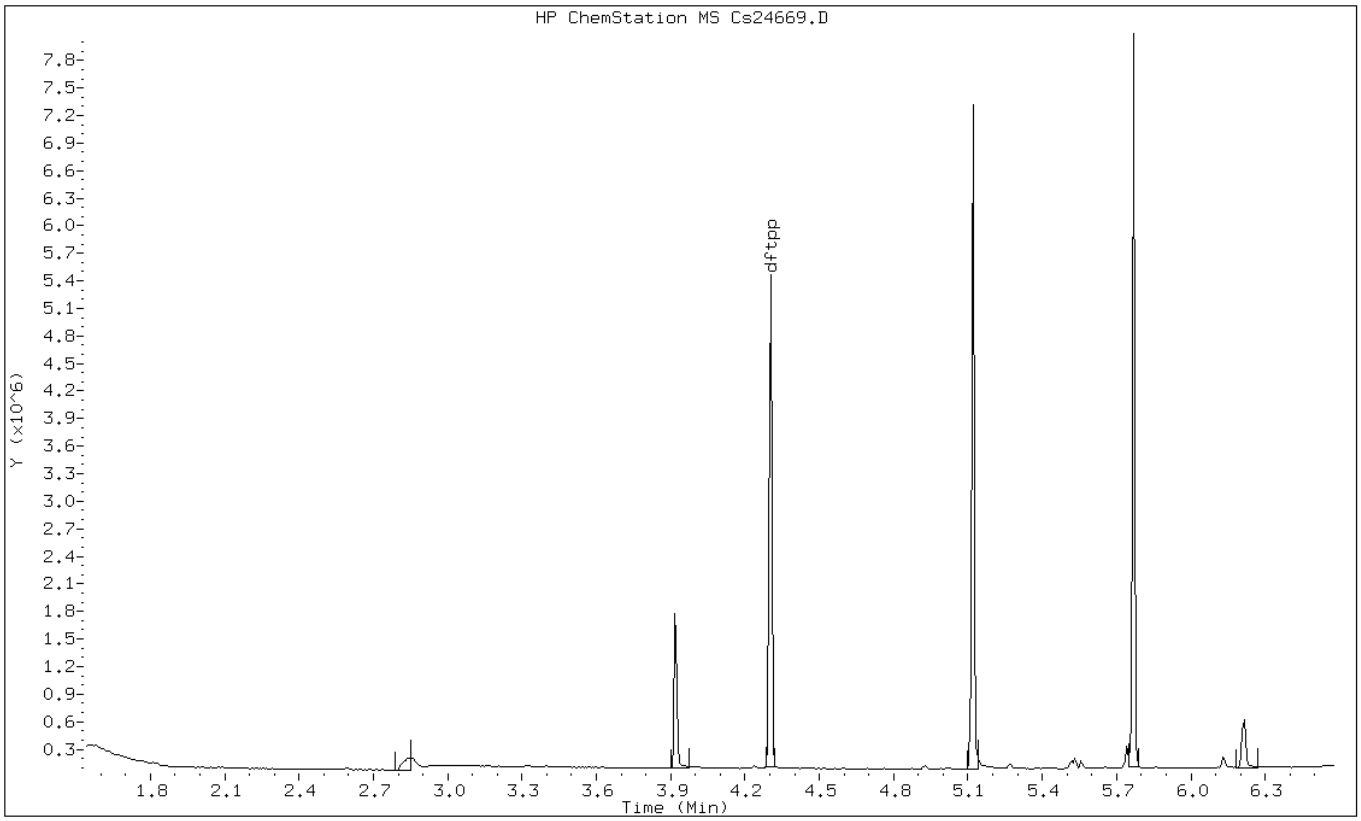
Date: 05-AUG-2011 09:05

Client ID: DFTPP

Instrument: msc.i

Sample Info: DFTPP

Operator: S.Jonas



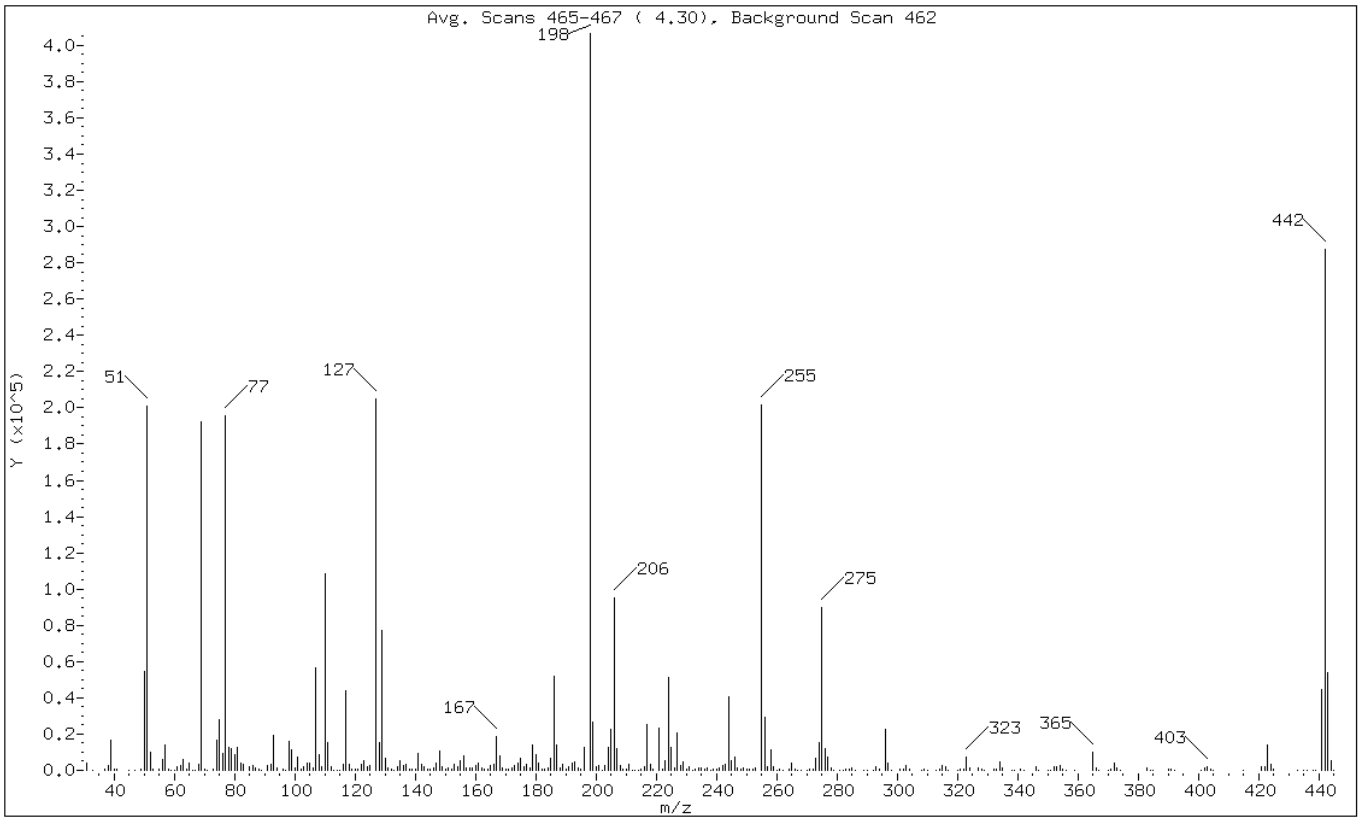
Data File: Cs24669.D

Date: 05-AUG-2011 09:05

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

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	49.50
68	Less than 2.00% of mass 69	0.77 (1.62)
69	Less than 100.00% of mass 198	47.31
70	Less than 2.00% of mass 69	0.21 (0.45)
127	40.00 - 60.00% of mass 198	50.36
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.50
275	10.00 - 30.00% of mass 198	22.06
365	1.00 - 100.00% of mass 198	2.38
441	Present, but less than mass 443	11.03
442	40.00 - 100.00% of mass 198	70.62
443	17.00 - 23.00% of mass 442	13.21 (18.70)

Data File: Cs24669.D

Date: 05-AUG-2011 09:05

Client ID: DFTPP Instrument: msc.i

Sample Info: DFTPP Operator: S.Jonas

Data File: \\Consvr05\Files\Chem\BNA\msc.i\C1124669.b\Cs24669.D
Spectrum: Avg. Scans 465-467 (4.30), Background Scan 462
Location of Maximum: 198.00
Number of points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	4182	125.00	2530	207.00	11879	296.00	22816
33.00	52	127.00	204736	208.00	2917	297.00	3700
37.00	653	128.00	15151	209.00	947	298.00	144
38.00	2803	129.00	77496	210.00	776	301.00	336
39.00	16504	130.00	6484	211.00	3433	302.00	488
40.00	621	131.00	1202	212.00	214	303.00	2909
41.00	739	132.00	598	213.00	256	304.00	486
45.00	133	133.00	255	214.00	152	308.00	295
47.00	149	134.00	1897	215.00	821	309.00	355
49.00	549	135.00	5272	216.00	2267	310.00	293
50.00	54416	136.00	2545	217.00	25072	313.00	224
51.00	201216	137.00	3187	218.00	3083	314.00	934
52.00	9709	138.00	675	219.00	361	315.00	2684
53.00	468	139.00	444	221.00	23544	316.00	1690
55.00	988	140.00	811	222.00	671	317.00	249
56.00	5686	141.00	9469	223.00	5539	320.00	129
57.00	13874	142.00	3432	224.00	51136	321.00	698
58.00	716	143.00	1922	225.00	12430	322.00	459
59.00	290	144.00	489	226.00	1213	323.00	7412
60.00	169	145.00	541	227.00	20696	324.00	1322
61.00	2277	146.00	1540	228.00	2881	327.00	1366
62.00	2405	147.00	4324	229.00	4335	328.00	858
63.00	6273	148.00	10467	230.00	662	329.00	61
64.00	960	149.00	1960	231.00	1791	332.00	689
65.00	3833	150.00	810	232.00	271	333.00	791
66.00	163	151.00	1406	233.00	482	334.00	4493
67.00	81	152.00	796	234.00	1450	335.00	1136
68.00	3115	153.00	3084	235.00	1592	338.00	52
69.00	192320	154.00	2292	236.00	943	339.00	73
70.00	869	155.00	5420	237.00	1358	341.00	969
71.00	75	156.00	7972	238.00	291	342.00	213
73.00	502	157.00	1622	239.00	998	346.00	1743
74.00	16440	158.00	1501	240.00	499	347.00	249
75.00	27664	159.00	1244	241.00	1134	350.00	104
76.00	9309	160.00	2819	242.00	2949	351.00	88
77.00	195584	161.00	4222	243.00	3086	352.00	1950
78.00	12921	162.00	1386	244.00	40304	353.00	1807
79.00	11670	163.00	447	245.00	5537	354.00	2370
80.00	8722	164.00	719	246.00	7215	355.00	431
81.00	12544	165.00	2806	247.00	1538	356.00	57

82.00	3696	166.00	3138	248.00	531	359.00	195
83.00	3463	167.00	18944	249.00	1447	365.00	9690
85.00	1797	168.00	7827	250.00	376	366.00	1588
86.00	2842	169.00	1659	251.00	386	367.00	102
87.00	1493	170.00	695	252.00	564	370.00	193
88.00	751	171.00	744	253.00	1192	371.00	579
89.00	15	172.00	1464	255.00	201408	372.00	4005
91.00	2596	173.00	2354	256.00	29280	373.00	1069
92.00	3246	174.00	3990	257.00	2307	374.00	101
93.00	19208	175.00	6801	258.00	11529	383.00	1113
94.00	1445	176.00	2292	259.00	1900	384.00	280
96.00	600	177.00	3629	260.00	323	385.00	151
97.00	265	178.00	1156	261.00	380	390.00	619
98.00	15671	179.00	13919	262.00	90	391.00	400
99.00	11575	180.00	8724	264.00	486	392.00	230
100.00	1034	181.00	4059	265.00	4284	401.00	242
101.00	7289	182.00	742	266.00	877	402.00	1431
102.00	472	183.00	546	267.00	177	403.00	2301
103.00	2321	184.00	1152	268.00	83	404.00	626
104.00	4194	185.00	6581	270.00	70	405.00	91
105.00	4159	186.00	51736	271.00	473	415.00	87
106.00	1165	187.00	14233	272.00	703	421.00	2014
107.00	56736	188.00	1426	273.00	6392	422.00	1667
108.00	8578	189.00	3031	274.00	15462	423.00	13862
109.00	2126	190.00	609	275.00	89664	424.00	3092
110.00	108392	191.00	1679	276.00	11921	425.00	458
111.00	15332	192.00	4298	277.00	7141	433.00	56
112.00	1996	193.00	4354	278.00	1137	435.00	130
113.00	323	194.00	1020	279.00	167	436.00	59
114.00	192	195.00	789	281.00	150	438.00	252
115.00	68	196.00	12848	282.00	78	439.00	122
116.00	3195	198.00	406528	283.00	875	441.00	44856
117.00	43624	199.00	26432	284.00	657	442.00	287104
118.00	3253	200.00	1925	285.00	1211	443.00	53688
119.00	635	201.00	2409	286.00	270	444.00	5078
120.00	842	202.00	150	289.00	234	445.00	275
121.00	430	203.00	2583	290.00	185		
122.00	3325	204.00	12614	292.00	296		
123.00	5559	205.00	22728	293.00	1811		
124.00	2192	206.00	95248	294.00	413		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Zs21886.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 28-JUL-2011 13:34
Operator : smith Inst ID: msz.i
Smp Info : DFTPP;pressure dropped
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\mszdftppSW.m
Meth Date : 11-May-2011 10:33 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

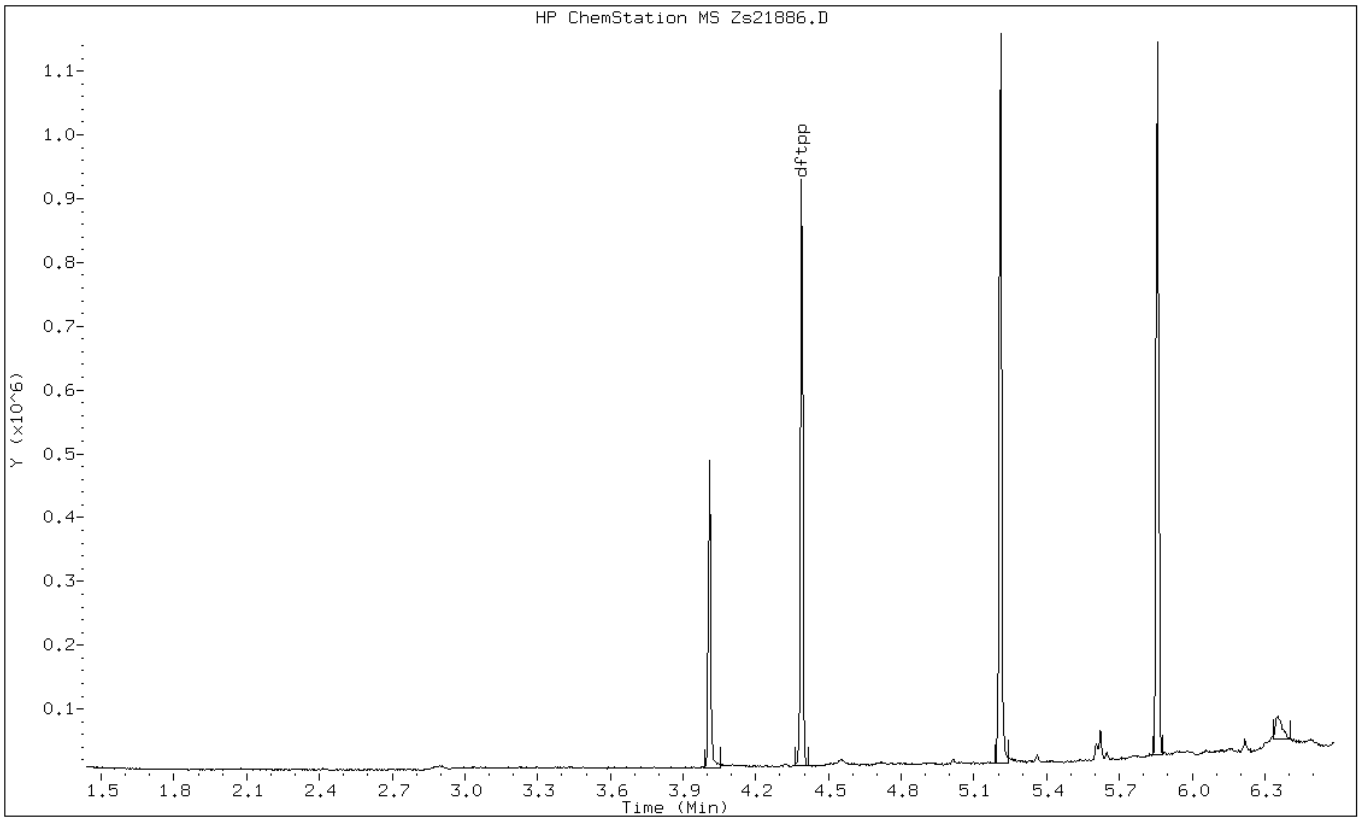
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.389	4.179	0.210	198	86128			0.00- 100.00	100.00
4.389	4.179	0.210	51	37872			30.00- 60.00	43.97
4.389	4.179	0.210	68	638			0.00- 2.00	1.57
4.389	4.179	0.210	69	40752			0.00- 100.00	47.32
4.389	4.179	0.210	70	240			0.00- 2.00	0.59
4.389	4.179	0.210	127	48552			40.00- 60.00	56.37
4.389	4.179	0.210	197	59			0.00- 1.00	0.07
4.389	4.179	0.210	199	6386			5.00- 9.00	7.41
4.389	4.179	0.210	275	20216			10.00- 30.00	23.47
4.389	4.179	0.210	365	2588			1.00- 100.00	3.00
4.389	4.179	0.210	441	9665			0.01- 99.99	77.85
4.389	4.179	0.210	442	65224			40.00- 100.00	75.73
4.389	4.179	0.210	443	12415			17.00- 23.00	19.03

Data File: Zs21886.D

Date: 28-JUL-2011 13:34

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP;pressure dropped Operator: smith



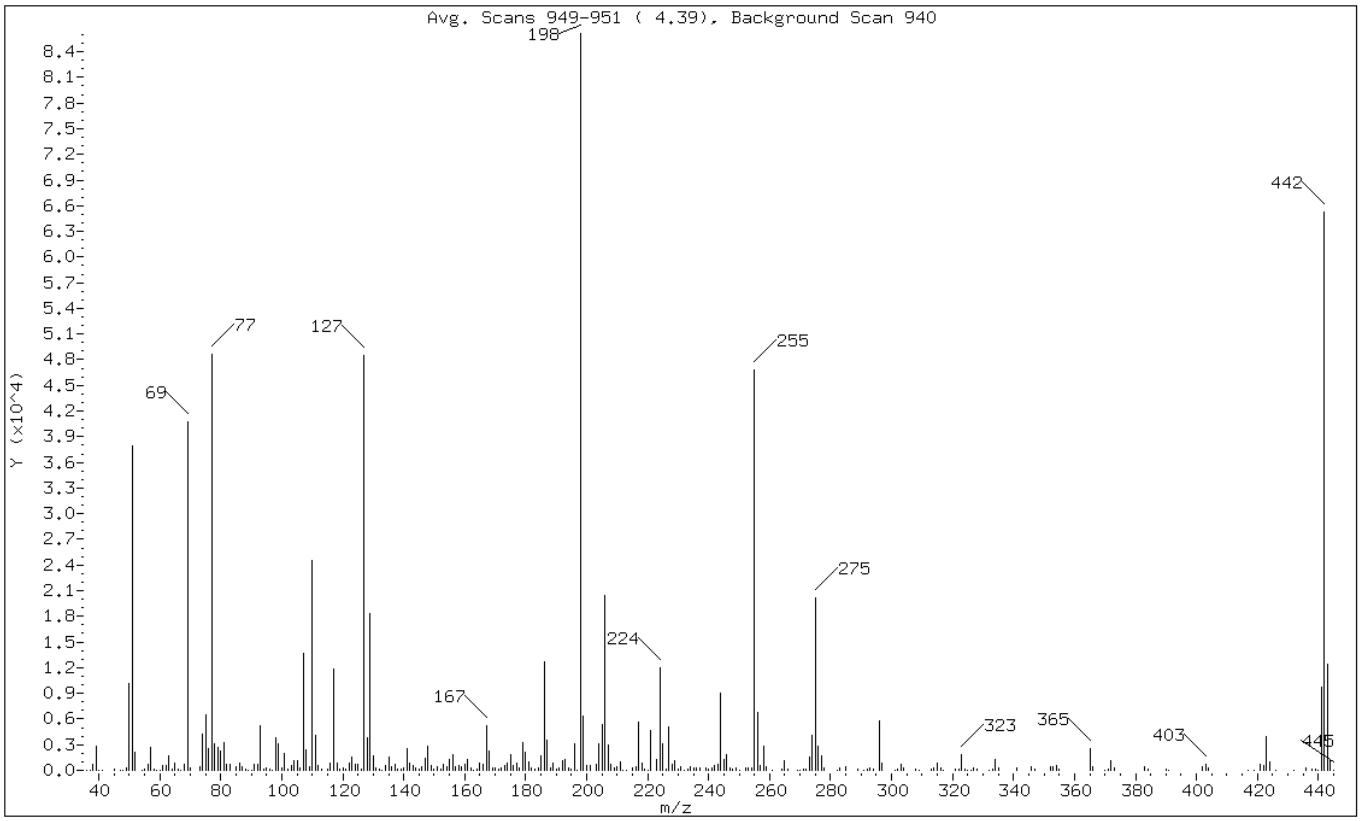
Data File: Zs21886.D

Date: 28-JUL-2011 13:34

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP;pressure dropped Operator: smith

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.97
68	Less than 2.00% of mass 69	0.74 (1.57)
69	Less than 100.00% of mass 198	47.32
70	Less than 2.00% of mass 69	0.28 (0.59)
127	40.00 - 60.00% of mass 198	56.37
197	Less than 1.00% of mass 198	0.07
199	5.00 - 9.00% of mass 198	7.41
275	10.00 - 30.00% of mass 198	23.47
365	1.00 - 100.00% of mass 198	3.00
441	Present, but less than mass 443	11.22
442	40.00 - 100.00% of mass 198	75.73
443	17.00 - 23.00% of mass 442	14.41 (19.03)

Data File: Zs21886.D

Date: 28-JUL-2011 13:34

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP;pressure dropped Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msz.i\Z1121884.b\Zs21886.D
Spectrum: Avg. Scans 949-951 (4.39), Background Scan 940
Location of Maximum: 198.00
Number of points: 294

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	47	119.00	152	193.00	1258	277.00	1741
37.00	54	120.00	219	194.00	277	278.00	240
38.00	685	121.00	168	195.00	80	282.00	36
39.00	2880	122.00	793	196.00	3091	283.00	238
40.00	49	123.00	1517	197.00	59	285.00	387
41.00	11	124.00	679	198.00	86128	289.00	82
45.00	185	125.00	708	199.00	6386	291.00	69
47.00	21	126.00	115	200.00	513	292.00	72
48.00	35	127.00	48552	201.00	560	293.00	331
49.00	235	128.00	3786	203.00	700	294.00	159
50.00	10203	129.00	18352	204.00	3092	296.00	5824
51.00	37872	130.00	1714	205.00	5313	297.00	835
52.00	2114	131.00	338	206.00	20496	301.00	42
54.00	43	132.00	135	207.00	2925	302.00	101
55.00	165	133.00	61	208.00	740	303.00	747
56.00	771	134.00	551	209.00	217	304.00	261
57.00	2695	135.00	1535	210.00	388	308.00	133
58.00	202	136.00	462	211.00	957	309.00	61
59.00	33	137.00	734	212.00	39	313.00	87
60.00	11	138.00	140	213.00	50	314.00	299
61.00	568	139.00	92	215.00	268	315.00	816
62.00	592	140.00	212	216.00	450	316.00	320
63.00	1649	141.00	2486	217.00	5699	317.00	36
64.00	203	142.00	908	218.00	799	321.00	147
65.00	864	143.00	565	219.00	77	322.00	84
66.00	129	144.00	238	220.00	53	323.00	1881
67.00	3	145.00	74	221.00	4619	324.00	208
68.00	638	146.00	493	223.00	1338	325.00	68
69.00	40752	147.00	1354	224.00	11929	326.00	35
70.00	240	148.00	2770	225.00	3090	327.00	334
73.00	421	149.00	562	226.00	191	328.00	149
74.00	4162	150.00	154	227.00	5071	332.00	38
75.00	6417	151.00	472	228.00	665	333.00	129
76.00	2511	152.00	91	229.00	1168	334.00	1264
77.00	48624	153.00	711	230.00	188	335.00	340
78.00	3151	154.00	447	231.00	401	341.00	223
79.00	2739	155.00	1307	232.00	36	346.00	379
80.00	2214	156.00	1857	233.00	100	347.00	80
81.00	3182	157.00	374	234.00	406	352.00	450
82.00	740	158.00	549	235.00	284	353.00	419

83.00	646	159.00	392	236.00	336	354.00	570
85.00	435	160.00	726	237.00	311	355.00	137
86.00	851	161.00	1322	239.00	260	365.00	2588
87.00	471	162.00	222	240.00	133	366.00	401
88.00	164	163.00	36	241.00	254	370.00	38
89.00	41	164.00	80	242.00	601	371.00	204
90.00	34	165.00	820	243.00	750	372.00	1124
91.00	769	166.00	738	244.00	9084	373.00	223
92.00	758	167.00	5277	245.00	1224	383.00	368
93.00	5245	168.00	2282	246.00	1805	384.00	114
94.00	161	169.00	302	247.00	348	390.00	129
95.00	257	170.00	261	248.00	90	391.00	38
96.00	114	171.00	118	249.00	345	402.00	465
97.00	9	172.00	348	250.00	38	403.00	701
98.00	3845	173.00	518	252.00	213	404.00	270
99.00	3073	174.00	799	253.00	330	417.00	42
100.00	297	175.00	1810	254.00	224	419.00	34
101.00	2001	176.00	544	255.00	46824	421.00	692
102.00	118	177.00	805	256.00	6822	422.00	545
103.00	555	178.00	328	257.00	630	423.00	3976
104.00	1060	179.00	3239	258.00	2771	424.00	990
105.00	1109	180.00	2168	259.00	424	426.00	36
106.00	260	181.00	1043	261.00	51	432.00	46
107.00	13694	182.00	297	264.00	177	436.00	245
108.00	2339	183.00	109	265.00	1152	438.00	204
109.00	382	184.00	243	266.00	199	439.00	146
110.00	24520	185.00	1719	269.00	33	440.00	36
111.00	4070	186.00	12707	270.00	61	441.00	9665
112.00	507	187.00	3575	271.00	106	442.00	65224
113.00	202	188.00	345	272.00	203	443.00	12415
115.00	110	189.00	793	273.00	1488	444.00	1107
116.00	839	190.00	110	274.00	4120	445.00	39
117.00	11851	191.00	351	275.00	20216		
118.00	865	192.00	1105	276.00	2828		

TestAmerica Inc

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Zs21912.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 01-AUG-2011 08:51
Operator : smith Inst ID: msz.i
Smp Info : DFTPP
Misc Info :
Comment   :
Method   : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\mszdftppSW.m
Meth Date : 11-May-2011 10:33 stephan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
4.374	4.179	0.195	198	102920			0.00- 100.00	100.00
4.374	4.179	0.195	51	46600			30.00- 60.00	45.28
4.374	4.179	0.195	68	829			0.00- 2.00	1.69
4.374	4.179	0.195	69	48920			0.00- 100.00	47.53
4.374	4.179	0.195	70	273			0.00- 2.00	0.56
4.374	4.179	0.195	127	56784			40.00- 60.00	55.17
4.374	4.179	0.195	197	392			0.00- 1.00	0.38
4.374	4.179	0.195	199	7259			5.00- 9.00	7.05
4.374	4.179	0.195	275	24592			10.00- 30.00	23.89
4.374	4.179	0.195	365	3650			1.00- 100.00	3.55
4.374	4.179	0.195	441	12396			0.01- 99.99	77.66
4.374	4.179	0.195	442	85832			40.00- 100.00	83.40
4.374	4.179	0.195	443	15962			17.00- 23.00	18.60

Data File: Zs21912.D

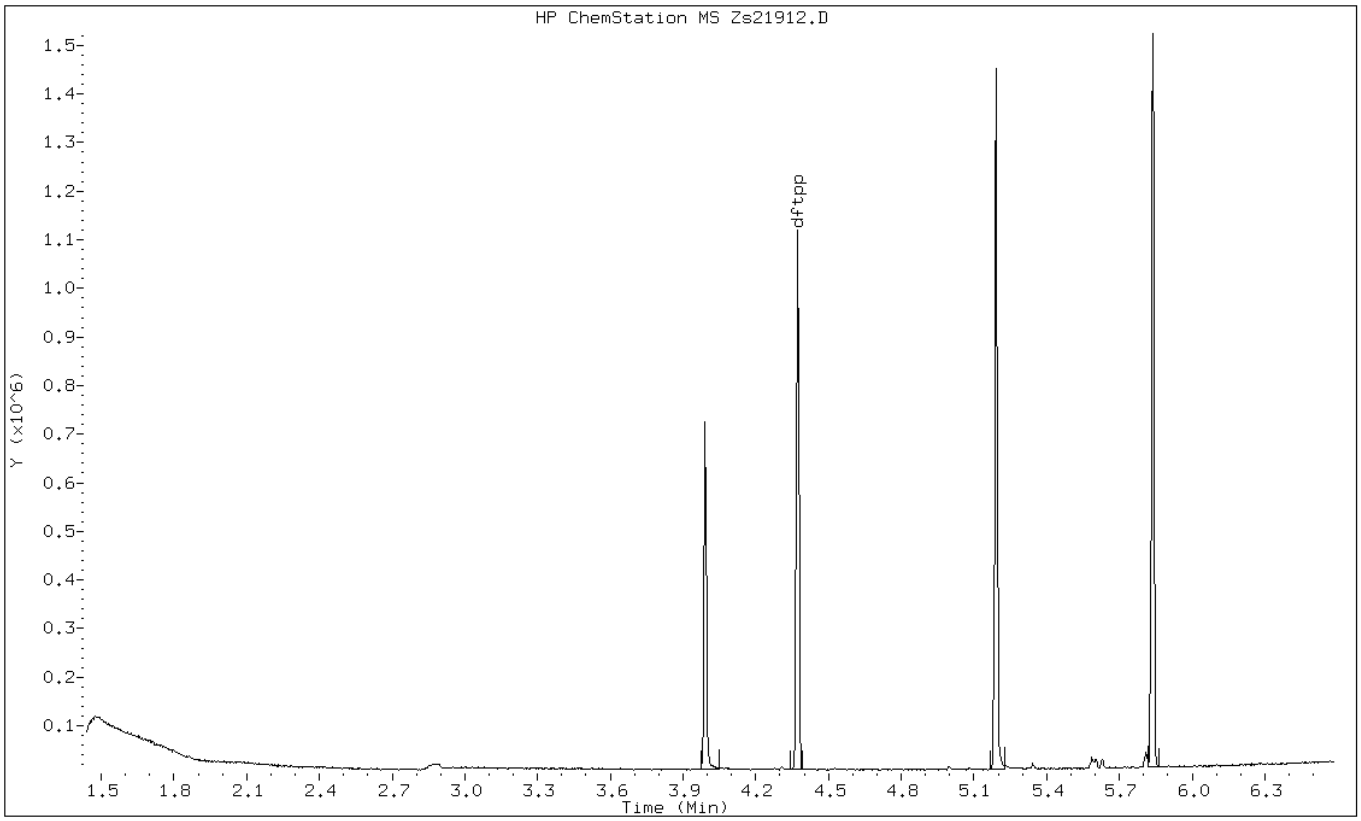
Date: 01-AUG-2011 08:51

Client ID: DFTPP

Instrument: msz.i

Sample Info: DFTPP

Operator: smith



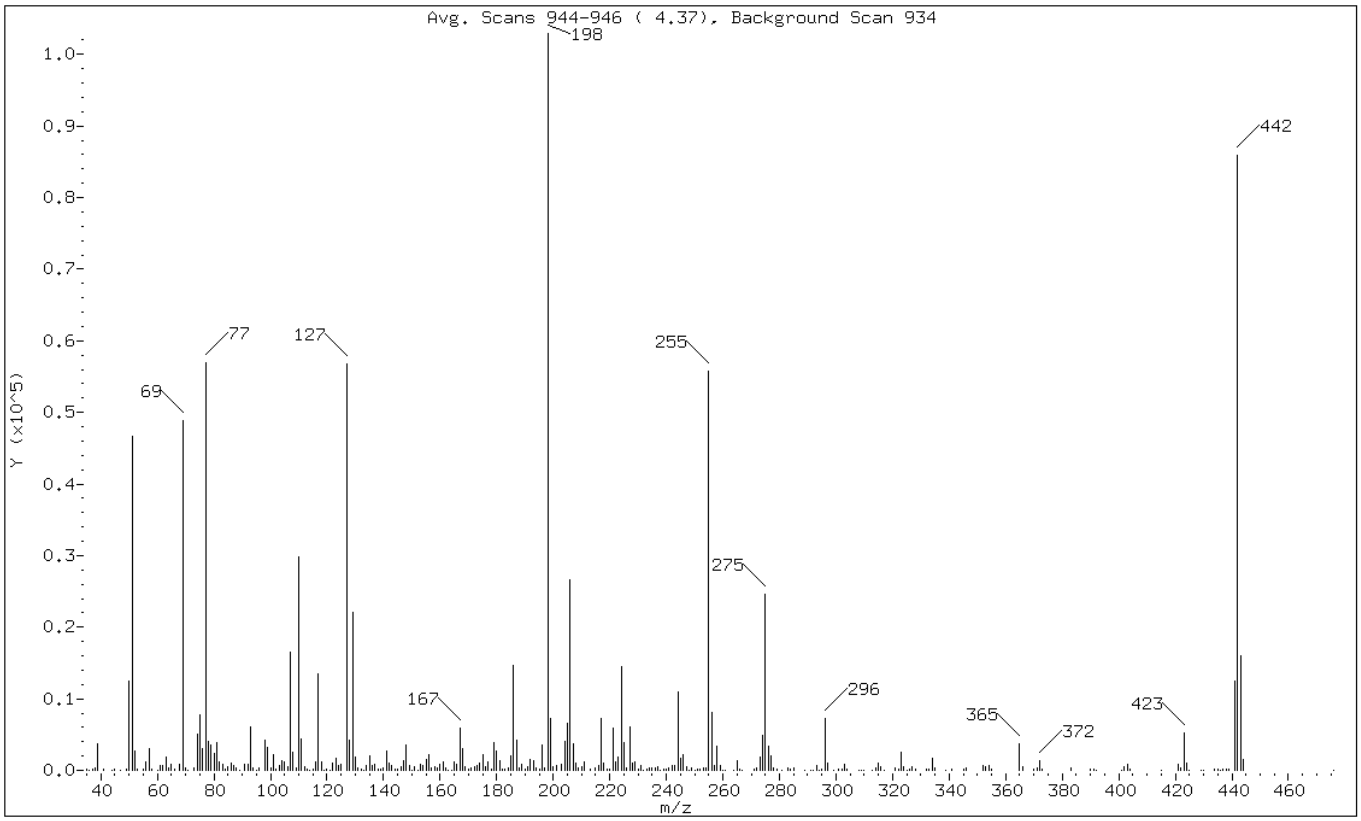
Data File: Zs21912.D

Date: 01-AUG-2011 08:51

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.28
68	Less than 2.00% of mass 69	0.81 (1.69)
69	Less than 100.00% of mass 198	47.53
70	Less than 2.00% of mass 69	0.27 (0.56)
127	40.00 - 60.00% of mass 198	55.17
197	Less than 1.00% of mass 198	0.38
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	23.89
365	1.00 - 100.00% of mass 198	3.55
441	Present, but less than mass 443	12.04
442	40.00 - 100.00% of mass 198	83.40
443	17.00 - 23.00% of mass 442	15.51 (18.60)

Data File: Zs21912.D

Date: 01-AUG-2011 08:51

Client ID: DFTPP Instrument: msz.i

Sample Info: DFTPP Operator: smith

Data File: \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Zs21912.D
Spectrum: Avg. Scans 944-946 (4.37), Background Scan 934
Location of Maximum: 198.00
Number of points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	117	122.00	1086	199.00	7259	285.00	411
36.00	9	123.00	1738	200.00	538	289.00	43
37.00	244	124.00	639	201.00	709	291.00	34
38.00	299	125.00	837	203.00	762	292.00	66
39.00	3789	127.00	56784	204.00	3973	293.00	643
41.00	216	128.00	4169	205.00	6634	294.00	73
44.00	28	129.00	21992	206.00	26552	295.00	180
45.00	108	130.00	1931	207.00	3656	296.00	7289
47.00	37	131.00	418	208.00	927	297.00	957
49.00	101	132.00	173	209.00	282	299.00	46
50.00	12522	133.00	77	210.00	513	301.00	129
51.00	46600	134.00	693	211.00	1253	302.00	91
52.00	2771	135.00	1938	213.00	141	303.00	809
53.00	155	136.00	721	215.00	347	304.00	170
55.00	194	137.00	865	216.00	655	308.00	36
56.00	1204	138.00	222	217.00	7247	309.00	38
57.00	2987	139.00	139	218.00	1002	310.00	41
58.00	195	140.00	322	219.00	86	313.00	34
60.00	44	141.00	2776	220.00	157	314.00	314
61.00	609	142.00	937	221.00	5865	315.00	1025
62.00	754	143.00	618	222.00	1263	316.00	466
63.00	1773	144.00	192	223.00	1863	317.00	50
64.00	323	145.00	189	224.00	14403	321.00	268
65.00	925	146.00	490	225.00	3840	322.00	125
66.00	90	147.00	1431	226.00	404	323.00	2487
68.00	829	148.00	3486	227.00	6044	324.00	553
69.00	48920	149.00	731	228.00	929	325.00	38
70.00	273	150.00	67	229.00	1171	326.00	94
71.00	84	151.00	514	230.00	140	327.00	513
73.00	306	152.00	78	231.00	597	328.00	198
74.00	5108	153.00	825	232.00	52	332.00	236
75.00	7811	154.00	663	233.00	92	333.00	239
76.00	3020	155.00	1536	234.00	379	334.00	1630
77.00	57008	156.00	2202	235.00	324	335.00	397
78.00	3974	157.00	363	236.00	293	339.00	37
79.00	3566	158.00	497	237.00	495	341.00	148
80.00	2353	159.00	413	238.00	37	345.00	124
81.00	3956	160.00	924	239.00	225	346.00	353
82.00	1170	161.00	1201	240.00	201	352.00	645
83.00	830	162.00	369	241.00	293	353.00	477

84.00	113	163.00	50	242.00	756	354.00	715
85.00	552	164.00	69	243.00	643	355.00	181
86.00	1041	165.00	1147	244.00	10955	365.00	3650
87.00	613	166.00	921	245.00	1766	366.00	487
88.00	355	167.00	5934	246.00	2242	370.00	114
89.00	65	168.00	2975	247.00	452	371.00	283
91.00	770	169.00	452	248.00	42	372.00	1341
92.00	801	170.00	140	249.00	416	373.00	190
93.00	6141	171.00	253	250.00	34	383.00	365
94.00	409	172.00	431	251.00	149	390.00	169
95.00	29	173.00	625	252.00	177	391.00	104
96.00	377	174.00	1066	253.00	410	392.00	45
98.00	4179	175.00	2174	254.00	362	401.00	77
99.00	3170	176.00	546	255.00	55704	402.00	520
100.00	254	177.00	1142	256.00	8111	403.00	866
101.00	2238	178.00	235	257.00	701	404.00	223
102.00	93	179.00	3819	258.00	3357	415.00	48
103.00	714	180.00	2657	259.00	713	421.00	804
104.00	1403	181.00	1338	260.00	35	422.00	411
105.00	1261	182.00	225	261.00	47	423.00	5238
106.00	438	183.00	193	264.00	51	424.00	984
107.00	16496	184.00	270	265.00	1293	425.00	76
108.00	2600	185.00	1939	266.00	231	429.00	62
109.00	367	186.00	14718	267.00	33	430.00	34
110.00	29800	187.00	4145	271.00	170	434.00	88
111.00	4395	188.00	415	272.00	281	435.00	90
112.00	524	189.00	925	273.00	1857	436.00	51
113.00	191	190.00	169	274.00	4830	437.00	116
114.00	59	191.00	447	275.00	24592	438.00	117
115.00	105	192.00	1454	276.00	3312	439.00	193
116.00	1135	193.00	1405	277.00	2094	441.00	12396
117.00	13541	194.00	279	278.00	383	442.00	85832
118.00	1154	195.00	222	279.00	86	443.00	15962
119.00	73	196.00	3526	281.00	48	444.00	1537
120.00	220	197.00	392	283.00	336	476.00	35
121.00	81	198.00	102920	284.00	220		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53330/1-A

Matrix: Water | Lab File ID: Z21914.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/27/2011 09:37

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2011 09:42

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	4.0	U	4.0	0.30
83-32-9	Acenaphthene	4.0	U	4.0	0.31
86-73-7	Fluorene	4.0	U	4.0	0.26
85-01-8	Phenanthrene	4.0	U	4.0	0.28
120-12-7	Anthracene	4.0	U	4.0	0.29
129-00-0	Pyrene	4.0	U	4.0	0.33
56-55-3	Benzo[a]anthracene	4.0	U	4.0	0.30
218-01-9	Chrysene	4.0	U	4.0	0.25
205-99-2	Benzo[b]fluoranthene	4.0	U	4.0	0.36
207-08-9	Benzo[k]fluoranthene	4.0	U	4.0	0.40
50-32-8	Benzo[a]pyrene	4.0	U	4.0	0.35
193-39-5	Indeno[1,2,3-cd]pyrene	4.0	U	4.0	0.28
53-70-3	Dibenz(a,h)anthracene	4.0	U	4.0	0.38
191-24-2	Benzo[g,h,i]perylene	4.0	U	4.0	0.36
206-44-0	Fluoranthene	4.0	U	4.0	0.31
208-96-8	Acenaphthylene	4.0	U	4.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		40-120
321-60-8	2-Fluorobiphenyl	68		39-120
1718-51-0	Terphenyl-d14	81		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Z21914.D
Lab Smp Id: MB 220-53330/1-A Client Smp ID: MB 220-53330/1-A
Inj Date : 01-AUG-2011 09:42
Operator : S.Jonas Inst ID: msz.i
Smp Info : MB 220-53330/1-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 09:34 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 13:54 Cal File: Z21887.D
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.756	4.759	(1.000)	269400	20.0000	
$	2 2-Fluorophenol	112	3.304	3.311	(0.695)	510995	33.4397	33
$	3 Phenol-d5	99	4.429	4.445	(0.931)	535347	24.3734	24
*	20 Naphthalene-d8	136	6.114	6.123	(1.000)	1217906	20.0000	
$	21 Nitrobenzene-d5	82	5.359	5.368	(0.876)	752744	34.8264	35
	26 Benzoic Acid	122	5.868	6.012	(0.960)	1946	3.86407	4(M)
	129 Caprolactam	113	6.546	6.636	(1.071)	6214	1.07848	1(M)
*	35 Acenaphthene-d10	164	7.976	7.982	(1.000)	717733	20.0000	
$	40 2-Fluorobiphenyl	172	7.283	7.289	(0.913)	1458619	34.1850	34
$	56 2,4,6-Tribromophenol	330	8.812	8.821	(1.105)	374908	60.4057	60
*	57 Phenanthrene-d10	188	9.536	9.549	(1.000)	1169353	20.0000	
*	70 Chrysene-d12	240	12.392	12.405	(1.000)	1047346	20.0000	
$	73 Terphenyl-d14	244	11.239	11.242	(0.907)	1864569	40.3912	40
*	79 Perylene-d12	264	14.515	14.528	(1.000)	794083	20.0000	

QC Flag Legend

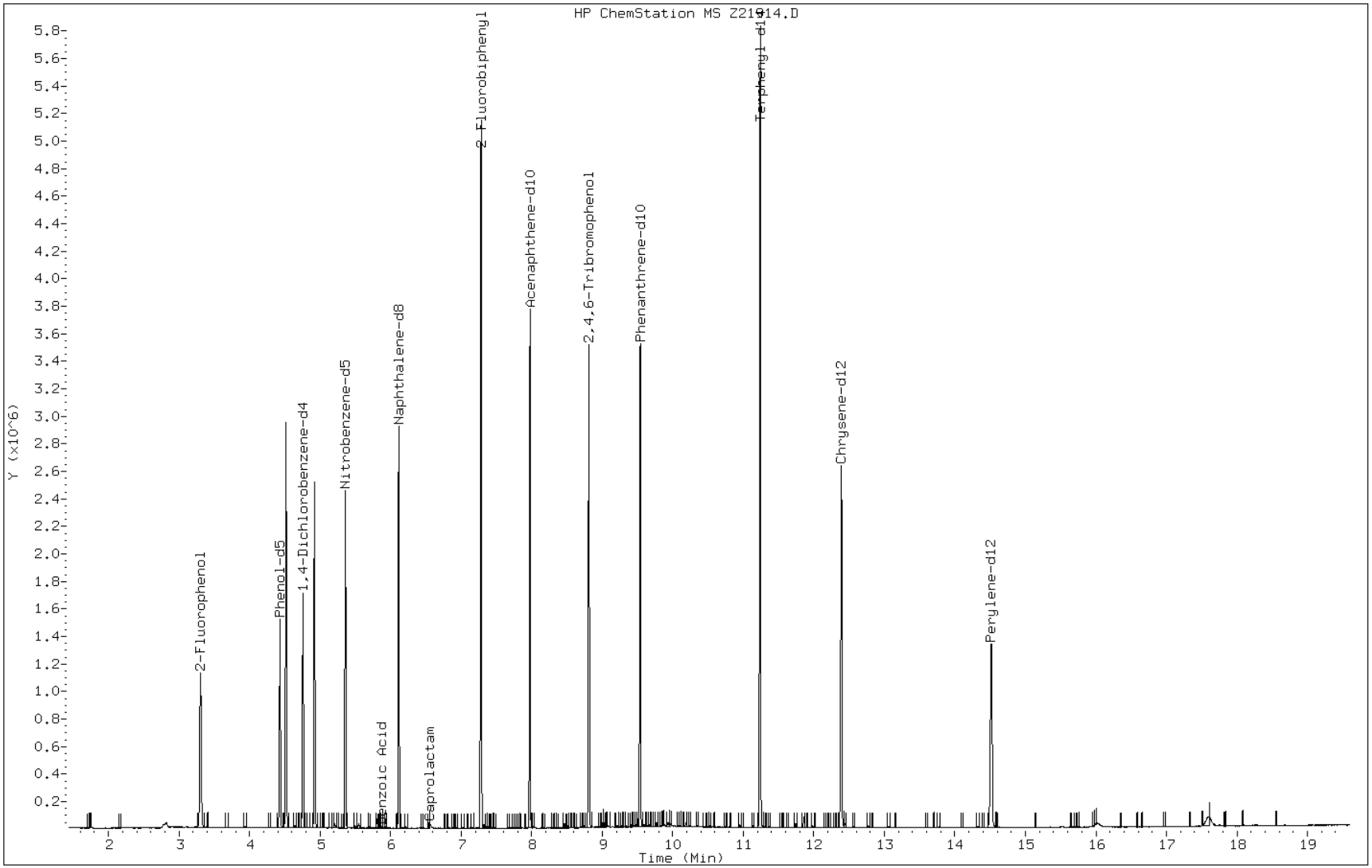
M - Compound response manually integrated.

Data File: Z21914.D

Date: 01-AUG-2011 09:42

Client ID: MB 220-53330/1-A Instrument: msz.i

Sample Info: MB 220-53330/1-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-53541/1-A

Matrix: Solid | Lab File ID: C24651.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/02/2011 11:09

Sample wt/vol: 15(g) | Date Analyzed: 08/04/2011 12:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53666 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	270	U	270	14
83-32-9	Acenaphthene	270	U	270	16
86-73-7	Fluorene	270	U	270	16
85-01-8	Phenanthrene	270	U	270	13
120-12-7	Anthracene	270	U	270	11
129-00-0	Pyrene	270	U	270	13
56-55-3	Benzo[a]anthracene	9.71	J	270	9.6
218-01-9	Chrysene	270	U	270	20
205-99-2	Benzo[b]fluoranthene	270	U	270	7.2
207-08-9	Benzo[k]fluoranthene	270	U	270	24
50-32-8	Benzo[a]pyrene	270	U	270	7.3
193-39-5	Indeno[1,2,3-cd]pyrene	270	U	270	18
53-70-3	Dibenz(a,h)anthracene	270	U	270	21
191-24-2	Benzo[g,h,i]perylene	270	U	270	18
206-44-0	Fluoranthene	270	U	270	13
208-96-8	Acenaphthylene	270	U	270	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		38-120
321-60-8	2-Fluorobiphenyl	76		41-120
1718-51-0	Terphenyl-d14	81		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24651.D
Lab Smp Id: MB 220-53541/1-A Client Smp ID: MB 220-53541/1-A
Inj Date : 04-AUG-2011 12:42
Operator : S.Jonas Inst ID: msc.i
Smp Info : MB 220-53541/1-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 08:18 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 08:26 Cal File: C24643.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

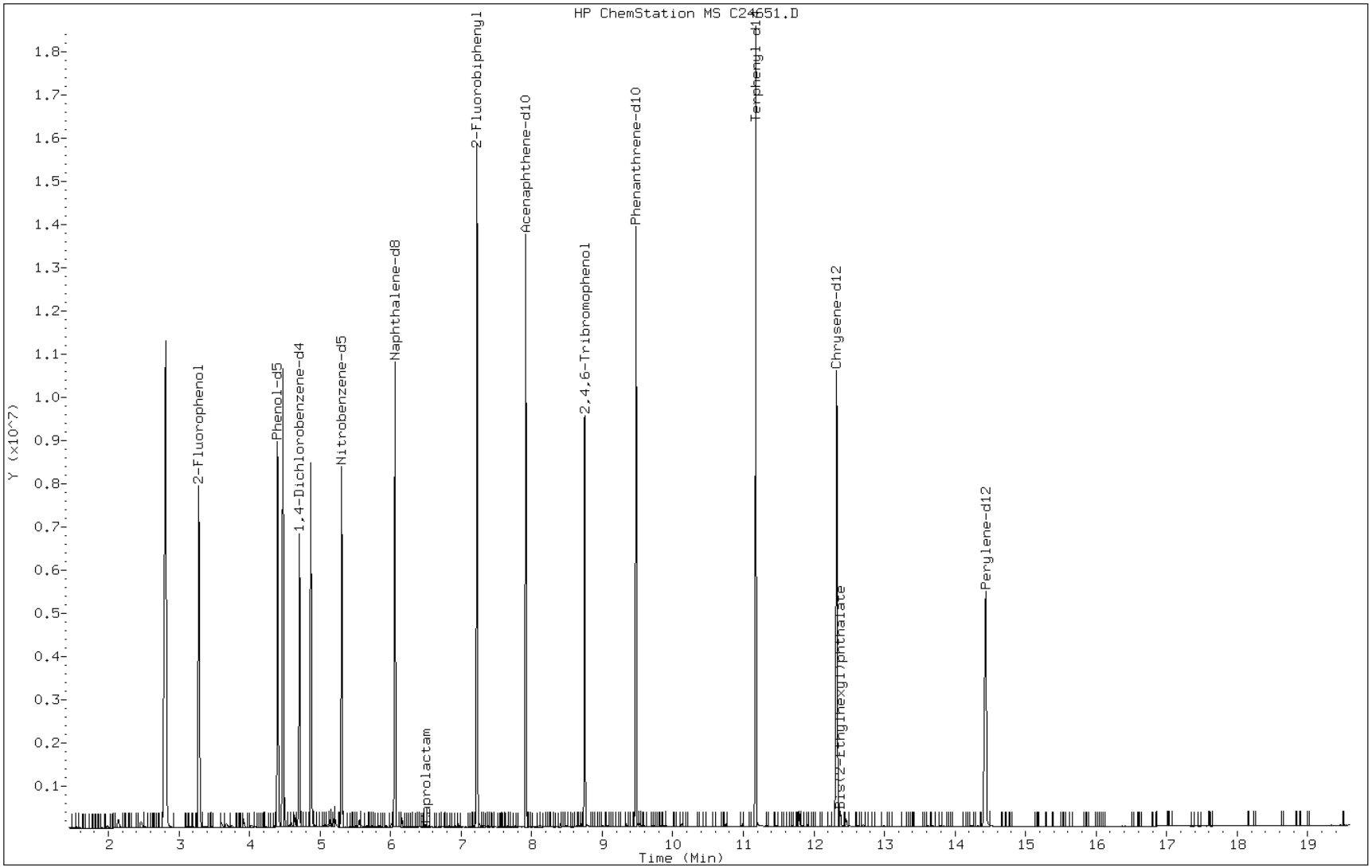
			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/Kg)
*	1	1,4-Dichlorobenzene-d4	152	4.707	4.707	(1.000)	1001290	20.0000	
$	2	2-Fluorophenol	112	3.282	3.264	(0.697)	2526802	57.5017	3800
$	3	Phenol-d5	99	4.398	4.404	(0.934)	3557989	59.4865	4000
*	20	Naphthalene-d8	136	6.060	6.066	(1.000)	4179796	20.0000	
$	21	Nitrobenzene-d5	82	5.306	5.312	(0.876)	2217145	38.4781	2600
	129	Caprolactam	113	6.493	6.588	(1.071)	6116	0.41508	28
*	35	Acenaphthene-d10	164	7.918	7.924	(1.000)	2662950	20.0000	
$	40	2-Fluorobiphenyl	172	7.223	7.229	(0.912)	4628859	38.1573	2500
$	56	2,4,6-Tribromophenol	330	8.755	8.761	(1.106)	1017208	60.0761	4000
*	57	Phenanthrene-d10	188	9.479	9.485	(1.000)	4468921	20.0000	
*	70	Chrysene-d12	240	12.322	12.334	(1.000)	4381800	20.0000	
$	73	Terphenyl-d14	244	11.176	11.176	(0.907)	5455629	40.3572	2700
	76	Benzo(a)anthracene	228	12.310	12.316	(0.999)	26397	0.14561	10
	78	Bis(2-Ethylhexyl)phthalate	149	12.375	12.381	(1.004)	102913	1.19980	80
*	79	Perylene-d12	264	14.435	14.435	(1.000)	3375246	20.0000	

Data File: C24651.D

Date: 04-AUG-2011 12:42

Client ID: MB 220-53541/1-A Instrument: msc.i

Sample Info: MB 220-53541/1-A Operator: S.Jonas



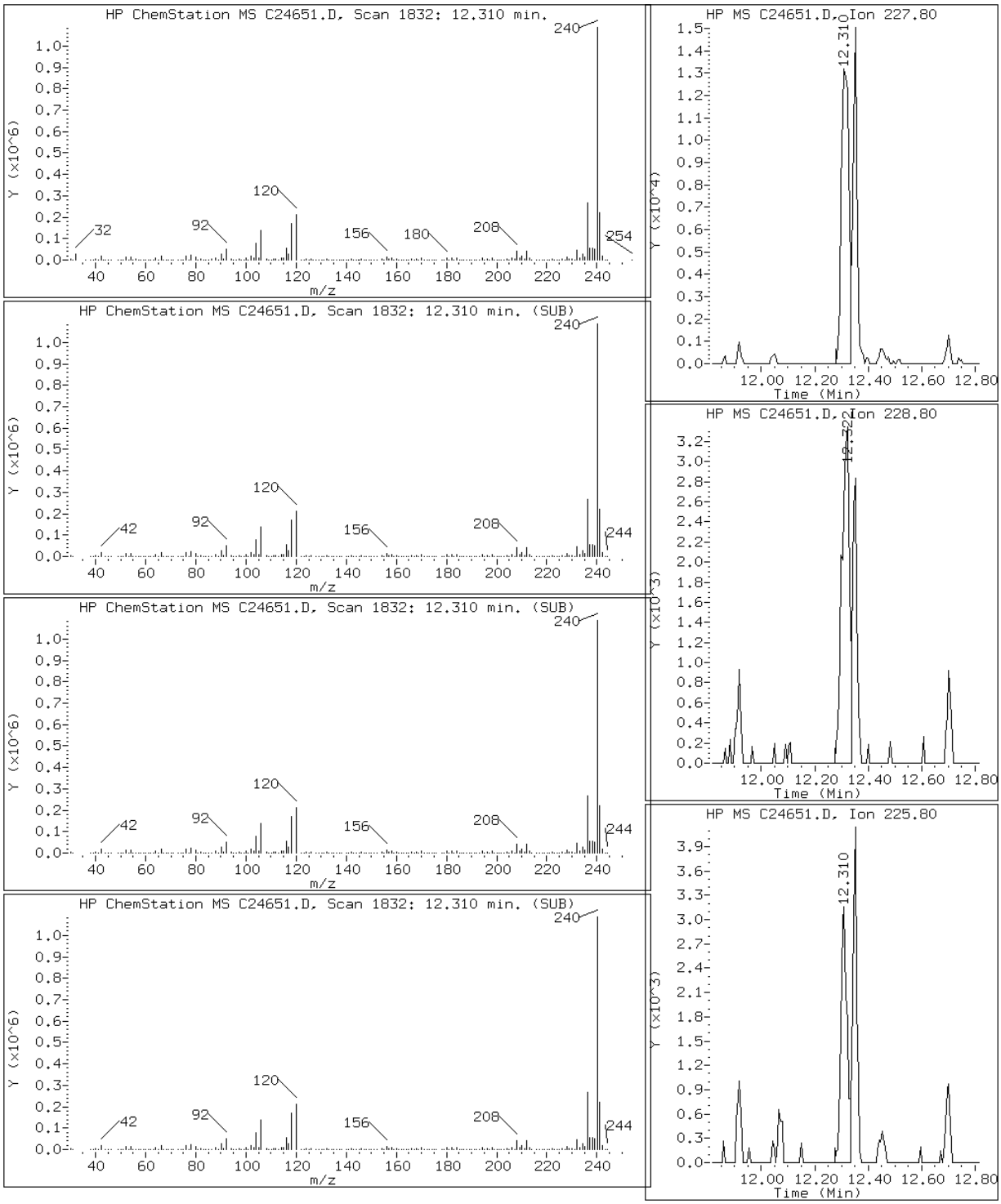
Data File: C24651.D

Date: 04-AUG-2011 12:42

Client ID: MB 220-53541/1-A Instrument: msc.i

Sample Info: MB 220-53541/1-A Operator: S.Jonas

76 Benzo(a)anthracene



Manual Integration Report

Data File: C24651.D
Inj. Date and Time: 04-AUG-2011 12:42
Instrument ID: msc.i
Client ID: MB 220-53541/1-A
Compound: 77 Chrysene
CAS #: 218-01-9
Report Date: 08/05/2011

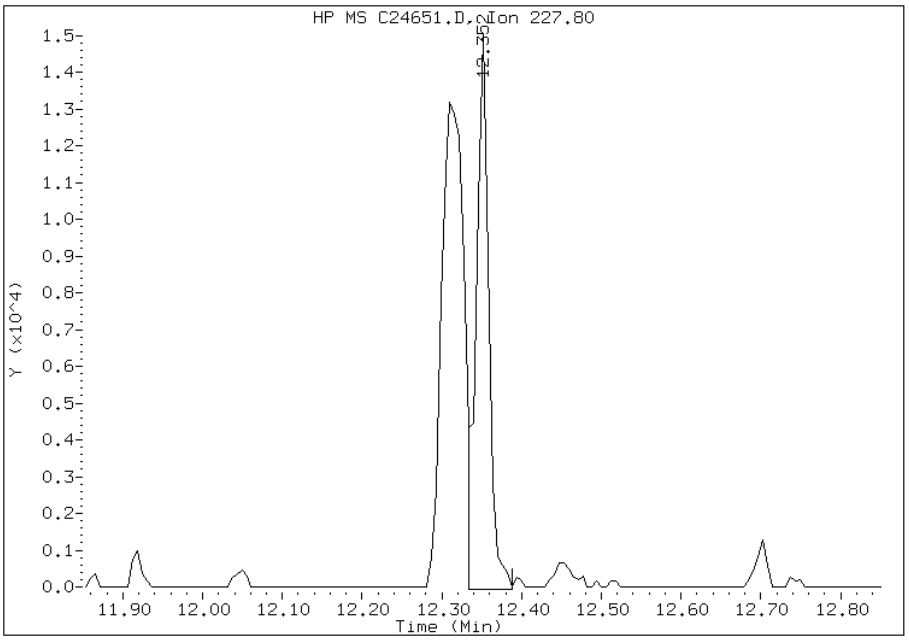
Processing Integration Results

RT: 12.35

Response: 17251

Amount: 0

Conc: 7



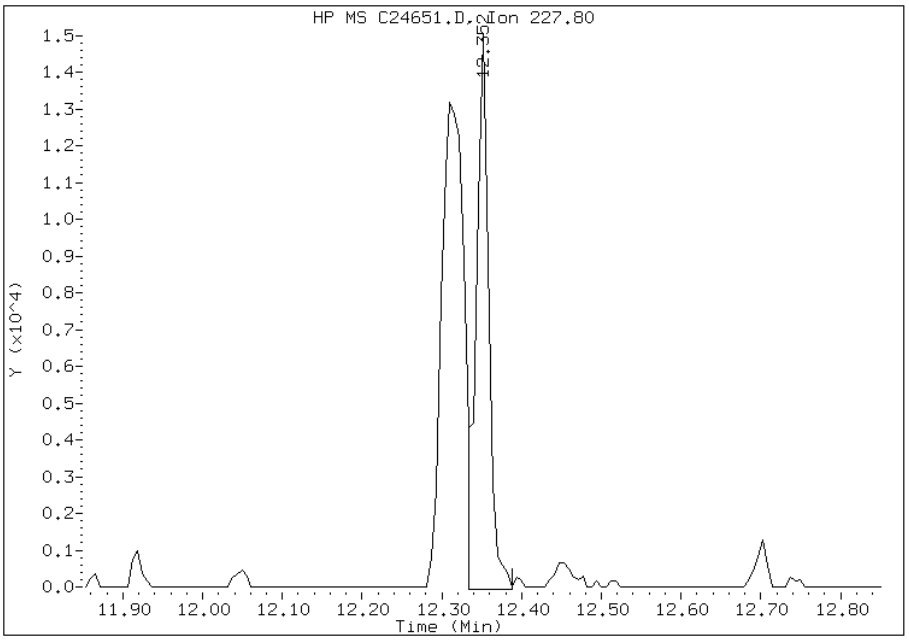
Manual Integration Results

RT: 12.35

Response: 17251

Amount: 0

Conc: 7



Manually Integrated By: stephan
Manual Integration Reason: Incorrect peak identification

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53330/2-A

Matrix: Water | Lab File ID: Z21915.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/27/2011 09:37

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2011 10:10

Con. Extract Vol.: 1.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53500 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	26.9		4.0	0.30
83-32-9	Acenaphthene	33.5		4.0	0.31
86-73-7	Fluorene	36.8		4.0	0.26
85-01-8	Phenanthrene	36.9		4.0	0.28
120-12-7	Anthracene	37.4		4.0	0.29
129-00-0	Pyrene	37.3		4.0	0.33
56-55-3	Benzo[a]anthracene	37.2		4.0	0.30
218-01-9	Chrysene	37.4		4.0	0.25
205-99-2	Benzo[b]fluoranthene	35.4		4.0	0.36
207-08-9	Benzo[k]fluoranthene	37.2		4.0	0.40
50-32-8	Benzo[a]pyrene	37.1		4.0	0.35
193-39-5	Indeno[1,2,3-cd]pyrene	36.7		4.0	0.28
53-70-3	Dibenz(a,h)anthracene	38.8		4.0	0.38
191-24-2	Benzo[g,h,i]perylene	38.3		4.0	0.36
206-44-0	Fluoranthene	37.7		4.0	0.31
208-96-8	Acenaphthylene	33.3		4.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	76		40-120
321-60-8	2-Fluorobiphenyl	77		39-120
1718-51-0	Terphenyl-d14	94		10-120

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\Z21915.D
Lab Smp Id: LCS 220-53330/2-A Client Smp ID: LCS 220-53330/2-A
Inj Date : 01-AUG-2011 10:10
Operator : S.Jonas Inst ID: msz.i
Smp Info : LCS 220-53330/2-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msz.i\Z1121912.b\MSZ-8270C.m
Meth Date : 01-Aug-2011 09:34 stephan Quant Type: ISTD
Cal Date : 28-JUL-2011 13:54 Cal File: Z21887.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	InjectionVol
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
*	1 1,4-Dichlorobenzene-d4	152	4.759	4.759	(1.000)	270704	20.0000	
$	2 2-Fluorophenol	112	3.310	3.311	(0.696)	535798	34.8939	35
$	3 Phenol-d5	99	4.439	4.445	(0.933)	554291	25.1143	25
	4 Pyridine	52	1.533	1.533	(0.322)	67093	16.9987	17
	5 N-Nitrosodimethylamine	42	1.523	1.523	(0.320)	58666	19.2345	19
	7 Phenol	94	4.451	4.461	(0.935)	321919	13.5591	14
	8 Aniline	93	4.414	4.417	(0.927)	732241	28.5599	28
	9 bis(2-Chloroethyl)ether	63	4.510	4.517	(0.948)	390795	27.3622	27
	10 2-Chlorophenol	128	4.538	4.541	(0.954)	541040	27.1880	27
	11 1,3-Dichlorobenzene	146	4.694	4.697	(0.986)	486967	21.8120	22
	12 1,4-Dichlorobenzene	146	4.774	4.778	(1.003)	504152	22.1237	22
	13 Benzyl alcohol	108	4.942	4.949	(1.039)	295284	24.1546	24
	14 1,2-Dichlorobenzene	146	4.936	4.939	(1.037)	475681	22.4595	22
	15 2,2'-oxybis(1-Chloropropane)	45	5.098	5.098	(1.071)	714729	28.8612	29
	16 2-Methylphenol	108	5.088	5.101	(1.069)	473142	26.2688	26
	17 Hexachloroethane	117	5.297	5.300	(1.113)	201368	21.1905	21
	18 N-Nitroso-di-n-propylamine	70	5.241	5.244	(1.101)	455119	30.4625	30
	19 4-Methylphenol	108	5.269	5.266	(1.107)	951527	48.6287	49
*	20 Naphthalene-d8	136	6.120	6.123	(1.000)	1223791	20.0000	
$	21 Nitrobenzene-d5	82	5.365	5.368	(0.877)	823388	37.9117	38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/L)
	22 Nitrobenzene	77	5.384	5.390	(0.880)	656146	29.4482	29
	23 Isophorone	82	5.654	5.657	(0.924)	1272853	30.6612	31
	24 2-Nitrophenol	139	5.725	5.729	(0.936)	356225	29.8095	30
	25 2,4-Dimethylphenol	122	5.819	5.822	(0.951)	499462	28.3960	28
	26 Benzoic Acid	122	5.955	6.012	(0.973)	143316	15.8817	16
	27 Bis(2-Chloroethoxy)methane	93	5.906	5.912	(0.965)	769513	29.7730	30
	28 2,4-Dichlorophenol	162	5.993	5.999	(0.979)	509413	29.8178	30
	29 1,2,4-Trichlorobenzene	180	6.067	6.074	(0.991)	457184	24.2090	24
	30 Naphthalene	128	6.142	6.145	(1.004)	1675321	26.9132	27
	31 4-Chloroaniline	127	6.220	6.226	(1.016)	756267	30.7172	31
	32 Hexachlorobutadiene	225	6.297	6.304	(1.029)	234630	22.6023	23
	33 4-Chloro-3-methylphenol	107	6.764	6.779	(1.105)	630745	33.3555	33
	34 2-Methylnaphthalene	142	6.882	6.888	(1.124)	1191875	28.3913	28
*	35 Acenaphthene-d10	164	7.982	7.982	(1.000)	730965	20.0000	
	37 Hexachlorocyclopentadiene	237	7.062	7.065	(0.885)	275633	24.8262	25
	38 2,4,6-Trichlorophenol	196	7.196	7.202	(0.901)	417275	33.7840	34
	39 2,4,5-Trichlorophenol	196	7.230	7.242	(0.906)	456102	35.3622	35
$	40 2-Fluorobiphenyl	172	7.286	7.289	(0.913)	1663777	38.2874	38
	41 2-Chloronaphthalene	162	7.391	7.398	(0.926)	1200617	30.8542	31
	42 2-Nitroaniline	65	7.519	7.522	(0.942)	455391	37.2139	37
	43 Acenaphthylene	152	7.830	7.830	(0.981)	2190134	33.2581	33
	44 Dimethylphthalate	163	7.739	7.737	(0.970)	1617064	35.2657	35
	45 2,6-Dinitrotoluene	165	7.786	7.789	(0.975)	397594	36.7987	37
	46 Acenaphthene	153	8.019	8.019	(1.005)	1366822	33.5119	34
	47 3-Nitroaniline	138	7.957	7.960	(0.997)	405027	33.9835	34
	48 2,4-Dinitrophenol	184	8.066	8.069	(1.011)	249366	43.0888	43
	49 Dibenzofuran	168	8.199	8.203	(1.027)	1895299	33.6869	34
	50 2,4-Dinitrotoluene	165	8.209	8.209	(1.028)	535820	37.0898	37
	51 4-Nitrophenol	109	8.165	8.175	(1.023)	107138	19.4624	19
	52 Fluorene	166	8.560	8.563	(1.072)	1677556	36.7797	37
	53 4-Chlorophenyl-phenylether	204	8.572	8.576	(1.074)	766818	35.0489	35
	54 Diethylphthalate	149	8.479	8.482	(1.062)	1744391	36.6043	37
	55 4-Nitroaniline	138	8.610	8.613	(1.079)	430329	37.1856	37
$	56 2,4,6-Tribromophenol	330	8.818	8.821	(1.105)	464683	73.5151	74
*	57 Phenanthrene-d10	188	9.545	9.549	(1.000)	1199780	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.641	8.644	(0.905)	330725	37.9902	38
	59 N-Nitrosodiphenylamine (1)	169	8.706	8.709	(0.912)	1217711	35.5701	36
	60 1,2-Diphenylhydrazine	77	8.740	8.744	(0.916)	1900784	36.0283	36
	61 4-Bromophenyl-phenylether	248	9.085	9.089	(0.952)	453324	36.0986	36
	62 Hexachlorobenzene	284	9.147	9.151	(0.958)	480159	35.8977	36
	63 Pentachlorophenol	266	9.359	9.365	(0.980)	291525	35.9954	36
	64 Phenanthrene	178	9.570	9.577	(1.003)	2458638	36.9336	37
	65 Carbazole	167	9.803	9.810	(1.027)	2312555	37.1938	37
	66 Anthracene	178	9.626	9.629	(1.008)	2537952	37.4477	37
	67 Di-n-butylphthalate	149	10.195	10.201	(1.068)	3020054	36.5013	36
	68 Fluoranthene	202	10.826	10.829	(1.134)	2622775	37.6779	38
*	70 Chrysene-d12	240	12.402	12.405	(1.000)	1092913	20.0000	
	72 Pyrene	202	11.062	11.065	(0.892)	2639234	37.3143	37
$	73 Terphenyl-d14	244	11.239	11.242	(0.906)	2255582	46.8244	47
	74 Butylbenzylphthalate	149	11.764	11.768	(0.949)	1181520	35.0591	35
	75 3,3'-Dichlorobenzidine	252	12.367	12.374	(0.997)	519803	28.7939	29
	76 Benzo(a)anthracene	228	12.386	12.389	(0.999)	2260192	37.2047	37
	77 Chrysene	228	12.439	12.442	(1.003)	2169128	37.3511	37
	78 Bis(2-Ethylhexyl)phthalate	149	12.448	12.452	(1.004)	1434027	34.7283	35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/L)
*	79 Perylene-d12	264	14.521	14.528	(1.000)	683171	20.0000	
	80 Di-n-octylphthalate	149	13.340	13.347	(0.919)	1726204	34.3231	34
	81 Benzo(b)fluoranthene	252	13.900	13.906	(0.957)	1577074	35.4316	35
	82 Benzo(k)fluoranthene	252	13.946	13.953	(0.960)	1695790	37.1766	37
	83 Benzo(a)pyrene	252	14.428	14.435	(0.994)	1249091	37.1401	37
	84 Indeno(1,2,3-cd)pyrene	276	16.479	16.492	(1.135)	594472	36.6926	37
	85 Dibenzo(a,h)anthracene	278	16.532	16.545	(1.138)	596973	38.8165	39
	86 Benzo(g,h,i)perylene	276	17.002	17.011	(1.171)	575818	38.3209	38
	103 1,2,4,5-Tetrachlorobenzene	216	7.065	7.068	(0.885)	484676	59.3658	59(R)
	109 2,3,4,6-Tetrachlorophenol	232	8.339	8.346	(1.045)	376098	36.7594	37
	119 Pentachloronitrobenzene	237	9.374	9.381	(0.982)	202459	38.7415	39

QC Flag Legend

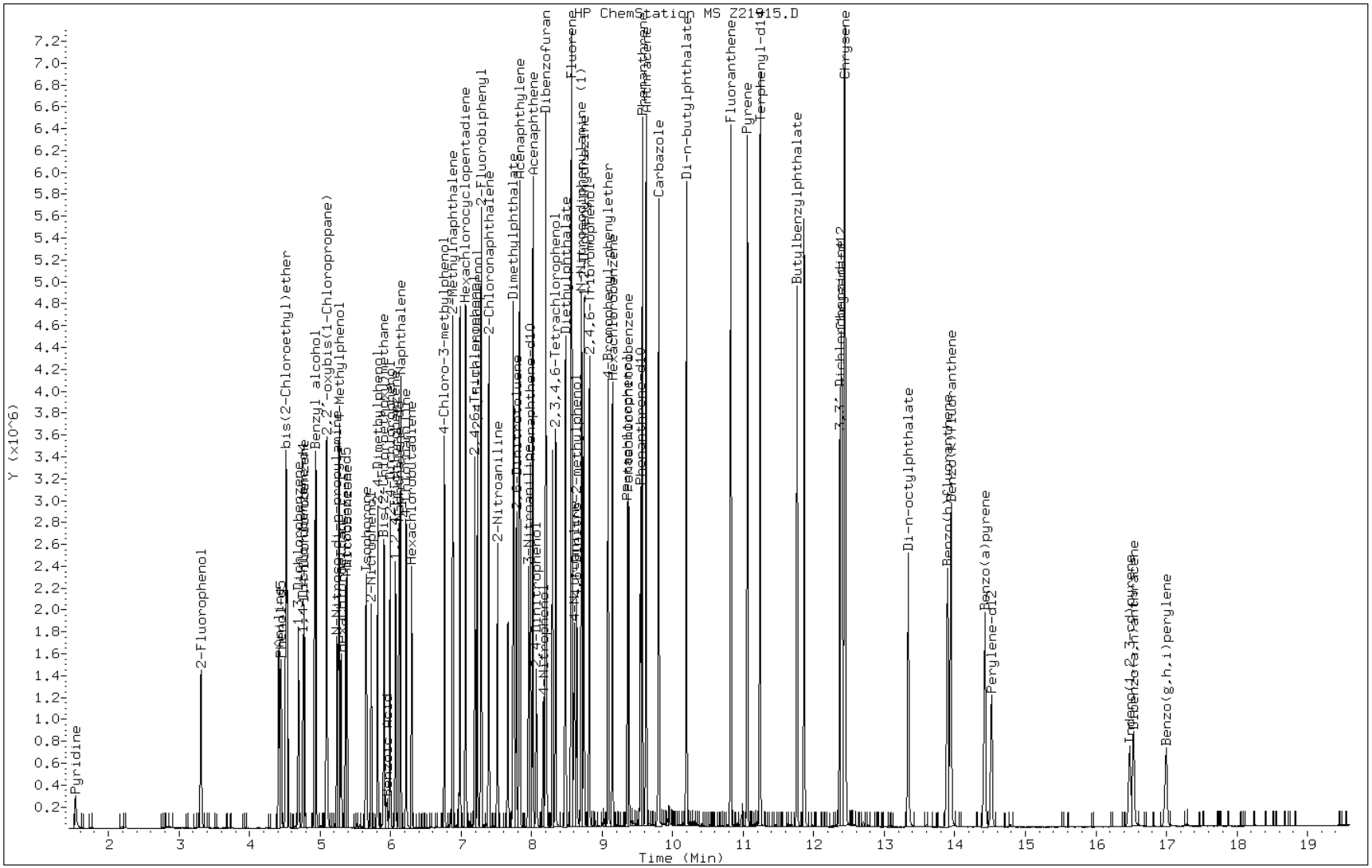
R - Spike/Surrogate failed recovery limits.

Data File: Z21915.D

Date: 01-AUG-2011 10:10

Client ID: LCS 220-53330/2-A Instrument: msz.i

Sample Info: LCS 220-53330/2-A Operator: S.Jonas



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-16095-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-53541/2-A

Matrix: Solid | Lab File ID: C24652.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/02/2011 11:09

Sample wt/vol: 15(g) | Date Analyzed: 08/04/2011 13:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 53666 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2240		270	14
83-32-9	Acenaphthene	2210		270	16
86-73-7	Fluorene	2270		270	16
85-01-8	Phenanthrene	2230		270	13
120-12-7	Anthracene	2270		270	11
129-00-0	Pyrene	2240		270	13
56-55-3	Benzo[a]anthracene	2250		270	9.6
218-01-9	Chrysene	2200		270	20
205-99-2	Benzo[b]fluoranthene	2120		270	7.2
207-08-9	Benzo[k]fluoranthene	2270		270	24
50-32-8	Benzo[a]pyrene	2210		270	7.3
193-39-5	Indeno[1,2,3-cd]pyrene	1480		270	18
53-70-3	Dibenz(a,h)anthracene	1690		270	21
191-24-2	Benzo[g,h,i]perylene	1510		270	18
206-44-0	Fluoranthene	2310		270	13
208-96-8	Acenaphthylene	2290		270	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	84		38-120
321-60-8	2-Fluorobiphenyl	84		41-120
1718-51-0	Terphenyl-d14	84		32-125

TestAmerica Inc

Semivolatile REPORT SW-846 Method 8270

Data file : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\C24652.D
Lab Smp Id: LCS 220-53541/2-A Client Smp ID: LCS 220-53541/2-A
Inj Date : 04-AUG-2011 13:13
Operator : S.Jonas Inst ID: msc.i
Smp Info : LCS 220-53541/2-A
Misc Info :
Comment :
Method : \\Consvr05\Files\Chem\BNA\msc.i\C1124642.b\MSC-8270C.m
Meth Date : 05-Aug-2011 08:18 stephan Quant Type: ISTD
Cal Date : 04-AUG-2011 08:26 Cal File: C24643.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: lcs-rcp.sub
Target Version: 4.14
Processing Host: CONMSA

Concentration Formula:
Amt * DF * Uf * (1000*Vt)/(Ws *Vi* ((100 - M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1.000	Volume of final extract (mL)(1000 low, 2
Ws	15.000	Weight of sample extracted (g)
Vi	1.000	InjectionVol
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
* 1	1,4-Dichlorobenzene-d4	152	4.713	4.707	(1.000)	1001727	20.0000	
$ 2	2-Fluorophenol	112	3.282	3.264	(0.697)	2727305	62.0374	4100
$ 3	Phenol-d5	99	4.410	4.404	(0.936)	3796569	63.4477	4200
4	Pyridine	52	1.519	1.490	(0.322)	356296	21.6166	1400
5	N-Nitrosodimethylamine	42	1.507	1.484	(0.320)	365418	28.7287	1900
7	Phenol	94	4.422	4.416	(0.938)	2088591	32.2101	2100
8	Aniline	93	4.362	4.363	(0.926)	1856126	26.3176	1800
9	bis(2-Chloroethyl)ether	63	4.463	4.463	(0.947)	1424133	31.1366	2100
10	2-Chlorophenol	128	4.493	4.487	(0.953)	1804156	32.4603	2200
11	1,3-Dichlorobenzene	146	4.647	4.641	(0.986)	1864956	29.9395	2000
12	1,4-Dichlorobenzene	146	4.730	4.725	(1.004)	1925671	30.3438	2000
13	Benzyl alcohol	108	4.897	4.897	(1.039)	1113175	32.2045	2100
14	1,2-Dichlorobenzene	146	4.891	4.885	(1.038)	1850580	30.7569	2100
15	2,2'-oxybis(1-Chloropropane)	45	5.045	5.039	(1.071)	3166650	31.3073	2100
16	2-Methylphenol	108	5.051	5.051	(1.072)	1566010	31.6719	2100
17	Hexachloroethane	117	5.241	5.241	(1.112)	799319	30.2148	2000
18	N-Nitroso-di-n-propylamine	70	5.187	5.188	(1.101)	1320631	32.8432	2200
19	4-Methylphenol	108	5.229	5.217	(1.110)	3368707	64.6092	4300(R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/Kg)
*	20 Naphthalene-d8	136	6.066	6.066	(1.000)	4191867	20.0000	
$	21 Nitrobenzene-d5	82	5.312	5.312	(0.876)	2426510	41.9904	2800
	22 Nitrobenzene	77	5.336	5.336	(0.880)	1871950	32.2362	2100
	23 Isophorone	82	5.597	5.603	(0.923)	3428374	32.3167	2200
	24 2-Nitrophenol	139	5.674	5.674	(0.935)	1090722	32.8436	2200
	25 2,4-Dimethylphenol	122	5.769	5.769	(0.951)	1508393	30.3540	2000
	26 Benzoic Acid	122	5.947	5.953	(0.980)	483858	27.2382	1800
	27 Bis(2-Chloroethoxy)methane	93	5.858	5.858	(0.966)	2158348	32.4840	2200
	28 2,4-Dichlorophenol	162	5.947	5.947	(0.980)	1574509	32.5912	2200
	29 1,2,4-Trichlorobenzene	180	6.018	6.018	(0.992)	1709956	32.2985	2200
	30 Naphthalene	128	6.090	6.090	(1.004)	5334300	33.5628	2200
	31 4-Chloroaniline	127	6.167	6.173	(1.017)	1207086	18.0822	1200
	32 Hexachlorobutadiene	225	6.244	6.244	(1.029)	1010005	32.0899	2100
	33 4-Chloro-3-methylphenol	107	6.719	6.725	(1.108)	1647150	33.7939	2300
	34 2-Methylnaphthalene	142	6.826	6.826	(1.125)	3710461	33.2664	2200
*	35 Acenaphthene-d10	164	7.924	7.924	(1.000)	2631355	20.0000	
	37 Hexachlorocyclopentadiene	237	7.010	7.010	(0.885)	828897	28.7836	1900
	38 2,4,6-Trichlorophenol	196	7.146	7.146	(0.902)	1174844	33.0183	2200
	39 2,4,5-Trichlorophenol	196	7.182	7.188	(0.906)	1223632	33.2798	2200
$	40 2-Fluorobiphenyl	172	7.229	7.229	(0.912)	5035558	42.0083	2800
	41 2-Chloronaphthalene	162	7.336	7.342	(0.926)	3507324	32.7064	2200
	42 2-Nitroaniline	65	7.461	7.461	(0.942)	1154455	32.8066	2200
	43 Acenaphthylene	152	7.769	7.769	(0.981)	5960360	34.3448	2300
	44 Dimethylphthalate	163	7.680	7.674	(0.969)	3977836	32.8424	2200
	45 2,6-Dinitrotoluene	165	7.728	7.728	(0.975)	995490	33.9354	2300
	46 Acenaphthene	153	7.959	7.959	(1.004)	3717447	33.1788	2200
	47 3-Nitroaniline	138	7.900	7.900	(0.997)	762316	23.3395	1600
	48 2,4-Dinitrophenol	184	8.013	8.013	(1.011)	528660	34.2883	2300
	49 Dibenzofuran	168	8.143	8.143	(1.028)	5149077	33.0899	2200
	50 2,4-Dinitrotoluene	165	8.155	8.155	(1.029)	1336952	33.5879	2200
	51 4-Nitrophenol	109	8.119	8.120	(1.025)	491773	33.7931	2300
	52 Fluorene	166	8.499	8.499	(1.073)	4361819	34.1086	2300
	53 4-Chlorophenyl-phenylether	204	8.511	8.511	(1.074)	2081705	33.1840	2200
	54 Diethylphthalate	149	8.422	8.422	(1.063)	4237697	33.9009	2300
	55 4-Nitroaniline	138	8.547	8.553	(1.079)	963330	29.5556	2000
$	56 2,4,6-Tribromophenol	330	8.760	8.761	(1.106)	1126116	67.3068	4500
*	57 Phenanthrene-d10	188	9.485	9.485	(1.000)	4501952	20.0000	
	58 4,6-Dinitro-2-methylphenol	198	8.588	8.588	(0.906)	783112	33.8872	2300
	59 N-Nitrosodiphenylamine (1)	169	8.648	8.648	(0.912)	3106867	33.1364	2200
	60 1,2-Diphenylhydrazine	77	8.683	8.683	(0.916)	4434522	32.7887	2200
	61 4-Bromophenyl-phenylether	248	9.028	9.028	(0.952)	1216233	33.0149	2200
	62 Hexachlorobenzene	284	9.087	9.093	(0.958)	1278468	33.2224	2200
	63 Pentachlorophenol	266	9.301	9.307	(0.981)	673604	38.5179	2600
	64 Phenanthrene	178	9.508	9.514	(1.002)	5904916	33.3894	2200
	65 Carbazole	167	9.746	9.746	(1.028)	5602322	33.0868	2200
	66 Anthracene	178	9.562	9.568	(1.008)	6103171	34.0862	2300
	67 Di-n-butylphthalate	149	10.137	10.138	(1.069)	7201303	35.5832	2400
	68 Fluoranthene	202	10.761	10.767	(1.135)	6573881	34.7014	2300
*	70 Chrysene-d12	240	12.333	12.334	(1.000)	4318775	20.0000	
	72 Pyrene	202	10.998	10.998	(0.892)	6601671	33.6285	2200
$	73 Terphenyl-d14	244	11.182	11.176	(0.907)	5604908	42.0665	2800
	74 Butylbenzylphthalate	149	11.698	11.704	(0.949)	2935281	37.0373	2500
	75 3,3'-Dichlorobenzidine	252	12.298	12.298	(0.997)	1099766	22.9883	1500
	76 Benzo(a)anthracene	228	12.316	12.316	(0.999)	6021206	33.6993	2200

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)
77	Chrysene	228	12.369	12.369	(1.003)	5513220	33.0049	2200
78	Bis(2-Ethylhexyl)phthalate	149	12.381	12.381	(1.004)	3517074	41.6017	2800
* 79	Perylene-d12	264	14.441	14.435	(1.000)	2839485	20.0000	
80	Di-n-octylphthalate	149	13.265	13.260	(0.919)	4063733	33.8424	2300
81	Benzo(b)fluoranthene	252	13.817	13.817	(0.957)	4254973	31.7957	2100
82	Benzo(k)fluoranthene	252	13.865	13.865	(0.960)	4795241	34.0791	2300
83	Benzo(a)pyrene	252	14.340	14.340	(0.993)	3437180	33.1762	2200
84	Indeno(1,2,3-cd)pyrene	276	16.381	16.382	(1.134)	1333427	22.2397	1500
85	Dibenzo(a,h)anthracene	278	16.429	16.429	(1.138)	1464462	25.4086	1700
86	Benzo(g,h,i)perylene	276	16.892	16.898	(1.170)	1238340	22.6925	1500
103	1,2,4,5-Tetrachlorobenzene	216	7.010	7.010	(0.885)	1747809	70.0112	4700(R)
109	2,3,4,6-Tetrachlorophenol	232	8.286	8.286	(1.046)	1004629	38.6435	2600
119	Pentachloronitrobenzene	237	9.318	9.318	(0.982)	553454	37.4720	2500

QC Flag Legend

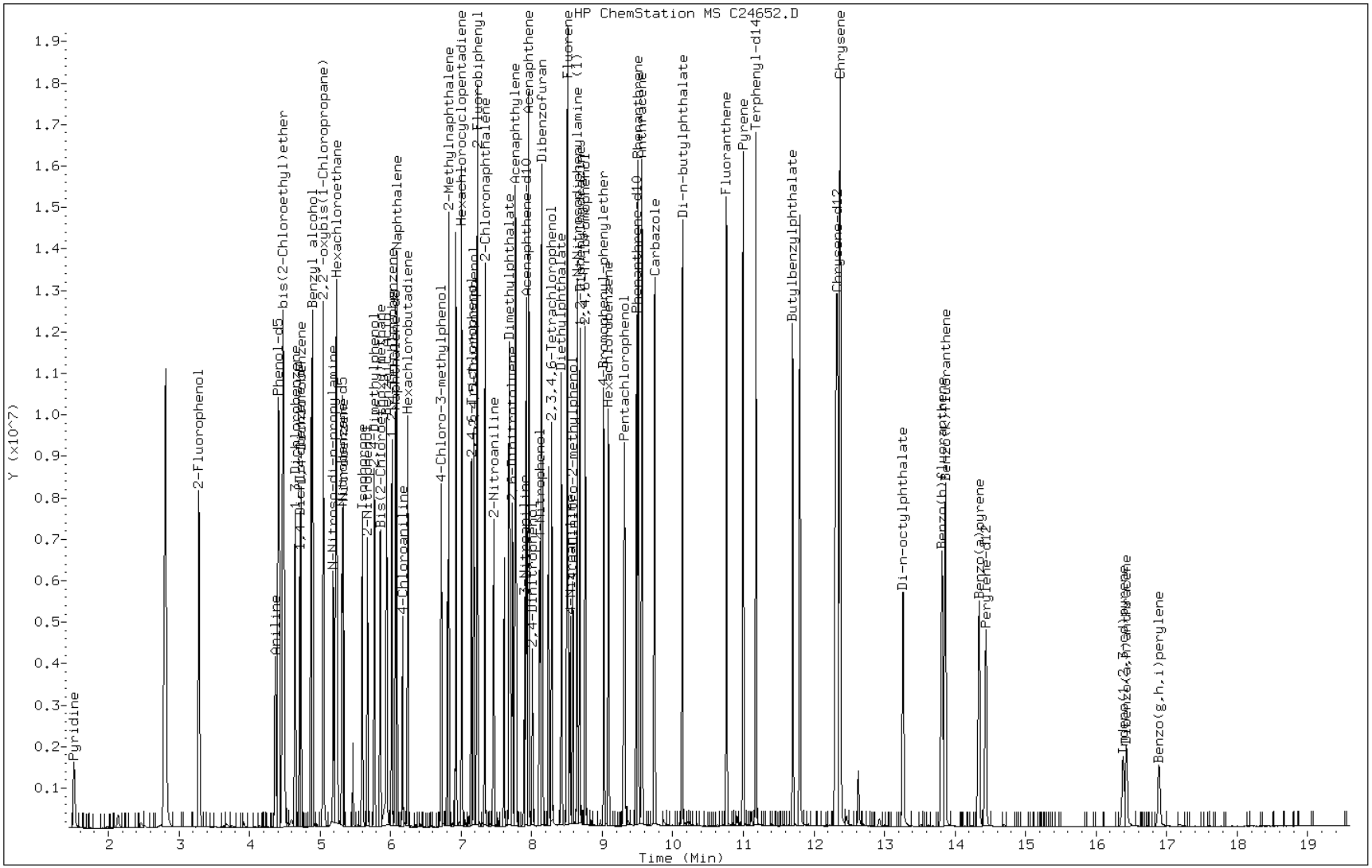
R - Spike/Surrogate failed recovery limits.

Data File: C24652.D

Date: 04-AUG-2011 13:13

Client ID: LCS 220-53541/2-A Instrument: msc.i

Sample Info: LCS 220-53541/2-A Operator: S.Jonas



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSC Start Date: 08/04/2011 08:08

Analysis Batch Number: 53666 End Date: 08/04/2011 19:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53666/8		08/04/2011 08:08	1	Cs24642.D	ZB-5MS 0.25(mm)
ICIS 220-53666/1		08/04/2011 08:26	1	C24643.D	ZB-5MS 0.25(mm)
IC 220-53666/2		08/04/2011 09:08	1	C24644.D	ZB-5MS 0.25(mm)
IC 220-53666/3		08/04/2011 09:39	1	C24645.D	ZB-5MS 0.25(mm)
IC 220-53666/4		08/04/2011 10:09	1	C24646.D	ZB-5MS 0.25(mm)
IC 220-53666/5		08/04/2011 10:40	1	C24647.D	ZB-5MS 0.25(mm)
IC 220-53666/6		08/04/2011 11:10	1	C24648.D	ZB-5MS 0.25(mm)
IC 220-53666/7		08/04/2011 11:41	1	C24649.D	ZB-5MS 0.25(mm)
MB 220-53541/1-A		08/04/2011 12:42	1	C24651.D	ZB-5MS 0.25(mm)
LCS 220-53541/2-A		08/04/2011 13:13	1	C24652.D	ZB-5MS 0.25(mm)
ZZZZZ		08/04/2011 13:44	1		ZB-5MS 0.25(mm)
ZZZZZ		08/04/2011 14:15	1		ZB-5MS 0.25(mm)
220-16095-2	SB SE 11D 22.5'-25'	08/04/2011 16:18	1	C24658.D	ZB-5MS 0.25(mm)
ZZZZZ		08/04/2011 16:49	1		ZB-5MS 0.25(mm)
ZZZZZ		08/04/2011 19:53	1		ZB-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSC Start Date: 08/05/2011 09:05

Analysis Batch Number: 53686 End Date: 08/05/2011 15:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53686/8		08/05/2011 09:05	1	Cs24669.D	ZB-5MS 0.25(mm)
ICIS 220-53686/1		08/05/2011 09:23	1	C24670.D	ZB-5MS 0.25(mm)
IC 220-53686/2		08/05/2011 09:53	1	C24671.D	ZB-5MS 0.25(mm)
IC 220-53686/3		08/05/2011 10:24	1	C24672.D	ZB-5MS 0.25(mm)
IC 220-53686/4		08/05/2011 10:54	1	C24673.D	ZB-5MS 0.25(mm)
IC 220-53686/5		08/05/2011 11:25	1	C24674.D	ZB-5MS 0.25(mm)
IC 220-53686/6		08/05/2011 11:55	1	C24675.D	ZB-5MS 0.25(mm)
IC 220-53686/7		08/05/2011 12:26	1	C24676.D	ZB-5MS 0.25(mm)
220-16095-1	SB SE-11S 2.5'-3.5'	08/05/2011 13:28	2	C24678.D	ZB-5MS 0.25(mm)
ZZZZZ		08/05/2011 14:28	1		ZB-5MS 0.25(mm)
ZZZZZ		08/05/2011 14:59	1		ZB-5MS 0.25(mm)
ZZZZZ		08/05/2011 15:29	1		ZB-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSZ Start Date: 07/28/2011 13:34

Analysis Batch Number: 53479 End Date: 07/28/2011 16:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53479/8		07/28/2011 13:34	1	Zs21886.D	RXi-5MS 0.25(mm)
ICIS 220-53479/1		07/28/2011 13:54	1	Z21887.D	RXi-5MS 0.25(mm)
IC 220-53479/2		07/28/2011 14:25	1	Z21888.D	RXi-5MS 0.25(mm)
IC 220-53479/3		07/28/2011 14:53	1	Z21889.D	RXi-5MS 0.25(mm)
IC 220-53479/4		07/28/2011 15:22	1	Z21890.D	RXi-5MS 0.25(mm)
IC 220-53479/5		07/28/2011 15:50	1	Z21891.D	RXi-5MS 0.25(mm)
IC 220-53479/6		07/28/2011 16:18	1	Z21892.D	RXi-5MS 0.25(mm)
IC 220-53479/7		07/28/2011 16:46	1	Z21893.D	RXi-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Instrument ID: MSZ Start Date: 08/01/2011 08:51

Analysis Batch Number: 53500 End Date: 08/01/2011 19:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 220-53500/7		08/01/2011 08:51	1	Zs21912.D	RXi-5MS 0.25(mm)
CCVIS 220-53500/1		08/01/2011 09:13	1	Z21913.D	RXi-5MS 0.25(mm)
MB 220-53330/1-A		08/01/2011 09:42	1	Z21914.D	RXi-5MS 0.25(mm)
LCS 220-53330/2-A		08/01/2011 10:10	1	Z21915.D	RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 11:07	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 11:35	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 12:04	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 12:32	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 13:03	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 15:25	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 15:53	1		RXi-5MS 0.25(mm)
220-16095-3	SB MW-B	08/01/2011 16:22	1	Z21929.D	RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 16:50	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 17:47	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 18:16	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 18:44	1		RXi-5MS 0.25(mm)
ZZZZZ		08/01/2011 19:13	1		RXi-5MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Batch Number: 53330 Batch Start Date: 07/27/11 09:37 Batch Analyst: Piscitelli, Gerald H

Batch Method: 3510C Batch End Date: 07/27/11 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	EWBNAFMS 00047
MB 220-53330/1		3510C, 8270C		7	1000 mL	1.0 mL	2	12	
LCS 220-53330/2		3510C, 8270C		7	1000 mL	1.0 mL	2	12	400 uL
220-16095-D-3	SB MW-B	3510C, 8270C	T	6	1000 mL	1.0 mL	2	12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	EWBNASUR 00074	EWRCPLCS 00023				
MB 220-53330/1		3510C, 8270C		500 uL					
LCS 220-53330/2		3510C, 8270C		500 uL	400 uL				
220-16095-D-3	SB MW-B	3510C, 8270C	T	500 uL					

Batch Notes	
Acid used for pH adjustment	h2so4
Acid used for pH adjust Lot #	wsulfacd-10
Base used for pH adjustment	naoh
Base used for pH adjust Lot #	enaoh-36
Person's name who did the concentration	Jen Capece
Na2SO4 Lot Number	ena2so4-115
Prep Solvent Lot #	ecmecl2-66
Prep Solvent Name	mecl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	gerald piscitelli
Person's name who witnessed reagent drop	self

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Batch Number: 53541 Batch Start Date: 08/02/11 11:09 Batch Analyst: Piscitelli, Gerald H

Batch Method: 3541 Batch End Date: 08/03/11 14:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EWBNAFMS 00047	EWBNASUR 00073	EWRCPLCS 00023	
MB 220-53541/1		3541, 8270C		15 g	1 mL		500 uL		
LCS 220-53541/2		3541, 8270C		15 g	1 mL	400 uL	500 uL	400 uL	
220-16095-B-1	SB SE-11S 2.5'-3.5'	3541, 8270C	T	15.00 g	1 mL		500 uL		
220-16095-B-2	SB SE 11D 22.5'-25'	3541, 8270C	T	15.01 g	1 mL		500 uL		

Batch Notes	
Balance ID	35451
Person's name who did the concentration	gerald piscitelli
Vendor lot number	ecmecl2ace-50
Na2SO4 Lot Number	ena2so4-116
Person's name who did the prep	gerald piscitelli
Person's name who witnessed reagent drop	self
Solvent	mecl2:acetone 1:1

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-16095-1

SDG No.:

Project: Cooper Tank

Client Sample ID	Lab Sample ID
SB SE-11S 2.5'-3.5'	220-16095-1
SB SE 11D 22.5'-25'	220-16095-2

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-16095-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 09/20/2005 16:02

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-16095-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 10/01/2006 12:58

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut
Job No.: 220-16095-1
SDG No.:
Instrument ID: NOEQUIP
Method: Moisture
Start Date: 07/26/2011 15:23
End Date: 07/26/2011 15:23

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
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ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
220-16095-1	1	T	15:23	X	X																		
220-16095-2	1	T	15:23	X	X																		
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
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ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				
ZZZZZZ			15:23																				

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-16095-1

SDG No.:

Batch Number: 53314 Batch Start Date: 07/26/11 16:00 Batch Analyst: Bouthot, Agnieszka

Batch Method: Moisture Batch End Date: 07/27/11 07:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
220-16095-B-1	SB SE-11S 2.5'-3.5'	Moisture	T	1.04 g	7.48 g	6.66 g			
220-16095-B-2	SB SE 11D 22.5'-25'	Moisture	T	1.00 g	7.26 g	6.61 g			

Batch Notes	
Balance ID	t1 No Unit
Date samples were placed in the oven	7/26/11
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	16:00
Date samples were removed from oven	07/27/11
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	0730
Oven ID	ov2
ID number of the thermometer	ov2
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Scott Narod	**Field Sampler:** Scott Narod	**TAT Required (business days):** Standard	**Lab PM/Contact:** Jackie Trudell	**COC Number:** 19714
Company: GF	**Mobile/Field Number:** 646-961-8603		**Lab Job Number (Lab Use Only):** 16095	**Page** 1 of 1
Address: 100 Crossways Park Dr. West Suite 300	**E-Mail:** snarod@gfnet.com	**Deliverable Type (Report/EDD):** Both	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No	**Carrier Tracking Notes:** IR #4
City, State, Zip: Woodbury NY	**PO #:**	**Sample Disposal:** [ ] Return to Client [ ] Disposal by Lab [X] Archive for 1 Months (A fee may be assessed if samples are retained for longer than 1 month)	**Cooler Temperatures (Lab Use Only):** 3.3	
Phone: 516-364-4140	**WO #:**			
Email: snarod@gfnet.com	**Project #:** 53319.006	**State Regulatory QC Criteria Requirements:**	**Analysis (Attach list if more space is needed)**	
Project Name/Site Location (State): Cooper (NY	**SSOW#:**			

Page 1 of 2	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix (Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other)	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other: Ice	8260 VOC Standard List + CS1	8270 SVOCs CS-1	Comments
1	SB SE-11S 2.5'-3.5'	7/25/11	1015	S	No							2	X	X	
2	SB SE 11D 22.5'-25'	7/25/11	1215	S	No							2	X	X	
3	SB MW-B	7/25/11	1145	Aq	No				3			2	X	X	
4	Trip Blank	7/25/11	0000	Aq	No				3				X		

Relinquished by:	Date/Time: 7/25/11 1505	Company: GF	Received by:	Date/Time: 7/25/11 @ 1505	Company: TA/CT
Relinquished by:	Date/Time: 7/26/11 @ 0930	Company: TA/CT	Received by:	Date/Time: 7/25/11 @ 1715	Company: TA/CT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

Login Sample Receipt Checklist

Client: Gannett Fleming

Job Number: 220-16095-1

Login Number: 16095
List Number: 1
Creator: Cedeno, Jorge

List Source: TestAmerica Connecticut

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	See Narrative
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-29791-1

Job Description: Cooper Tank

For:
Gannett Fleming
100 Crossways Park West
Suite 300
Woodbury, NY 11797

Attention: Mr. Scott Narod

Approved for release.
Cheryl Cascella
Project Manager I
8/16/2011 4:35 PM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
08/16/2011

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

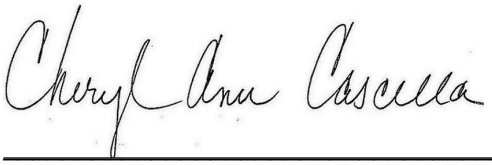
TestAmerica Laboratories, Inc.
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Number: 460-29791-1

Job Description: Cooper Tank

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Cheryl Cascella
Project Manager I
8/16/2011 4:35 PM

Designee for
Jackie Trudell

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FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

$$\frac{(Ax)(IS)(DF)}{(AIS)(RRF)(V)(\%\ solids)} = C$$

$$\frac{(AX)(IS)(VT)(1000)(DF)}{(AIS)(RRF)(VA)(V)(\%\ solids)} = C \quad \text{(for medium level soils)}$$

SemiVolatiles

$$\frac{(AX)(IS)(VE)(DF)(GPC\ factor\ is\ 2\ if\ needed)}{(AIS)(RRF)(volume\ injected)(V)(\%\ solids)} = C$$

Pesticides

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\%\ solids)(volume\ injected)} = C$$

PCBs for compound/retention time

$$\frac{(AX)(VE)(DF)}{(RRF\ of\ compound\ at\ the\ stated\ retention\ time)(V)(\%\ solids)(volume\ injected)} = C$$

DRO/CTETPH

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\%\ solids)(volume\ injected)} = C$$

AX = area of the target Ion
AIS = Area of Internal standard
C = concentration as ug/L or ug/Kg
DF = dilution
IS = Internal standard concentration (ng)
RRF = average RF (from initial cal except CLP methods from continuing cal)
V = sample volume for liquids in mls or sample weight for solids in grams
VA = volume of aliquot for medium level soils
VE = volume of concentrated extract
VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-29791-1	MW-SE-10	Water	08/08/2011 1050	08/10/2011 1000
460-29791-2	MW-SE-9	Water	08/08/2011 1225	08/10/2011 1000
460-29791-3	MW-SE-11	Water	08/08/2011 1343	08/10/2011 1000
460-29791-4	MW-SE-7	Water	08/08/2011 1515	08/10/2011 1000
460-29791-5	MW-SE-8	Water	08/08/2011 1625	08/10/2011 1000
460-29791-6	MW-X	Water	08/08/2011 1605	08/10/2011 1000
460-29791-7	Trip Blank	Water	08/08/2011 0000	08/10/2011 1000

EXECUTIVE SUMMARY - Detections

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-29791-1	**MW-SE-10**					
Chloroform		1.7		1.0	ug/L	8260B
Benzene		0.20	J	1.0	ug/L	8260B
Toluene		0.20	J	1.0	ug/L	8260B
Ethylbenzene		0.50	J	1.0	ug/L	8260B
Xylenes, Total		1.5	J	3.0	ug/L	8260B
m&p-Xylene		0.95	J	2.0	ug/L	8260B
o-Xylene		0.54	J	1.0	ug/L	8260B
Naphthalene		0.64	J	1.0	ug/L	8260B
1,2,4-Trimethylbenzene		2.1		1.0	ug/L	8260B
1,3,5-Trimethylbenzene		0.92	J	1.0	ug/L	8260B
Isopropylbenzene		0.27	J	1.0	ug/L	8260B
N-Propylbenzene		0.40	J	1.0	ug/L	8260B
n-Butylbenzene		0.49	J	1.0	ug/L	8260B
460-29791-2	**MW-SE-9**					
1,2-Dichloroethane		0.31	J	1.0	ug/L	8260B
Benzene		150		1.0	ug/L	8260B
Toluene		7.3		1.0	ug/L	8260B
Ethylbenzene		30		1.0	ug/L	8260B
Xylenes, Total		30		3.0	ug/L	8260B
m&p-Xylene		26		2.0	ug/L	8260B
o-Xylene		3.6		1.0	ug/L	8260B
MTBE		0.18	J	1.0	ug/L	8260B
Naphthalene		10		1.0	ug/L	8260B
1,2,4-Trimethylbenzene		51		1.0	ug/L	8260B
1,3,5-Trimethylbenzene		17		1.0	ug/L	8260B
Isopropylbenzene		91		1.0	ug/L	8260B
N-Propylbenzene		220		1.0	ug/L	8260B
p-Isopropyltoluene		1.9		1.0	ug/L	8260B
sec-Butylbenzene		27		1.0	ug/L	8260B
tert-Butylbenzene		1.5		1.0	ug/L	8260B
n-Butylbenzene		41		1.0	ug/L	8260B
460-29791-3	**MW-SE-11**					
Benzene		0.29	J	1.0	ug/L	8260B
Toluene		0.19	J	1.0	ug/L	8260B
Xylenes, Total		0.73	J	3.0	ug/L	8260B
m&p-Xylene		0.52	J	2.0	ug/L	8260B
o-Xylene		0.21	J	1.0	ug/L	8260B
N-Propylbenzene		0.28	J	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-29791-4	**MW-SE-7**					
Benzene		4700		25	ug/L	8260B
Toluene		590		25	ug/L	8260B
Ethylbenzene		2000		25	ug/L	8260B
Xylenes, Total		7000		75	ug/L	8260B
m&p-Xylene		6300		50	ug/L	8260B
o-Xylene		720		25	ug/L	8260B
Naphthalene		560		25	ug/L	8260B
1,2,4-Trimethylbenzene		1700		25	ug/L	8260B
1,3,5-Trimethylbenzene		430		25	ug/L	8260B
Isopropylbenzene		140		25	ug/L	8260B
N-Propylbenzene		230		25	ug/L	8260B
p-Isopropyltoluene		13	J	25	ug/L	8260B
sec-Butylbenzene		12	J	25	ug/L	8260B
Naphthalene		400		20	ug/L	8270C
460-29791-5	**MW-SE-8**					
Acetone		7.5	J	10	ug/L	8260B
Carbon disulfide		0.17	J	1.0	ug/L	8260B
Chloroform		6.5		1.0	ug/L	8260B
Benzene		100		1.0	ug/L	8260B
Toluene		10		1.0	ug/L	8260B
Ethylbenzene		130		1.0	ug/L	8260B
Xylenes, Total		73		3.0	ug/L	8260B
m&p-Xylene		69		2.0	ug/L	8260B
o-Xylene		4.4		1.0	ug/L	8260B
Naphthalene		93		1.0	ug/L	8260B
1,2,4-Trimethylbenzene		420		1.0	ug/L	8260B
1,3,5-Trimethylbenzene		82		1.0	ug/L	8260B
Isopropylbenzene		79		1.0	ug/L	8260B
N-Propylbenzene		120		1.0	ug/L	8260B
p-Isopropyltoluene		15		1.0	ug/L	8260B
sec-Butylbenzene		9.8		1.0	ug/L	8260B
tert-Butylbenzene		1.6		1.0	ug/L	8260B
n-Butylbenzene		22		1.0	ug/L	8260B
Naphthalene		62		10	ug/L	8270C
460-29791-7	**TRIP BLANK**					
Methylene Chloride		3.4		1.0	ug/L	8260B

METHOD SUMMARY

Client: Gannett Fleming

Job Number: 460-29791-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Gannett Fleming

Job Number: 460-29791-1

Method	Analyst	Analyst ID
SW846 8260B	Moroney, Christopher J	CJM
SW846 8270C	Asfaw, Abebaye A.	AAA
SW846 8270C	Crocco, Michael	MC

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-10**

Lab Sample ID: 460-29791-1
Client Matrix: Water

Date Sampled: 08/08/2011 1050
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37904.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1742			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1742				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.7		0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	0.20	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	0.20	J	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	0.50	J	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	1.5	J	0.43	3.0
m&p-Xylene	0.95	J	0.29	2.0
o-Xylene	0.54	J	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	0.64	J	0.60	1.0
1,2,4-Trimethylbenzene	2.1		0.20	1.0
1,3,5-Trimethylbenzene	0.92	J	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	0.27	J	0.21	1.0
N-Propylbenzene	0.40	J	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0
n-Butylbenzene	0.49	J	0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-10**

Lab Sample ID: 460-29791-1
Client Matrix: Water

Date Sampled: 08/08/2011 1050
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37904.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1742			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1742				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 122
Toluene-d8 (Surr)	100		69 - 125
Bromofluorobenzene	93		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-9**

Lab Sample ID: 460-29791-2
Client Matrix: Water

Date Sampled: 08/08/2011 1225
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37905.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1811			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1811				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	0.31	J	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	150		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	7.3		0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	30		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	30		0.43	3.0
m&p-Xylene	26		0.29	2.0
o-Xylene	3.6		0.15	1.0
MTBE	0.18	J	0.18	1.0
Naphthalene	10		0.60	1.0
1,2,4-Trimethylbenzene	51		0.20	1.0
1,3,5-Trimethylbenzene	17		0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	91		0.21	1.0
N-Propylbenzene	220		0.18	1.0
p-Isopropyltoluene	1.9		0.19	1.0
sec-Butylbenzene	27		0.20	1.0
tert-Butylbenzene	1.5		0.18	1.0
n-Butylbenzene	41		0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-9**

Lab Sample ID: 460-29791-2
Client Matrix: Water

Date Sampled: 08/08/2011 1225
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37905.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1811			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1811				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 122
Toluene-d8 (Surr)	99		69 - 125
Bromofluorobenzene	96		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-11**

Lab Sample ID: 460-29791-3
Client Matrix: Water

Date Sampled: 08/08/2011 1343
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37906.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1840			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	0.29	J	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	0.19	J	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	0.73	J	0.43	3.0
m&p-Xylene	0.52	J	0.29	2.0
o-Xylene	0.21	J	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	1.0	U	0.60	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
1,3,5-Trimethylbenzene	1.0	U	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.21	1.0
N-Propylbenzene	0.28	J	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0
n-Butylbenzene	1.0	U	0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-11**

Lab Sample ID: 460-29791-3
Client Matrix: Water

Date Sampled: 08/08/2011 1343
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37906.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1840			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1840				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 122
Toluene-d8 (Surr)	103		69 - 125
Bromofluorobenzene	92		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-7**

Lab Sample ID: 460-29791-4
Client Matrix: Water

Date Sampled: 08/08/2011 1515
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37896.d
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1351			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1351				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	25	U	5.3	25
Bromomethane	25	U	7.8	25
Vinyl chloride	25	U	3.3	25
Chloroethane	25	U	11	25
Methylene Chloride	25	U	4.8	25
Acetone	250	U	62	250
Carbon disulfide	25	U	3.8	25
1,1-Dichloroethene	25	U	3.5	25
1,1-Dichloroethane	25	U	2.5	25
trans-1,2-Dichloroethene	25	U	3.5	25
cis-1,2-Dichloroethene	25	U	5.0	25
Chloroform	25	U	3.8	25
1,2-Dichloroethane	25	U	6.0	25
2-Butanone	250	U	21	250
1,1,1-Trichloroethane	25	U	6.3	25
Carbon tetrachloride	25	U	4.8	25
Bromodichloromethane	25	U	2.3	25
1,2-Dichloropropane	25	U	2.3	25
cis-1,3-Dichloropropene	25	U	2.8	25
Trichloroethene	25	U	4.5	25
1,1,2-Trichloroethane	25	U	2.5	25
Benzene	4700		3.3	25
trans-1,3-Dichloropropene	25	U	3.0	25
Bromoform	25	U	2.5	25
Methyl isobutyl ketone (MIBK)	250	U	17	250
2-Hexanone	250	U	14	250
Tetrachloroethene	25	U	5.0	25
1,1,2,2-Tetrachloroethane	25	U	2.3	25
Toluene	590		2.3	25
Chlorobenzene	25	U	4.0	25
Ethylbenzene	2000		6.3	25
Styrene	25	U	3.3	25
Xylenes, Total	7000		11	75
m&p-Xylene	6300		7.3	50
o-Xylene	720		3.8	25
MTBE	25	U	4.5	25
Naphthalene	560		15	25
1,2,4-Trimethylbenzene	1700		5.0	25
1,3,5-Trimethylbenzene	430		4.8	25
Dibromomethane	25	U	4.8	25
Isopropylbenzene	140		5.3	25
N-Propylbenzene	230		4.5	25
p-Isopropyltoluene	13	J	4.8	25
sec-Butylbenzene	12	J	5.0	25
tert-Butylbenzene	25	U	4.5	25
n-Butylbenzene	25	U	7.5	25

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-7**

Lab Sample ID: 460-29791-4
Client Matrix: Water

Date Sampled: 08/08/2011 1515
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37896.d
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1351			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1351				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 122
Toluene-d8 (Surr)	102		69 - 125
Bromofluorobenzene	96		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-8**

Lab Sample ID: 460-29791-5
Client Matrix: Water

Date Sampled: 08/08/2011 1625
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37919.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 1056			Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 1056				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	7.5	J	2.5	10
Carbon disulfide	0.17	J	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	6.5		0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	100		0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	10		0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	130		0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	73		0.43	3.0
m&p-Xylene	69		0.29	2.0
o-Xylene	4.4		0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	93		0.60	1.0
1,2,4-Trimethylbenzene	420		0.20	1.0
1,3,5-Trimethylbenzene	82		0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	79		0.21	1.0
N-Propylbenzene	120		0.18	1.0
p-Isopropyltoluene	15		0.19	1.0
sec-Butylbenzene	9.8		0.20	1.0
tert-Butylbenzene	1.6		0.18	1.0
n-Butylbenzene	22		0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-8**

Lab Sample ID: 460-29791-5
Client Matrix: Water

Date Sampled: 08/08/2011 1625
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37919.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 1056			Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 1056				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		70 - 122
Toluene-d8 (Surr)	99		69 - 125
Bromofluorobenzene	97		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-29791-6
Client Matrix: Water

Date Sampled: 08/08/2011 1605
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37907.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1909			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1909				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0
m&p-Xylene	2.0	U	0.29	2.0
o-Xylene	1.0	U	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	1.0	U	0.60	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
1,3,5-Trimethylbenzene	1.0	U	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.21	1.0
N-Propylbenzene	1.0	U	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0
n-Butylbenzene	1.0	U	0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-29791-6
Client Matrix: Water

Date Sampled: 08/08/2011 1605
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37907.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1909			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1909				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		70 - 122
Toluene-d8 (Surr)	98		69 - 125
Bromofluorobenzene	95		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-29791-7
Client Matrix: Water

Date Sampled: 08/08/2011 0000
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37903.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1713			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1713				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	3.4		0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0
m&p-Xylene	2.0	U	0.29	2.0
o-Xylene	1.0	U	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	1.0	U	0.60	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
1,3,5-Trimethylbenzene	1.0	U	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.21	1.0
N-Propylbenzene	1.0	U	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0
n-Butylbenzene	1.0	U	0.30	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 460-29791-7
Client Matrix: Water

Date Sampled: 08/08/2011 0000
Date Received: 08/10/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	b37903.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1713			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1713				

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 122
Toluene-d8 (Surr)	99		69 - 125
Bromofluorobenzene	94		69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-10**

Lab Sample ID: 460-29791-1
Client Matrix: Water

Date Sampled: 08/08/2011 1050
Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17136.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1401			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	101		56 - 112
Phenol-d5	25		10 - 48
Terphenyl-d14	86		50 - 122
2,4,6-Tribromophenol	91		46 - 122
2-Fluorophenol	43		10 - 65
2-Fluorobiphenyl	94		53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-9**

Lab Sample ID: 460-29791-2
Client Matrix: Water

Date Sampled: 08/08/2011 1225
Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17137.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1425			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	98		56 - 112
Phenol-d5	24		10 - 48
Terphenyl-d14	82		50 - 122
2,4,6-Tribromophenol	91		46 - 122
2-Fluorophenol	42		10 - 65
2-Fluorobiphenyl	91		53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-11**

Lab Sample ID: 460-29791-3
Client Matrix: Water

Date Sampled: 08/08/2011 1343
Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17138.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1449			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	94		56 - 112
Phenol-d5	24		10 - 48
Terphenyl-d14	87		50 - 122
2,4,6-Tribromophenol	97		46 - 122
2-Fluorophenol	41		10 - 65
2-Fluorobiphenyl	87		53 - 108

Client: Gannett Fleming | Job Number: 460-29791-1

Client Sample ID: **MW-SE-7**

Lab Sample ID: 460-29791-4 | Date Sampled: 08/08/2011 1515
Client Matrix: Water | Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83098	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17166.d
Dilution:	2.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2011 1933			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	400		7.3	20
Acenaphthylene	20	U	8.1	20
Acenaphthene	20	U	7.5	20
Fluorene	20	U	6.5	20
Phenanthrene	20	U	7.1	20
Anthracene	20	U	7.1	20
Fluoranthene	20	U	5.3	20
Pyrene	20	U	8.5	20
Benzo[a]anthracene	2.0	U	0.54	2.0
Chrysene	20	U	7.5	20
Benzo[b]fluoranthene	2.0	U	0.42	2.0
Benzo[k]fluoranthene	2.0	U	0.60	2.0
Benzo[a]pyrene	2.0	U	0.36	2.0
Indeno[1,2,3-cd]pyrene	2.0	U	0.24	2.0
Dibenz(a,h)anthracene	2.0	U	0.32	2.0
Benzo[g,h,i]perylene	20	U	5.4	20

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	104		56 - 112
Phenol-d5	30		10 - 48
Terphenyl-d14	103		50 - 122
2,4,6-Tribromophenol	96		46 - 122
2-Fluorophenol	7	*	10 - 65
2-Fluorobiphenyl	96		53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Client Sample ID: **MW-SE-8**

Lab Sample ID: 460-29791-5
Client Matrix: Water

Date Sampled: 08/08/2011 1625
Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17140.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1536			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	62		3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	100		56 - 112
Phenol-d5	25		10 - 48
Terphenyl-d14	85		50 - 122
2,4,6-Tribromophenol	102		46 - 122
2-Fluorophenol	42		10 - 65
2-Fluorobiphenyl	91		53 - 108

Client: Gannett Fleming | Job Number: 460-29791-1

Client Sample ID: **MW-X**

Lab Sample ID: 460-29791-6 | Date Sampled: 08/08/2011 1605
Client Matrix: Water | Date Received: 08/10/2011 1000

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-82769	Lab File ID:	x17141.d
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1600			Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	10	U	3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	94		56 - 112
Phenol-d5	24		10 - 48
Terphenyl-d14	82		50 - 122
2,4,6-Tribromophenol	95		46 - 122
2-Fluorophenol	41		10 - 65
2-Fluorobiphenyl	87		53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-29791-1	MW-SE-10	105	100	93
460-29791-2	MW-SE-9	106	99	96
460-29791-3	MW-SE-11	104	103	92
460-29791-4	MW-SE-7	104	102	96
460-29791-5	MW-SE-8	108	99	97
460-29791-6	MW-X	106	98	95
460-29791-7	Trip Blank	105	99	94
MB 460-82910/4		103	101	92
MB 460-83056/4		104	98	96
LCS 460-82910/3		98	99	97
LCS 460-83056/3		99	102	99
460-29791-4 MS	MW-SE-7 MS	103	101	97
460-29791-4 MSD	MW-SE-7 MSD	103	102	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-122
TOL = Toluene-d8 (Surr)	69-125
BFB = Bromofluorobenzene	69-135

Client: Gannett Fleming

Job Number: 460-29791-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-29791-1	MW-SE-10	43	25	101	94	91	86
460-29791-2	MW-SE-9	42	24	98	91	91	82
460-29791-3	MW-SE-11	41	24	94	87	97	87
460-29791-4	MW-SE-7	7*	30	104	96	96	103
460-29791-5	MW-SE-8	42	25	100	91	102	85
460-29791-6	MW-X	41	24	94	87	95	82
MB 460-82769/1-A		51	31	102	92	92	82
LCS 460-82769/2-A		52	30	95	85	84	87
LCSD 460-82769/3-A		50	28	91	85	83	82

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Method Blank - Batch: 460-82910

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-82910/4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37895.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1322	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1322				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0
m&p-Xylene	2.0	U	0.29	2.0
o-Xylene	1.0	U	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	1.0	U	0.60	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
1,3,5-Trimethylbenzene	1.0	U	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.21	1.0
N-Propylbenzene	1.0	U	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Method Blank - Batch: 460-82910

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-82910/4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37895.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1322	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1322				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Butylbenzene	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	70 - 122
Toluene-d8 (Surr)	101	69 - 125
Bromofluorobenzene	92	69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Control Sample - Batch: 460-82910

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-82910/3	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37893.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1208	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1208				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	20.5	102	58 - 146	
Bromomethane	20.0	18.3	92	55 - 153	
Vinyl chloride	20.0	21.0	105	61 - 144	
Chloroethane	20.0	21.8	109	69 - 145	
Methylene Chloride	20.0	19.6	98	79 - 119	
Acetone	20.0	14.7	74	45 - 156	
Carbon disulfide	20.0	20.9	104	58 - 139	
1,1-Dichloroethene	20.0	21.3	107	56 - 139	
1,1-Dichloroethane	20.0	20.7	103	78 - 122	
trans-1,2-Dichloroethene	20.0	20.2	101	75 - 122	
cis-1,2-Dichloroethene	20.0	20.9	105	80 - 120	
Chloroform	20.0	20.8	104	82 - 123	
1,2-Dichloroethane	20.0	20.6	103	74 - 118	
2-Butanone	20.0	14.2	71	65 - 114	
1,1,1-Trichloroethane	20.0	20.8	104	74 - 128	
Carbon tetrachloride	20.0	21.8	109	73 - 120	
Bromodichloromethane	20.0	19.4	97	79 - 119	
1,2-Dichloropropane	20.0	18.8	94	80 - 120	
cis-1,3-Dichloropropene	20.0	18.6	93	80 - 120	
Trichloroethene	20.0	19.9	100	78 - 119	
1,1,2-Trichloroethane	20.0	17.7	88	79 - 119	
Benzene	20.0	21.4	107	83 - 124	
trans-1,3-Dichloropropene	20.0	16.4	82	78 - 118	
Bromoform	20.0	18.5	92	73 - 123	
Methyl isobutyl ketone (MIBK)	20.0	15.5	77	53 - 120	
2-Hexanone	20.0	10.8	54	53 - 121	
Tetrachloroethene	20.0	21.5	108	68 - 139	
1,1,2,2-Tetrachloroethane	20.0	16.6	83	74 - 126	
Toluene	20.0	19.7	99	80 - 120	
Chlorobenzene	20.0	20.3	101	81 - 121	
Ethylbenzene	20.0	21.0	105	79 - 126	
Styrene	20.0	21.3	106	69 - 112	
Xylenes, Total	60.0	64.3	107	76 - 121	
m&p-Xylene	40.0	43.2	108	76 - 120	
o-Xylene	20.0	21.1	105	78 - 118	
MTBE	20.0	18.0	90	71 - 115	
Naphthalene	20.0	16.2	81	69 - 126	
1,2,4-Trimethylbenzene	20.0	20.6	103	68 - 120	
1,3,5-Trimethylbenzene	20.0	19.9	99	69 - 118	
Dibromomethane	20.0	19.0	95	79 - 119	
Isopropylbenzene	20.0	23.3	117	80 - 125	
N-Propylbenzene	20.0	20.6	103	67 - 130	
p-Isopropyltoluene	20.0	22.8	114	47 - 138	
sec-Butylbenzene	20.0	22.3	111	64 - 124	
tert-Butylbenzene	20.0	20.2	101	65 - 116	
n-Butylbenzene	20.0	21.6	108	77 - 129	

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Control Sample - Batch: 460-82910

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-82910/3	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37893.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1208	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1208				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 122
Toluene-d8 (Surr)	99	69 - 125
Bromofluorobenzene	97	69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-82910

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-29791-4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37897.d
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1420			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1420				
Leach Date:	N/A				

MSD Lab Sample ID:	460-29791-4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37898.d
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1449			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1449				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloromethane	89	93	58 - 146	5	30		
Bromomethane	86	88	55 - 153	2	30		
Vinyl chloride	101	107	61 - 144	6	30		
Chloroethane	98	99	69 - 145	0	30		
Methylene Chloride	101	104	79 - 119	3	30		
Acetone	92	100	45 - 156	9	30		
Carbon disulfide	94	97	58 - 139	4	30		
1,1-Dichloroethene	86	96	56 - 139	10	30		
1,1-Dichloroethane	95	99	78 - 122	4	30		
trans-1,2-Dichloroethene	92	96	75 - 122	5	30		
cis-1,2-Dichloroethene	89	98	80 - 120	10	30		
Chloroform	94	98	82 - 123	4	30		
1,2-Dichloroethane	100	102	74 - 118	2	30		
2-Butanone	91	92	65 - 114	1	30		
1,1,1-Trichloroethane	94	100	74 - 128	5	30		
Carbon tetrachloride	99	104	73 - 120	5	30		
Bromodichloromethane	92	95	79 - 119	3	30		
1,2-Dichloropropane	91	96	80 - 120	5	30		
cis-1,3-Dichloropropene	88	93	80 - 120	5	30		
Trichloroethene	94	96	78 - 119	2	30		
1,1,2-Trichloroethane	89	93	79 - 119	4	30		
Benzene	44	80	83 - 124	4	30	*	*
trans-1,3-Dichloropropene	83	87	78 - 118	5	30		
Bromoform	92	92	73 - 123	0	30		
Methyl isobutyl ketone (MIBK)	89	90	53 - 120	1	30		
2-Hexanone	66	67	53 - 121	1	30		
Tetrachloroethene	101	106	68 - 139	4	30		
1,1,2,2-Tetrachloroethane	90	93	74 - 126	3	30		
Toluene	87	97	80 - 120	5	30		
Chlorobenzene	93	97	81 - 121	4	30		
Ethylbenzene	78	101	79 - 126	5	30	*	
Styrene	102	104	69 - 112	1	30		
Xylenes, Total	77	92	76 - 121	3	30		

Client: Gannett Fleming

Job Number: 460-29791-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-82910

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-29791-4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37897.d
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1420			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1420				
Leach Date:	N/A				

MSD Lab Sample ID:	460-29791-4	Analysis Batch:	460-82910	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37898.d
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/12/2011 1449			Final Weight/Volume:	5 mL
Prep Date:	08/12/2011 1449				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
m&p-Xylene	70	88	76 - 120	3	30	*	
o-Xylene	92	100	78 - 118	3	30		
MTBE	92	94	71 - 115	2	30		
Naphthalene	100	103	69 - 126	1	30		
1,2,4-Trimethylbenzene	74	91	68 - 120	4	30		
1,3,5-Trimethylbenzene	89	100	69 - 118	6	30		
Dibromomethane	93	97	79 - 119	4	30		
Isopropylbenzene	105	110	80 - 125	4	30		
N-Propylbenzene	96	102	67 - 130	4	30		
p-Isopropyltoluene	109	113	47 - 138	4	30		
sec-Butylbenzene	104	111	64 - 124	6	30		
tert-Butylbenzene	97	103	65 - 116	6	30		
n-Butylbenzene	111	116	77 - 129	4	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	103	70 - 122
Toluene-d8 (Surr)	101	102	69 - 125
Bromofluorobenzene	97	97	69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-82910

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-29791-4	Units:	ug/L	MSD Lab Sample ID:	460-29791-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	25			Dilution:	25
Analysis Date:	08/12/2011 1420			Analysis Date:	08/12/2011 1449
Prep Date:	08/12/2011 1420			Prep Date:	08/12/2011 1449
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Chloromethane	25	U	500	500	444		465	
Bromomethane	25	U	500	500	430		440	
Vinyl chloride	25	U	500	500	503		534	
Chloroethane	25	U	500	500	491		493	
Methylene Chloride	25	U	500	500	505		520	
Acetone	250	U	500	500	459		502	
Carbon disulfide	25	U	500	500	469		487	
1,1-Dichloroethene	25	U	500	500	430		478	
1,1-Dichloroethane	25	U	500	500	475		494	
trans-1,2-Dichloroethene	25	U	500	500	459		482	
cis-1,2-Dichloroethene	25	U	500	500	445		490	
Chloroform	25	U	500	500	470		490	
1,2-Dichloroethane	25	U	500	500	500		512	
2-Butanone	250	U	500	500	454		460	
1,1,1-Trichloroethane	25	U	500	500	472		499	
Carbon tetrachloride	25	U	500	500	494		521	
Bromodichloromethane	25	U	500	500	462		474	
1,2-Dichloropropane	25	U	500	500	454		478	
cis-1,3-Dichloropropene	25	U	500	500	441		464	
Trichloroethene	25	U	500	500	469		480	
1,1,2-Trichloroethane	25	U	500	500	445		465	
Benzene	4700		500	500	4900	*	5090	*
trans-1,3-Dichloropropene	25	U	500	500	413		434	
Bromoform	25	U	500	500	459		460	
Methyl isobutyl ketone (MIBK)	250	U	500	500	447		451	
2-Hexanone	250	U	500	500	330		334	
Tetrachloroethene	25	U	500	500	506		528	
1,1,2,2-Tetrachloroethane	25	U	500	500	451		465	
Toluene	590		500	500	1030		1080	
Chlorobenzene	25	U	500	500	465		485	
Ethylbenzene	2000		500	500	2440	*	2560	
Styrene	25	U	500	500	512		520	
Xylenes, Total	7000		1500	1500	8160		8380	
m&p-Xylene	6300		1000	1000	6980	*	7160	
o-Xylene	720		500	500	1180		1220	
MTBE	25	U	500	500	458		468	
Naphthalene	560		500	500	1060		1080	
1,2,4-Trimethylbenzene	1700		500	500	2050		2130	
1,3,5-Trimethylbenzene	430		500	500	874		932	
Dibromomethane	25	U	500	500	464		484	
Isopropylbenzene	140		500	500	661		686	
N-Propylbenzene	230		500	500	709		739	
p-Isopropyltoluene	13	J	500	500	556		579	

Client: Gannett Fleming

Job Number: 460-29791-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-82910

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-29791-4	Units: ug/L	
Client Matrix:	Water		
Dilution:	25		
Analysis Date:	08/12/2011 1420		
Prep Date:	08/12/2011 1420		
Leach Date:	N/A		

MSD Lab Sample ID:	460-29791-4
Client Matrix:	Water
Dilution:	25
Analysis Date:	08/12/2011 1449
Prep Date:	08/12/2011 1449
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
sec-Butylbenzene	12	J	500	500	534	566
tert-Butylbenzene	25	U	500	500	485	515
n-Butylbenzene	25	U	500	500	556	581

Client: Gannett Fleming

Job Number: 460-29791-1

Method Blank - Batch: 460-83056

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-83056/4	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37917.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 0958	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 0958				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Acetone	10	U	2.5	10
Carbon disulfide	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
2-Butanone	10	U	0.82	10
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
Benzene	1.0	U	0.13	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
Bromoform	1.0	U	0.10	1.0
Methyl isobutyl ketone (MIBK)	10	U	0.68	10
2-Hexanone	10	U	0.55	10
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Toluene	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
Ethylbenzene	1.0	U	0.25	1.0
Styrene	1.0	U	0.13	1.0
Xylenes, Total	3.0	U	0.43	3.0
m&p-Xylene	2.0	U	0.29	2.0
o-Xylene	1.0	U	0.15	1.0
MTBE	1.0	U	0.18	1.0
Naphthalene	1.0	U	0.60	1.0
1,2,4-Trimethylbenzene	1.0	U	0.20	1.0
1,3,5-Trimethylbenzene	1.0	U	0.19	1.0
Dibromomethane	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.21	1.0
N-Propylbenzene	1.0	U	0.18	1.0
p-Isopropyltoluene	1.0	U	0.19	1.0
sec-Butylbenzene	1.0	U	0.20	1.0
tert-Butylbenzene	1.0	U	0.18	1.0

Client: Gannett Fleming

Job Number: 460-29791-1

Method Blank - Batch: 460-83056

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-83056/4	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37917.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 0958	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 0958				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
n-Butylbenzene	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	70 - 122
Toluene-d8 (Surr)	98	69 - 125
Bromofluorobenzene	96	69 - 135

Lab Control Sample - Batch: 460-83056

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-83056/3	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37915.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 0846	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 0846				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	20.1	100	58 - 146	
Bromomethane	20.0	21.7	108	55 - 153	
Vinyl chloride	20.0	20.9	105	61 - 144	
Chloroethane	20.0	21.2	106	69 - 145	
Methylene Chloride	20.0	20.2	101	79 - 119	
Acetone	20.0	16.0	80	45 - 156	
Carbon disulfide	20.0	21.6	108	58 - 139	
1,1-Dichloroethene	20.0	20.1	100	56 - 139	
1,1-Dichloroethane	20.0	20.5	103	78 - 122	
trans-1,2-Dichloroethene	20.0	20.9	105	75 - 122	
cis-1,2-Dichloroethene	20.0	20.9	105	80 - 120	
Chloroform	20.0	21.0	105	82 - 123	
1,2-Dichloroethane	20.0	21.0	105	74 - 118	
2-Butanone	20.0	17.4	87	65 - 114	
1,1,1-Trichloroethane	20.0	21.1	106	74 - 128	
Carbon tetrachloride	20.0	21.8	109	73 - 120	
Bromodichloromethane	20.0	20.7	103	79 - 119	
1,2-Dichloropropane	20.0	19.9	99	80 - 120	
cis-1,3-Dichloropropene	20.0	21.2	106	80 - 120	
Trichloroethene	20.0	20.5	102	78 - 119	
1,1,2-Trichloroethane	20.0	19.5	97	79 - 119	
Benzene	20.0	21.7	109	83 - 124	
trans-1,3-Dichloropropene	20.0	19.1	96	78 - 118	
Bromoform	20.0	20.0	100	73 - 123	
Methyl isobutyl ketone (MIBK)	20.0	18.6	93	53 - 120	
2-Hexanone	20.0	13.4	67	53 - 121	
Tetrachloroethene	20.0	22.0	110	68 - 139	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	74 - 126	
Toluene	20.0	20.7	103	80 - 120	
Chlorobenzene	20.0	21.0	105	81 - 121	
Ethylbenzene	20.0	20.9	105	79 - 126	
Styrene	20.0	21.6	108	69 - 112	
Xylenes, Total	60.0	64.8	108	76 - 121	
m&p-Xylene	40.0	43.2	108	76 - 120	
o-Xylene	20.0	21.6	108	78 - 118	
MTBE	20.0	21.1	106	71 - 115	
Naphthalene	20.0	18.7	94	69 - 126	
1,2,4-Trimethylbenzene	20.0	21.5	107	68 - 120	
1,3,5-Trimethylbenzene	20.0	20.9	105	69 - 118	
Dibromomethane	20.0	20.6	103	79 - 119	
Isopropylbenzene	20.0	22.5	112	80 - 125	
N-Propylbenzene	20.0	21.2	106	67 - 130	
p-Isopropyltoluene	20.0	23.4	117	47 - 138	
sec-Butylbenzene	20.0	23.0	115	64 - 124	
tert-Butylbenzene	20.0	21.5	108	65 - 116	
n-Butylbenzene	20.0	22.3	111	77 - 129	

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Control Sample - Batch: 460-83056

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-83056/3	Analysis Batch:	460-83056	Instrument ID:	VOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	b37915.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2011 0846	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/15/2011 0846				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 122
Toluene-d8 (Surr)	102	69 - 125
Bromofluorobenzene	99	69 - 135

Client: Gannett Fleming

Job Number: 460-29791-1

Method Blank - Batch: 460-82769

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-82769/1-A	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-82769	Lab File ID:	x17131.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1200	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Naphthalene	10	U	3.7	10
Acenaphthylene	10	U	4.0	10
Acenaphthene	10	U	3.8	10
Fluorene	10	U	3.3	10
Phenanthrene	10	U	3.6	10
Anthracene	10	U	3.6	10
Fluoranthene	10	U	2.6	10
Pyrene	10	U	4.3	10
Benzo[a]anthracene	1.0	U	0.27	1.0
Chrysene	10	U	3.8	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.30	1.0
Benzo[a]pyrene	1.0	U	0.18	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.12	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	2.7	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	102	56 - 112
Phenol-d5	31	10 - 48
Terphenyl-d14	82	50 - 122
2,4,6-Tribromophenol	92	46 - 122
2-Fluorophenol	51	10 - 65
2-Fluorobiphenyl	92	53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-82769

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-82769/2-A	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-82769	Lab File ID:	x17134.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1314	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-82769/3-A	Analysis Batch:	460-83011	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-82769	Lab File ID:	x17135.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/12/2011 1338	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/11/2011 1346			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	90	88	63 - 101	2	30		
Acenaphthylene	89	86	67 - 107	3	30		
Acenaphthene	94	90	66 - 108	5	30		
Fluorene	86	84	68 - 105	2	30		
Phenanthrene	92	90	68 - 110	2	30		
Anthracene	90	89	68 - 108	1	30		
Fluoranthene	88	89	68 - 108	1	30		
Pyrene	91	87	61 - 110	5	30		
Benzo[a]anthracene	91	87	65 - 106	4	30		
Chrysene	90	86	68 - 112	4	30		
Benzo[b]fluoranthene	99	92	65 - 111	7	30		
Benzo[k]fluoranthene	92	93	66 - 114	1	30		
Benzo[a]pyrene	94	90	58 - 101	4	30		
Indeno[1,2,3-cd]pyrene	83	82	68 - 121	1	30		
Dibenz(a,h)anthracene	99	95	67 - 124	4	30		
Benzo[g,h,i]perylene	94	94	65 - 134	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	95	91	56 - 112
Phenol-d5	30	28	10 - 48
Terphenyl-d14	87	82	50 - 122
2,4,6-Tribromophenol	84	83	46 - 122
2-Fluorophenol	52	50	10 - 65
2-Fluorobiphenyl	85	85	53 - 108

Client: Gannett Fleming

Job Number: 460-29791-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-82769

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-82769/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 460-82769/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/12/2011 1314			Analysis Date:	08/12/2011 1338
Prep Date:	08/11/2011 1346			Prep Date:	08/11/2011 1346
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Naphthalene	100	100	89.8	88.2
Acenaphthylene	100	100	88.7	86.1
Acenaphthene	100	100	94.2	89.8
Fluorene	100	100	85.6	83.5
Phenanthrene	100	100	91.5	89.8
Anthracene	100	100	90.5	89.2
Fluoranthene	100	100	88.3	89.4
Pyrene	100	100	91.4	86.7
Benzo[a]anthracene	100	100	90.7	87.4
Chrysene	100	100	89.5	85.8
Benzo[b]fluoranthene	100	100	99.2	92.3
Benzo[k]fluoranthene	100	100	92.0	93.3
Benzo[a]pyrene	100	100	93.8	90.0
Indeno[1,2,3-cd]pyrene	100	100	83.4	82.4
Dibenz(a,h)anthracene	100	100	99.1	94.8
Benzo[g,h,i]perylene	100	100	93.9	94.1

DATA REPORTING QUALIFIERS

Client: Gannett Fleming

Job Number: 460-29791-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	MS or MSD exceeds the control limits
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	*	Surrogate exceeds the control limit

Client: Gannett Fleming

Job Number: 460-29791-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-82910					
LCS 460-82910/3	Lab Control Sample	T	Water	8260B	
MB 460-82910/4	Method Blank	T	Water	8260B	
460-29791-1	MW-SE-10	T	Water	8260B	
460-29791-2	MW-SE-9	T	Water	8260B	
460-29791-3	MW-SE-11	T	Water	8260B	
460-29791-4	MW-SE-7	T	Water	8260B	
460-29791-4MS	Matrix Spike	T	Water	8260B	
460-29791-4MSD	Matrix Spike Duplicate	T	Water	8260B	
460-29791-6	MW-X	T	Water	8260B	
460-29791-7	Trip Blank	T	Water	8260B	
Analysis Batch:460-83056					
LCS 460-83056/3	Lab Control Sample	T	Water	8260B	
MB 460-83056/4	Method Blank	T	Water	8260B	
460-29791-5	MW-SE-8	T	Water	8260B	

Report Basis
T = Total

Client: Gannett Fleming

Job Number: 460-29791-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-82769					
LCS 460-82769/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-82769/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-82769/1-A	Method Blank	T	Water	3510C	
460-29791-1	MW-SE-10	T	Water	3510C	
460-29791-2	MW-SE-9	T	Water	3510C	
460-29791-3	MW-SE-11	T	Water	3510C	
460-29791-4	MW-SE-7	T	Water	3510C	
460-29791-5	MW-SE-8	T	Water	3510C	
460-29791-6	MW-X	T	Water	3510C	
Analysis Batch:460-83011					
LCS 460-82769/2-A	Lab Control Sample	T	Water	8270C	460-82769
LCSD 460-82769/3-A	Lab Control Sample Duplicate	T	Water	8270C	460-82769
MB 460-82769/1-A	Method Blank	T	Water	8270C	460-82769
460-29791-1	MW-SE-10	T	Water	8270C	460-82769
460-29791-2	MW-SE-9	T	Water	8270C	460-82769
460-29791-3	MW-SE-11	T	Water	8270C	460-82769
460-29791-5	MW-SE-8	T	Water	8270C	460-82769
460-29791-6	MW-X	T	Water	8270C	460-82769
Analysis Batch:460-83098					
460-29791-4	MW-SE-7	T	Water	8270C	460-82769

Report Basis
T = Total

Client: Gannett Fleming Job Number: 460-29791-1

Laboratory Chronicle

Lab ID: 460-29791-1 **Client ID: MW-SE-10**

Sample Date/Time: 08/08/2011 10:50 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-1		460-82910		08/12/2011 17:42	1	TAL EDI	CJM
A:8260B	460-29791-B-1		460-82910		08/12/2011 17:42	1	TAL EDI	CJM
P:3510C	460-29791-E-1-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	460-29791-E-1-A		460-83011	460-82769	08/12/2011 14:01	1	TAL EDI	AAA

Lab ID: 460-29791-2 **Client ID: MW-SE-9**

Sample Date/Time: 08/08/2011 12:25 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-2		460-82910		08/12/2011 18:11	1	TAL EDI	CJM
A:8260B	460-29791-B-2		460-82910		08/12/2011 18:11	1	TAL EDI	CJM
P:3510C	460-29791-E-2-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	460-29791-E-2-A		460-83011	460-82769	08/12/2011 14:25	1	TAL EDI	AAA

Lab ID: 460-29791-3 **Client ID: MW-SE-11**

Sample Date/Time: 08/08/2011 13:43 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-3		460-82910		08/12/2011 18:40	1	TAL EDI	CJM
A:8260B	460-29791-B-3		460-82910		08/12/2011 18:40	1	TAL EDI	CJM
P:3510C	460-29791-E-3-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	460-29791-E-3-A		460-83011	460-82769	08/12/2011 14:49	1	TAL EDI	AAA

Lab ID: 460-29791-4 **Client ID: MW-SE-7**

Sample Date/Time: 08/08/2011 15:15 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-4		460-82910		08/12/2011 13:51	25	TAL EDI	CJM
A:8260B	460-29791-B-4		460-82910		08/12/2011 13:51	25	TAL EDI	CJM
P:3510C	460-29791-D-4-A		460-83098	460-82769	08/11/2011 13:46	2	TAL EDI	MC
A:8270C	460-29791-D-4-A		460-83098	460-82769	08/14/2011 19:33	2	TAL EDI	MC

Lab ID: 460-29791-4 MS **Client ID: MW-SE-7**

Sample Date/Time: 08/08/2011 15:15 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-4 MS		460-82910		08/12/2011 14:20	25	TAL EDI	CJM
A:8260B	460-29791-B-4 MS		460-82910		08/12/2011 14:20	25	TAL EDI	CJM

Client: Gannett Fleming Job Number: 460-29791-1

Laboratory Chronicle

Lab ID: 460-29791-4 MSD **Client ID:** MW-SE-7

Sample Date/Time: 08/08/2011 15:15 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-4 MSD		460-82910		08/12/2011 14:49	25	TAL EDI	CJM
A:8260B	460-29791-B-4 MSD		460-82910		08/12/2011 14:49	25	TAL EDI	CJM

Lab ID: 460-29791-5 **Client ID:** MW-SE-8

Sample Date/Time: 08/08/2011 16:25 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-A-5		460-83056		08/15/2011 10:56	1	TAL EDI	CJM
A:8260B	460-29791-A-5		460-83056		08/15/2011 10:56	1	TAL EDI	CJM
P:3510C	460-29791-D-5-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	460-29791-D-5-A		460-83011	460-82769	08/12/2011 15:36	1	TAL EDI	AAA

Lab ID: 460-29791-6 **Client ID:** MW-X

Sample Date/Time: 08/08/2011 16:05 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-6		460-82910		08/12/2011 19:09	1	TAL EDI	CJM
A:8260B	460-29791-B-6		460-82910		08/12/2011 19:09	1	TAL EDI	CJM
P:3510C	460-29791-D-6-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	460-29791-D-6-A		460-83011	460-82769	08/12/2011 16:00	1	TAL EDI	AAA

Lab ID: 460-29791-7 **Client ID:** Trip Blank

Sample Date/Time: 08/08/2011 00:00 Received Date/Time: 08/10/2011 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-29791-B-7		460-82910		08/12/2011 17:13	1	TAL EDI	CJM
A:8260B	460-29791-B-7		460-82910		08/12/2011 17:13	1	TAL EDI	CJM

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 460-82910/4		460-82910		08/12/2011 13:22	1	TAL EDI	CJM
A:8260B	MB 460-82910/4		460-82910		08/12/2011 13:22	1	TAL EDI	CJM
P:5030B	MB 460-83056/4		460-83056		08/15/2011 09:58	1	TAL EDI	CJM
A:8260B	MB 460-83056/4		460-83056		08/15/2011 09:58	1	TAL EDI	CJM
P:3510C	MB 460-82769/1-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	MB 460-82769/1-A		460-83011	460-82769	08/12/2011 12:00	1	TAL EDI	AAA

Client: Gannett Fleming

Job Number: 460-29791-1

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 460-82910/3		460-82910		08/12/2011 12:08	1	TAL EDI	CJM
A:8260B	LCS 460-82910/3		460-82910		08/12/2011 12:08	1	TAL EDI	CJM
P:5030B	LCS 460-83056/3		460-83056		08/15/2011 08:46	1	TAL EDI	CJM
A:8260B	LCS 460-83056/3		460-83056		08/15/2011 08:46	1	TAL EDI	CJM
P:3510C	LCS 460-82769/2-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	LCS 460-82769/2-A		460-83011	460-82769	08/12/2011 13:14	1	TAL EDI	AAA

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 460-82769/3-A		460-83011	460-82769	08/11/2011 13:46	1	TAL EDI	MC
A:8270C	LCSD 460-82769/3-A		460-83011	460-82769	08/12/2011 13:38	1	TAL EDI	AAA

Lab References:

TAL EDI = TestAmerica Edison

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-SE-10	460-29791-1	105	100	93
MW-SE-9	460-29791-2	106	99	96
MW-SE-11	460-29791-3	104	103	92
MW-SE-7	460-29791-4	104	102	96
MW-SE-8	460-29791-5	108	99	97
MW-X	460-29791-6	106	98	95
Trip Blank	460-29791-7	105	99	94
	MB 460-82910/4	103	101	92
	MB 460-83056/4	104	98	96
	LCS 460-82910/3	98	99	97
	LCS 460-83056/3	99	102	99
MW-SE-7 MS	460-29791-4 MS	103	101	97
MW-SE-7 MSD	460-29791-4 MSD	103	102	97

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-122
TOL = Toluene-d8 (Surr)	69-125
BFB = Bromofluorobenzene	69-135

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37893.d

Lab ID: LCS 460-82910/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	20.5	102	58-146	
Bromomethane	20.0	18.3	92	55-153	
Vinyl chloride	20.0	21.0	105	61-144	
Chloroethane	20.0	21.8	109	69-145	
Methylene Chloride	20.0	19.6	98	79-119	
Acetone	20.0	14.7	74	45-156	
Carbon disulfide	20.0	20.9	104	58-139	
1,1-Dichloroethene	20.0	21.3	107	56-139	
1,1-Dichloroethane	20.0	20.7	103	78-122	
trans-1,2-Dichloroethene	20.0	20.2	101	75-122	
cis-1,2-Dichloroethene	20.0	20.9	105	80-120	
Chloroform	20.0	20.8	104	82-123	
1,2-Dichloroethane	20.0	20.6	103	74-118	
2-Butanone	20.0	14.2	71	65-114	
1,1,1-Trichloroethane	20.0	20.8	104	74-128	
Carbon tetrachloride	20.0	21.8	109	73-120	
Bromodichloromethane	20.0	19.4	97	79-119	
1,2-Dichloropropane	20.0	18.8	94	80-120	
cis-1,3-Dichloropropene	20.0	18.6	93	80-120	
Trichloroethene	20.0	19.9	100	78-119	
1,1,2-Trichloroethane	20.0	17.7	88	79-119	
Benzene	20.0	21.4	107	83-124	
trans-1,3-Dichloropropene	20.0	16.4	82	78-118	
Bromoform	20.0	18.5	92	73-123	
Methyl isobutyl ketone (MIBK)	20.0	15.5	77	53-120	
2-Hexanone	20.0	10.8	54	53-121	
Tetrachloroethene	20.0	21.5	108	68-139	
1,1,2,2-Tetrachloroethane	20.0	16.6	83	74-126	
Toluene	20.0	19.7	99	80-120	
Chlorobenzene	20.0	20.3	101	81-121	
Ethylbenzene	20.0	21.0	105	79-126	
Styrene	20.0	21.3	106	69-112	
Xylenes, Total	60.0	64.3	107	76-121	
m&p-Xylene	40.0	43.2	108	76-120	
o-Xylene	20.0	21.1	105	78-118	
MTBE	20.0	18.0	90	71-115	
Naphthalene	20.0	16.2	81	69-126	
1,2,4-Trimethylbenzene	20.0	20.6	103	68-120	
1,3,5-Trimethylbenzene	20.0	19.9	99	69-118	
Dibromomethane	20.0	19.0	95	79-119	
Isopropylbenzene	20.0	23.3	117	80-125	
N-Propylbenzene	20.0	20.6	103	67-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37893.d

Lab ID: LCS 460-82910/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	20.0	22.8	114	47-138	
sec-Butylbenzene	20.0	22.3	111	64-124	
tert-Butylbenzene	20.0	20.2	101	65-116	
n-Butylbenzene	20.0	21.6	108	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37915.d

Lab ID: LCS 460-83056/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	20.1	100	58-146	
Bromomethane	20.0	21.7	108	55-153	
Vinyl chloride	20.0	20.9	105	61-144	
Chloroethane	20.0	21.2	106	69-145	
Methylene Chloride	20.0	20.2	101	79-119	
Acetone	20.0	16.0	80	45-156	
Carbon disulfide	20.0	21.6	108	58-139	
1,1-Dichloroethene	20.0	20.1	100	56-139	
1,1-Dichloroethane	20.0	20.5	103	78-122	
trans-1,2-Dichloroethene	20.0	20.9	105	75-122	
cis-1,2-Dichloroethene	20.0	20.9	105	80-120	
Chloroform	20.0	21.0	105	82-123	
1,2-Dichloroethane	20.0	21.0	105	74-118	
2-Butanone	20.0	17.4	87	65-114	
1,1,1-Trichloroethane	20.0	21.1	106	74-128	
Carbon tetrachloride	20.0	21.8	109	73-120	
Bromodichloromethane	20.0	20.7	103	79-119	
1,2-Dichloropropane	20.0	19.9	99	80-120	
cis-1,3-Dichloropropene	20.0	21.2	106	80-120	
Trichloroethene	20.0	20.5	102	78-119	
1,1,2-Trichloroethane	20.0	19.5	97	79-119	
Benzene	20.0	21.7	109	83-124	
trans-1,3-Dichloropropene	20.0	19.1	96	78-118	
Bromoform	20.0	20.0	100	73-123	
Methyl isobutyl ketone (MIBK)	20.0	18.6	93	53-120	
2-Hexanone	20.0	13.4	67	53-121	
Tetrachloroethene	20.0	22.0	110	68-139	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	74-126	
Toluene	20.0	20.7	103	80-120	
Chlorobenzene	20.0	21.0	105	81-121	
Ethylbenzene	20.0	20.9	105	79-126	
Styrene	20.0	21.6	108	69-112	
Xylenes, Total	60.0	64.8	108	76-121	
m&p-Xylene	40.0	43.2	108	76-120	
o-Xylene	20.0	21.6	108	78-118	
MTBE	20.0	21.1	106	71-115	
Naphthalene	20.0	18.7	94	69-126	
1,2,4-Trimethylbenzene	20.0	21.5	107	68-120	
1,3,5-Trimethylbenzene	20.0	20.9	105	69-118	
Dibromomethane	20.0	20.6	103	79-119	
Isopropylbenzene	20.0	22.5	112	80-125	
N-Propylbenzene	20.0	21.2	106	67-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37915.d

Lab ID: LCS 460-83056/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
p-Isopropyltoluene	20.0	23.4	117	47-138	
sec-Butylbenzene	20.0	23.0	115	64-124	
tert-Butylbenzene	20.0	21.5	108	65-116	
n-Butylbenzene	20.0	22.3	111	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37897.d

Lab ID: 460-29791-4 MS Client ID: MW-SE-7 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	500	25 U	444	89	58-146	
Bromomethane	500	25 U	430	86	55-153	
Vinyl chloride	500	25 U	503	101	61-144	
Chloroethane	500	25 U	491	98	69-145	
Methylene Chloride	500	25 U	505	101	79-119	
Acetone	500	250 U	459	92	45-156	
Carbon disulfide	500	25 U	469	94	58-139	
1,1-Dichloroethene	500	25 U	430	86	56-139	
1,1-Dichloroethane	500	25 U	475	95	78-122	
trans-1,2-Dichloroethene	500	25 U	459	92	75-122	
cis-1,2-Dichloroethene	500	25 U	445	89	80-120	
Chloroform	500	25 U	470	94	82-123	
1,2-Dichloroethane	500	25 U	500	100	74-118	
2-Butanone	500	250 U	454	91	65-114	
1,1,1-Trichloroethane	500	25 U	472	94	74-128	
Carbon tetrachloride	500	25 U	494	99	73-120	
Bromodichloromethane	500	25 U	462	92	79-119	
1,2-Dichloropropane	500	25 U	454	91	80-120	
cis-1,3-Dichloropropene	500	25 U	441	88	80-120	
Trichloroethene	500	25 U	469	94	78-119	
1,1,2-Trichloroethane	500	25 U	445	89	79-119	
Benzene	500	4700	4900	44	83-124	*
trans-1,3-Dichloropropene	500	25 U	413	83	78-118	
Bromoform	500	25 U	459	92	73-123	
Methyl isobutyl ketone (MIBK)	500	250 U	447	89	53-120	
2-Hexanone	500	250 U	330	66	53-121	
Tetrachloroethene	500	25 U	506	101	68-139	
1,1,2,2-Tetrachloroethane	500	25 U	451	90	74-126	
Toluene	500	590	1030	87	80-120	
Chlorobenzene	500	25 U	465	93	81-121	
Ethylbenzene	500	2000	2440	78	79-126	*
Styrene	500	25 U	512	102	69-112	
Xylenes, Total	1500	7000	8160	77	76-121	
m&p-Xylene	1000	6300	6980	70	76-120	*
o-Xylene	500	720	1180	92	78-118	
MTBE	500	25 U	458	92	71-115	
Naphthalene	500	560	1060	100	69-126	
1,2,4-Trimethylbenzene	500	1700	2050	74	68-120	
1,3,5-Trimethylbenzene	500	430	874	89	69-118	
Dibromomethane	500	25 U	464	93	79-119	
Isopropylbenzene	500	140	661	105	80-125	
N-Propylbenzene	500	230	709	96	67-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37897.d

Lab ID: 460-29791-4 MS Client ID: MW-SE-7 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
p-Isopropyltoluene	500	13 J	556	109	47-138	
sec-Butylbenzene	500	12 J	534	104	64-124	
tert-Butylbenzene	500	25 U	485	97	65-116	
n-Butylbenzene	500	25 U	556	111	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37898.d

Lab ID: 460-29791-4 MSD Client ID: MW-SE-7 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chloromethane	500	465	93	5	30	58-146	
Bromomethane	500	440	88	2	30	55-153	
Vinyl chloride	500	534	107	6	30	61-144	
Chloroethane	500	493	99	0	30	69-145	
Methylene Chloride	500	520	104	3	30	79-119	
Acetone	500	502	100	9	30	45-156	
Carbon disulfide	500	487	97	4	30	58-139	
1,1-Dichloroethene	500	478	96	10	30	56-139	
1,1-Dichloroethane	500	494	99	4	30	78-122	
trans-1,2-Dichloroethene	500	482	96	5	30	75-122	
cis-1,2-Dichloroethene	500	490	98	10	30	80-120	
Chloroform	500	490	98	4	30	82-123	
1,2-Dichloroethane	500	512	102	2	30	74-118	
2-Butanone	500	460	92	1	30	65-114	
1,1,1-Trichloroethane	500	499	100	5	30	74-128	
Carbon tetrachloride	500	521	104	5	30	73-120	
Bromodichloromethane	500	474	95	3	30	79-119	
1,2-Dichloropropane	500	478	96	5	30	80-120	
cis-1,3-Dichloropropene	500	464	93	5	30	80-120	
Trichloroethene	500	480	96	2	30	78-119	
1,1,2-Trichloroethane	500	465	93	4	30	79-119	
Benzene	500	5090	80	4	30	83-124	*
trans-1,3-Dichloropropene	500	434	87	5	30	78-118	
Bromoform	500	460	92	0	30	73-123	
Methyl isobutyl ketone (MIBK)	500	451	90	1	30	53-120	
2-Hexanone	500	334	67	1	30	53-121	
Tetrachloroethene	500	528	106	4	30	68-139	
1,1,2,2-Tetrachloroethane	500	465	93	3	30	74-126	
Toluene	500	1080	97	5	30	80-120	
Chlorobenzene	500	485	97	4	30	81-121	
Ethylbenzene	500	2560	101	5	30	79-126	
Styrene	500	520	104	1	30	69-112	
Xylenes, Total	1500	8380	92	3	30	76-121	
m&p-Xylene	1000	7160	88	3	30	76-120	
o-Xylene	500	1220	100	3	30	78-118	
MTBE	500	468	94	2	30	71-115	
Naphthalene	500	1080	103	1	30	69-126	
1,2,4-Trimethylbenzene	500	2130	91	4	30	68-120	
1,3,5-Trimethylbenzene	500	932	100	6	30	69-118	
Dibromomethane	500	484	97	4	30	79-119	
Isopropylbenzene	500	686	110	4	30	80-125	
N-Propylbenzene	500	739	102	4	30	67-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: b37898.d

Lab ID: 460-29791-4 MSD Client ID: MW-SE-7 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
p-Isopropyltoluene	500	579	113	4	30	47-138	
sec-Butylbenzene	500	566	111	6	30	64-124	
tert-Butylbenzene	500	515	103	6	30	65-116	
n-Butylbenzene	500	581	116	4	30	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: b37895.d Lab Sample ID: MB 460-82910/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 08/12/2011 13:22

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-82910/3	b37893.d	08/12/2011 12:08
MW-SE-7	460-29791-4	b37896.d	08/12/2011 13:51
MW-SE-7 MS	460-29791-4 MS	b37897.d	08/12/2011 14:20
MW-SE-7 MSD	460-29791-4 MSD	b37898.d	08/12/2011 14:49
Trip Blank	460-29791-7	b37903.d	08/12/2011 17:13
MW-SE-10	460-29791-1	b37904.d	08/12/2011 17:42
MW-SE-9	460-29791-2	b37905.d	08/12/2011 18:11
MW-SE-11	460-29791-3	b37906.d	08/12/2011 18:40
MW-X	460-29791-6	b37907.d	08/12/2011 19:09

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: b37917.d Lab Sample ID: MB 460-83056/4

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VOAMS2 Date Analyzed: 08/15/2011 09:58

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-83056/3	b37915.d	08/15/2011 08:46
MW-SE-8	460-29791-5	b37919.d	08/15/2011 10:56

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: b37826.d BFB Injection Date: 08/08/2011

Instrument ID: VOAMS2 BFB Injection Time: 20:29

Analysis Batch No.: 82451

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.0	
75	30.0 - 60.0 % of mass 95	50.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	84.0	
175	5.0 - 9.0 % of mass 174	6.1	(7.3)1
176	95.0 - 101.0 % of mass 174	80.2	(95.5)1
177	5.0 - 9.0 % of mass 176	5.7	(7.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-82451/2	b37828.d	08/08/2011	21:27
	IC 460-82451/3	b37830.d	08/08/2011	22:25
	ICIS 460-82451/4	b37831.d	08/08/2011	22:54
	IC 460-82451/5	b37832.d	08/08/2011	23:23
	IC 460-82451/6	b37833.d	08/08/2011	23:52
	IC 460-82451/7	b37834.d	08/09/2011	00:21

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: b37888.d BFB Injection Date: 08/12/2011

Instrument ID: VOAMS2 BFB Injection Time: 08:24

Analysis Batch No.: 82910

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	90.0	
175	5.0 - 9.0 % of mass 174	6.5	(7.3)1
176	95.0 - 101.0 % of mass 174	88.5	(98.3)1
177	5.0 - 9.0 % of mass 176	5.6	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-82910/2	b37890.d	08/12/2011	09:23
	LCS 460-82910/3	b37893.d	08/12/2011	12:08
	MB 460-82910/4	b37895.d	08/12/2011	13:22
MW-SE-7	460-29791-4	b37896.d	08/12/2011	13:51
MW-SE-7 MS	460-29791-4 MS	b37897.d	08/12/2011	14:20
MW-SE-7 MSD	460-29791-4 MSD	b37898.d	08/12/2011	14:49
Trip Blank	460-29791-7	b37903.d	08/12/2011	17:13
MW-SE-10	460-29791-1	b37904.d	08/12/2011	17:42
MW-SE-9	460-29791-2	b37905.d	08/12/2011	18:11
MW-SE-11	460-29791-3	b37906.d	08/12/2011	18:40
MW-X	460-29791-6	b37907.d	08/12/2011	19:09

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: b37910.d BFB Injection Date: 08/15/2011

Instrument ID: VOAMS2 BFB Injection Time: 06:04

Analysis Batch No.: 83056

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.6	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.8	(0.9)1
174	50.0 - 120.00 % of mass 95	81.5	
175	5.0 - 9.0 % of mass 174	6.1	(7.4)1
176	95.0 - 101.0 % of mass 174	80.0	(98.2)1
177	5.0 - 9.0 % of mass 176	5.1	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-83056/2	b37913.d	08/15/2011	07:34
	LCS 460-83056/3	b37915.d	08/15/2011	08:46
	MB 460-83056/4	b37917.d	08/15/2011	09:58
MW-SE-8	460-29791-5	b37919.d	08/15/2011	10:56

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-82910/2 Date Analyzed: 08/12/2011 09:23

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): b37890.d Heated Purge: (Y/N) N

Calibration ID: 11796

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1017131	5.02	696004	8.45	439044	10.33
UPPER LIMIT		2034262	5.52	1392008	8.95	878088	10.83
LOWER LIMIT		508566	4.52	348002	7.95	219522	9.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-82910/3		1032181	5.02	717609	8.45	445520	10.33
MB 460-82910/4		1022746	5.02	696499	8.45	420701	10.33
460-29791-4	MW-SE-7	1044750	5.02	733286	8.45	420994	10.33
460-29791-4 MS	MW-SE-7 MS	1064450	5.02	761694	8.45	453217	10.33
460-29791-4 MSD	MW-SE-7 MSD	1060962	5.02	763529	8.45	445521	10.33
460-29791-7	Trip Blank	1000024	5.02	684217	8.45	408958	10.33
460-29791-1	MW-SE-10	994675	5.02	686650	8.45	404533	10.33
460-29791-2	MW-SE-9	1012212	5.02	729976	8.45	427973	10.33
460-29791-3	MW-SE-11	1045640	5.02	697074	8.45	414377	10.33
460-29791-6	MW-X	1018777	5.02	690908	8.45	414740	10.33

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-83056/2 Date Analyzed: 08/15/2011 07:34

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): b37913.d Heated Purge: (Y/N) N

Calibration ID: 11796

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1062219	5.03	744566	8.46	447145	10.34
UPPER LIMIT		2124438	5.53	1489132	8.96	894290	10.84
LOWER LIMIT		531110	4.53	372283	7.96	223573	9.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-83056/3		1063491	5.03	746460	8.46	444946	10.34
MB 460-83056/4		1044060	5.03	732243	8.46	430928	10.34
460-29791-5	MW-SE-8	1104642	5.03	801567	8.46	456052	10.34

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-10 Lab Sample ID: 460-29791-1

Matrix: Water Lab File ID: b37904.d

Analysis Method: 8260B Date Collected: 08/08/2011 10:50

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 17:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.7		1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	0.20	J	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	0.20	J	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	0.50	J	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	1.5	J	3.0	0.43
179601-23-1	m&p-Xylene	0.95	J	2.0	0.29
95-47-6	o-Xylene	0.54	J	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-10 Lab Sample ID: 460-29791-1

Matrix: Water Lab File ID: b37904.d

Analysis Method: 8260B Date Collected: 08/08/2011 10:50

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 17:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.64	J	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	2.1		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	0.92	J	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	0.27	J	1.0	0.21
103-65-1	N-Propylbenzene	0.40	J	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	0.49	J	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-122
2037-26-5	Toluene-d8 (Surr)	100		69-125
460-00-4	Bromofluorobenzene	93		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37904.d
Report Date: 15-Aug-2011 17:39

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37904.d
Lab Smp Id: 460-29791-B-1 Client Smp ID: MW-SE-10
Inj Date : 12-AUG-2011 17:42
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-1
Misc Info : 460-29791-B-1
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	Compounds							
	8 n-Pentane	72	1.793	1.793	(0.357)	19614	47.5900	48
	29 Hexane	56	2.994	2.994	(0.597)	23400	7.23985	7.2
	42 Chloroform	83	4.155	4.155	(0.828)	18302	1.74609	1.7
	44 Cyclohexane	56	4.270	4.237	(0.851)	28453	3.61653	3.6
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	359281	52.7152	53
	48 Benzene	78	4.673	4.673	(0.553)	3900	0.19887	0.20(a)
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	994675	50.0000	
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	13480	1.87225	1.9
$	65 Toluene-d8 (SUR)	98	6.944	6.945	(0.822)	844514	50.0430	50
	66 Toluene	91	7.027	7.027	(0.832)	3979	0.19631	0.20(a)
*	78 Chlorobenzene-d5	117	8.450	8.451	(1.000)	686650	50.0000	
	81 Ethylbenzene	106	8.557	8.558	(1.013)	3242	0.49674	0.50(a)
	82 m+p-Xylene	106	8.664	8.665	(1.025)	7545	0.94800	0.95(a)
	84 o-Xylene	106	9.002	9.002	(1.065)	4451	0.53906	0.54(a)
	88 Isopropylbenzene	105	9.298	9.298	(1.100)	5476	0.27061	0.27(a)
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	304167	46.6774	47

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37904.d
Report Date: 15-Aug-2011 17:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	10467	0.40369	0.40(a)
	97 1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	17564	0.92384	0.92(a)
	101 1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	41369	2.11004	2.1
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	404533	50.0000	
	106 n-Butylbenzene	91	10.566	10.566	(1.023)	8617	0.48867	0.49(a)
	171 Indan	117	10.500	10.500	(2.092)	8357	0.40731	0.41(a)
	116 Naphthalene	128	11.890	11.891	(1.151)	12469	0.64039	0.64(a)
M	121 Xylene (Total)	100				11996	1.48705	1.5(a)

QC Flag Legend

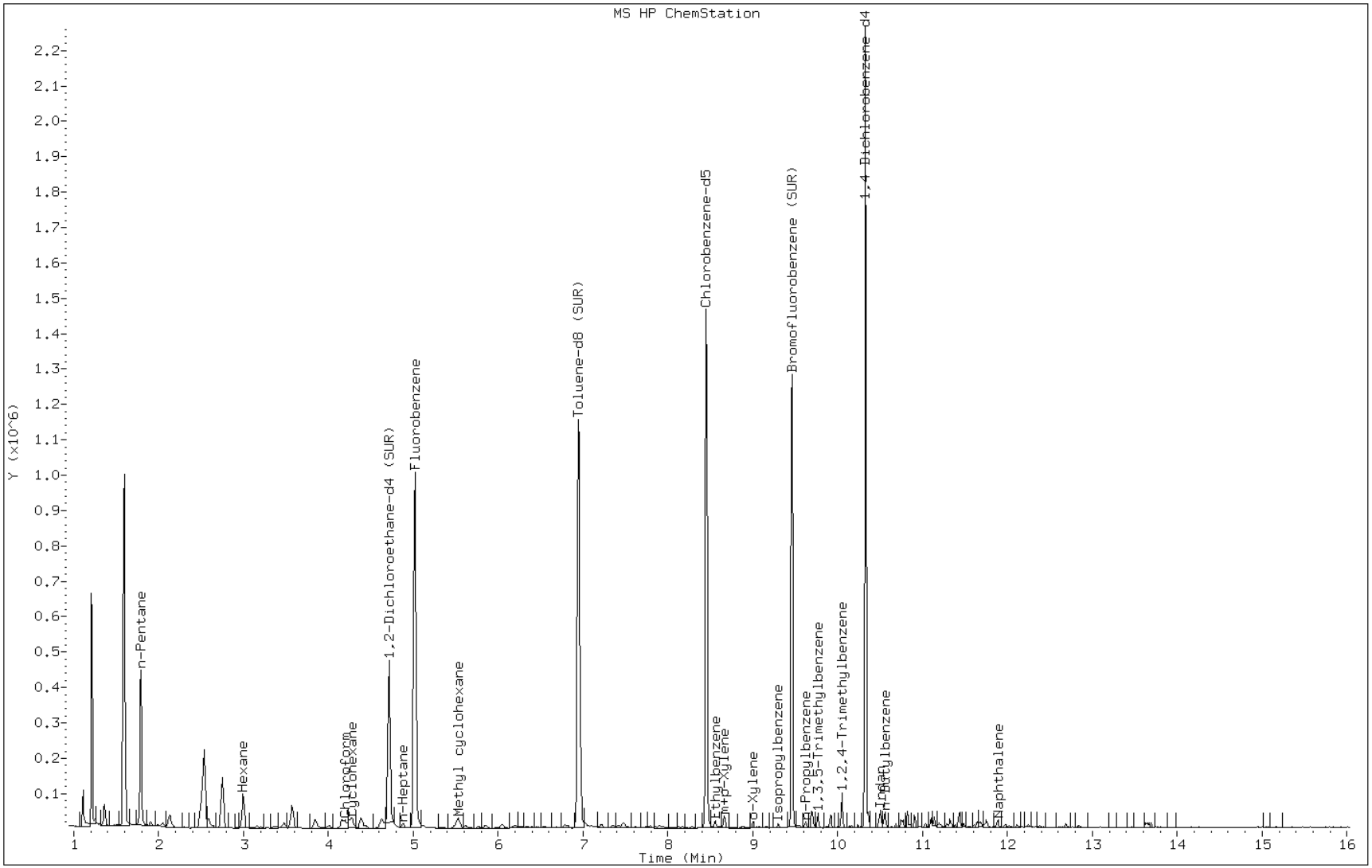
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:



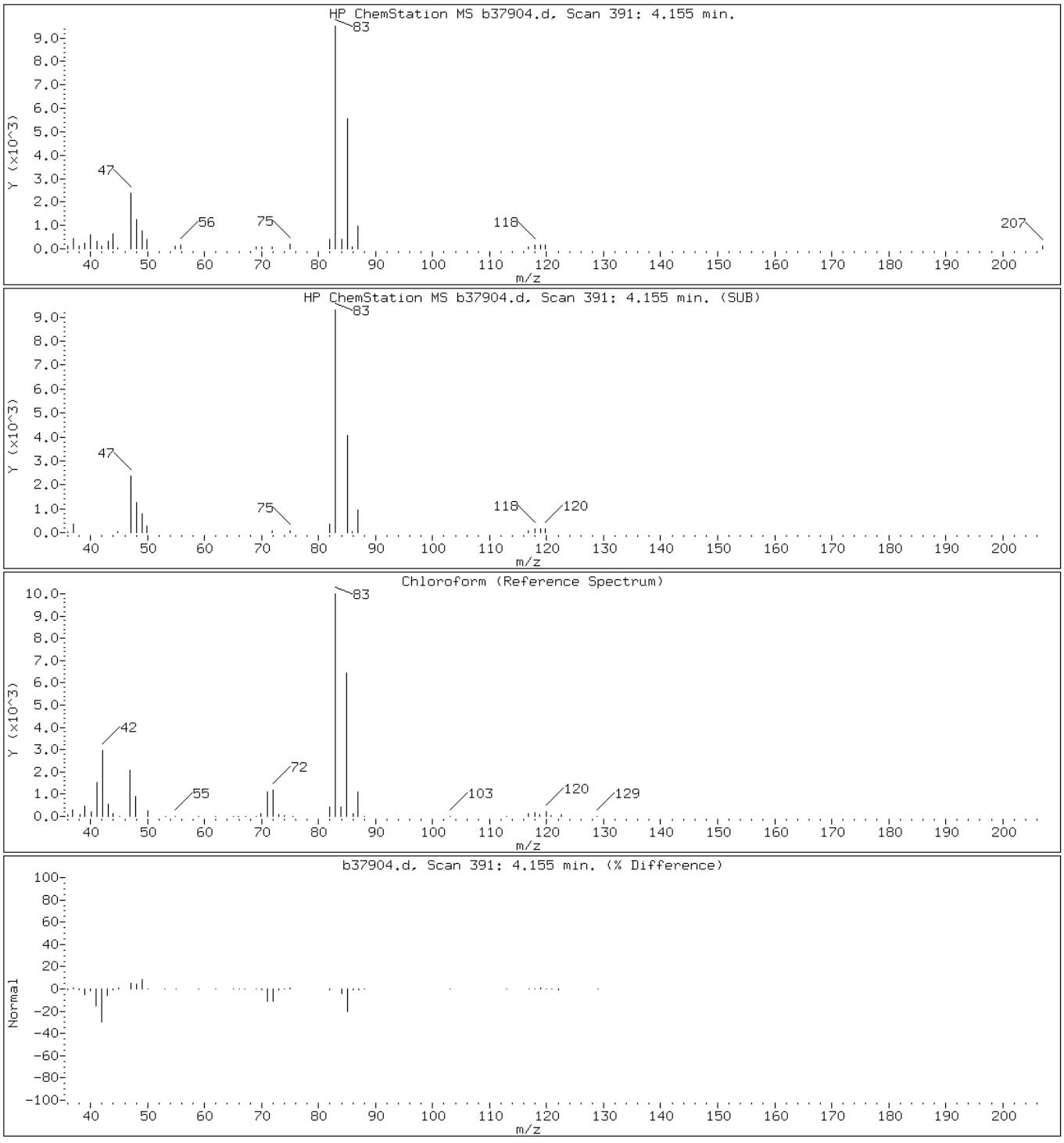
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

42 Chloroform



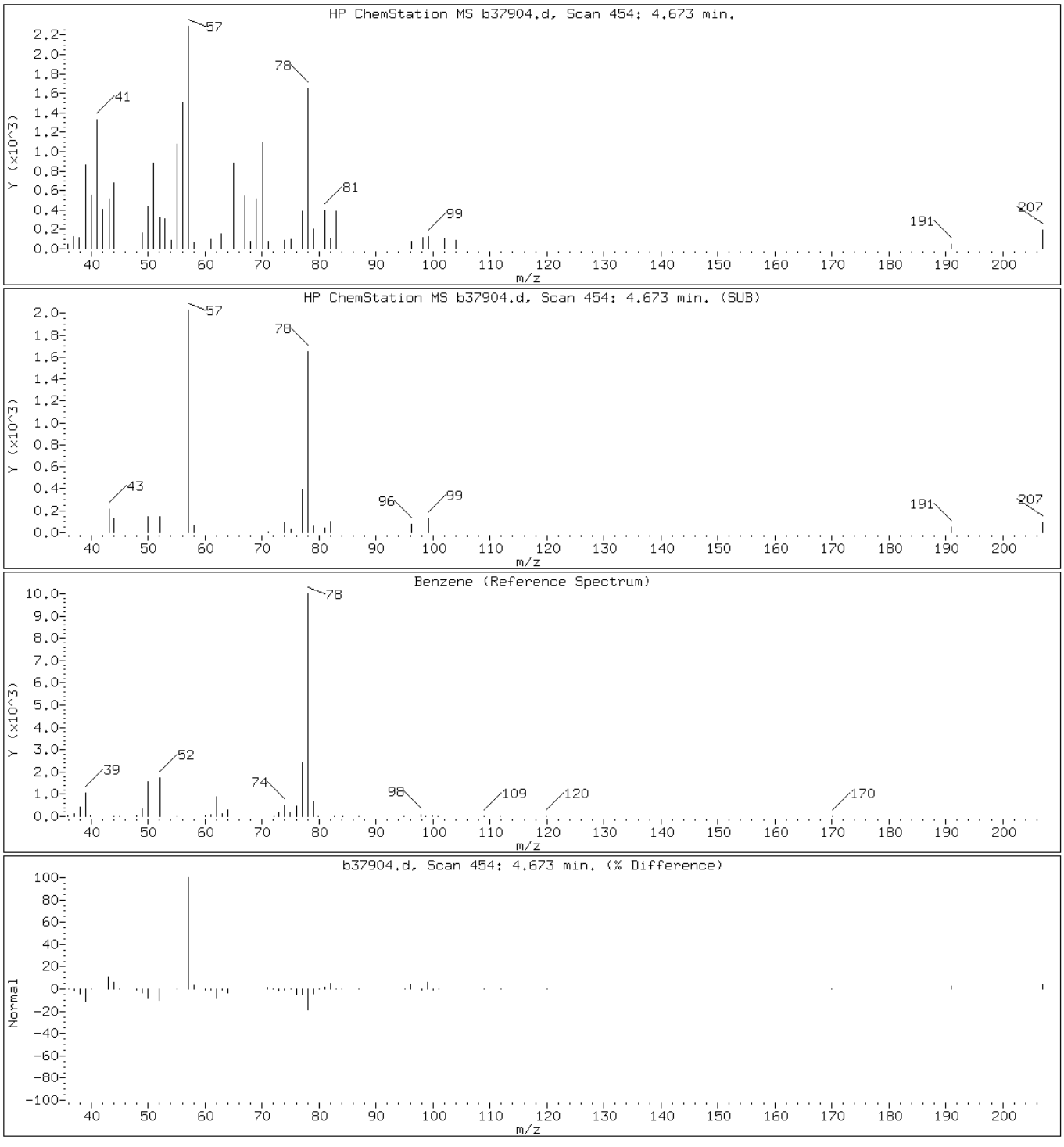
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

48 Benzene



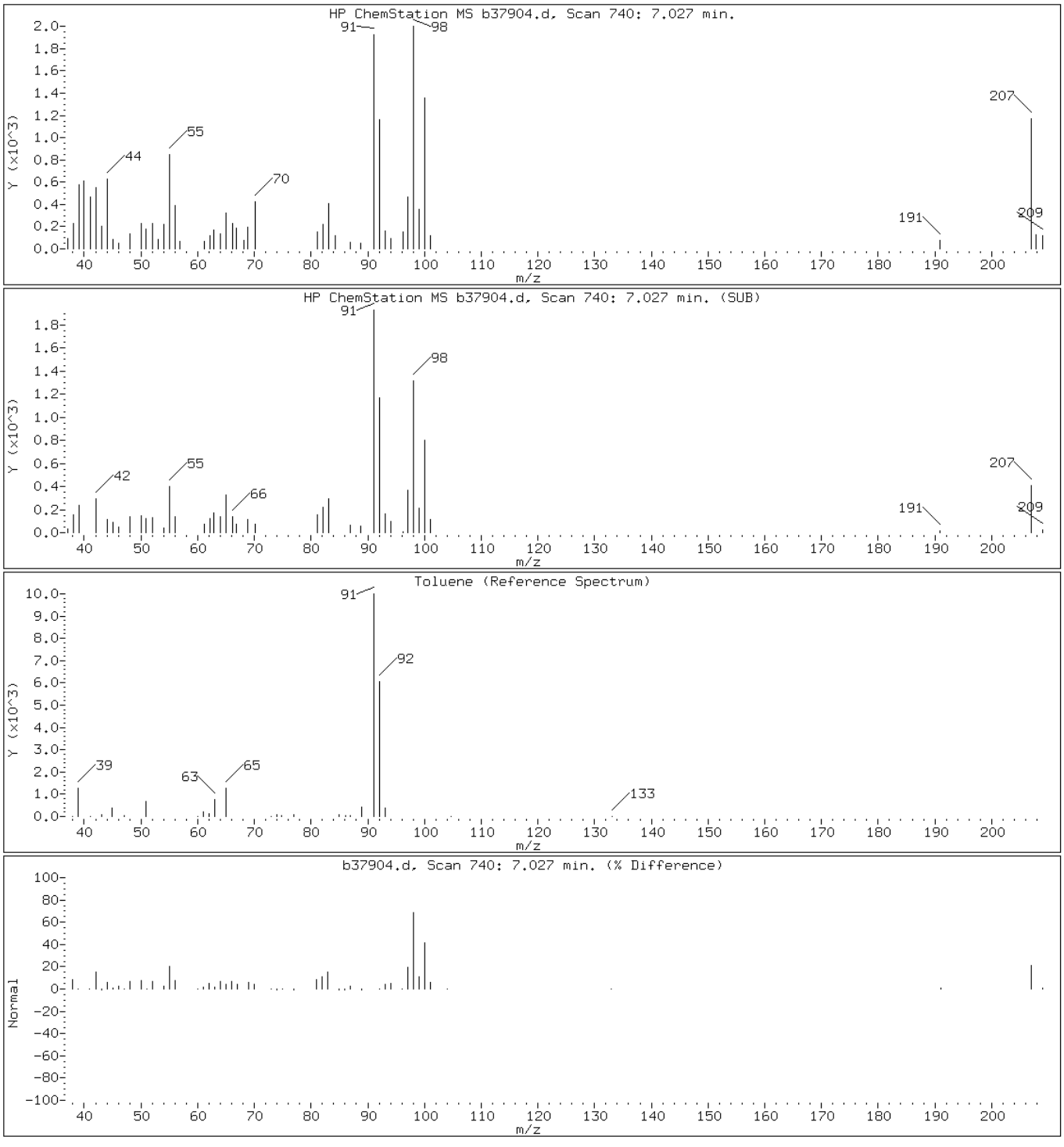
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

66 Toluene



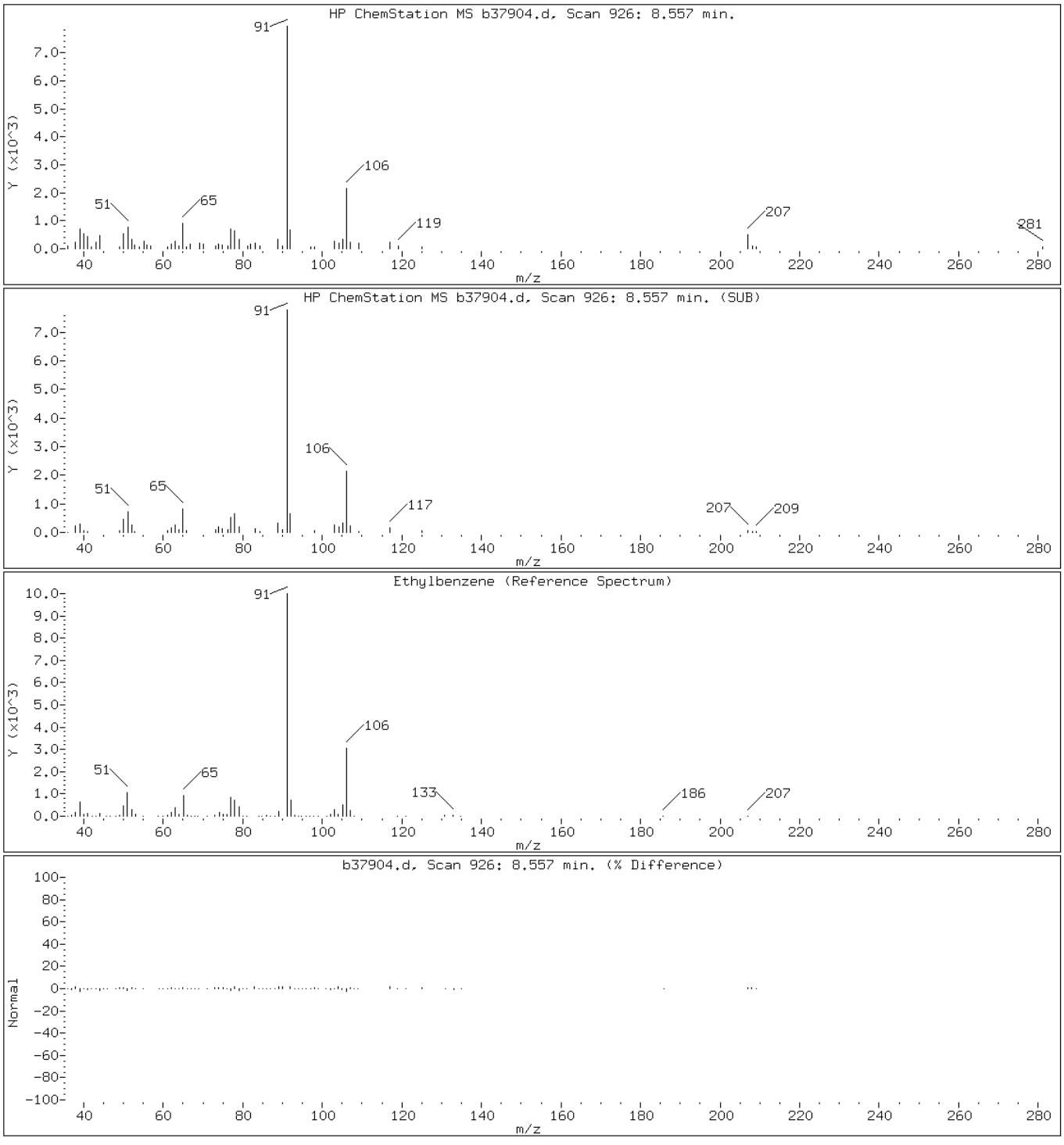
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

81 Ethylbenzene



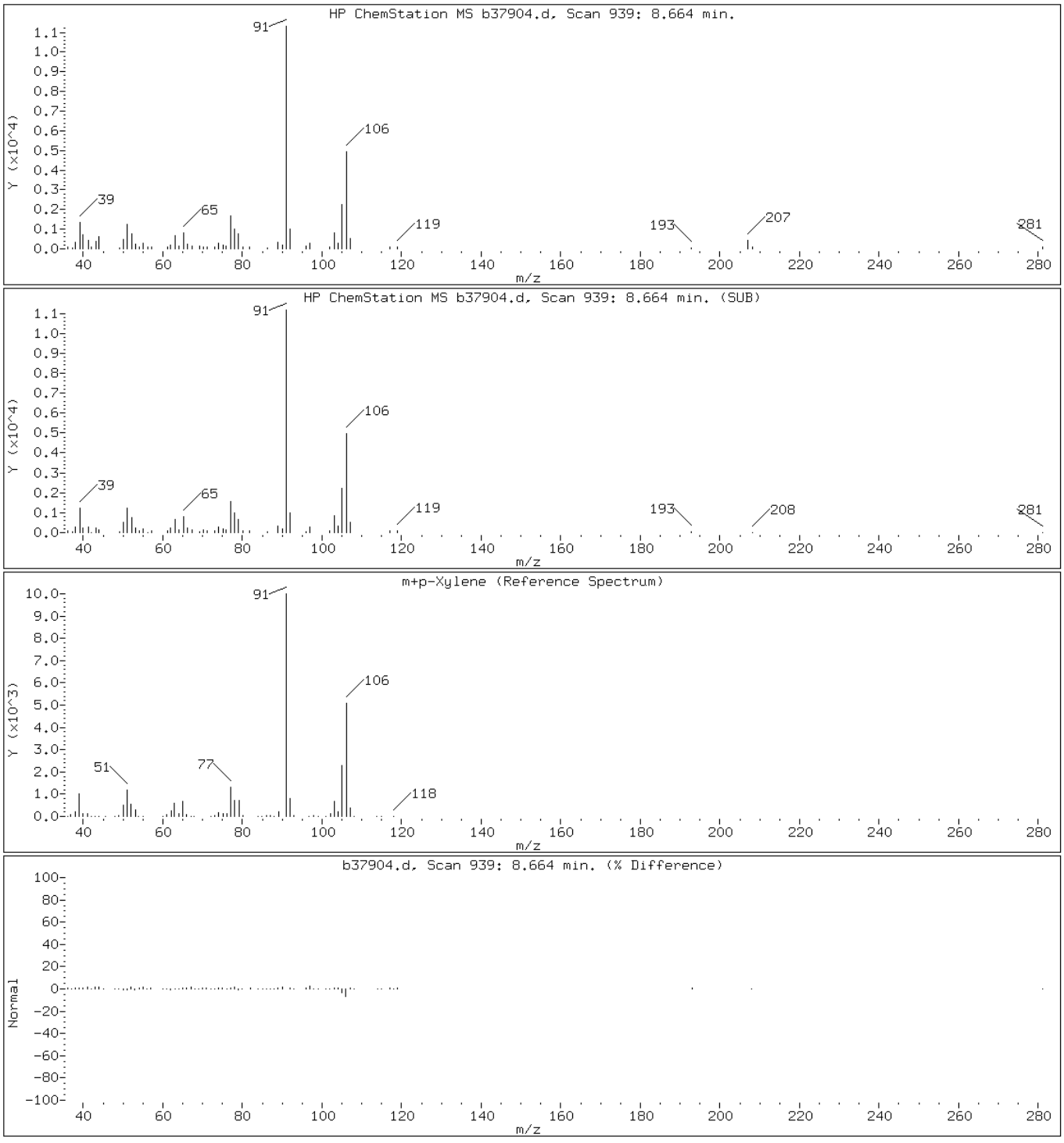
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

82 m+p-Xylene



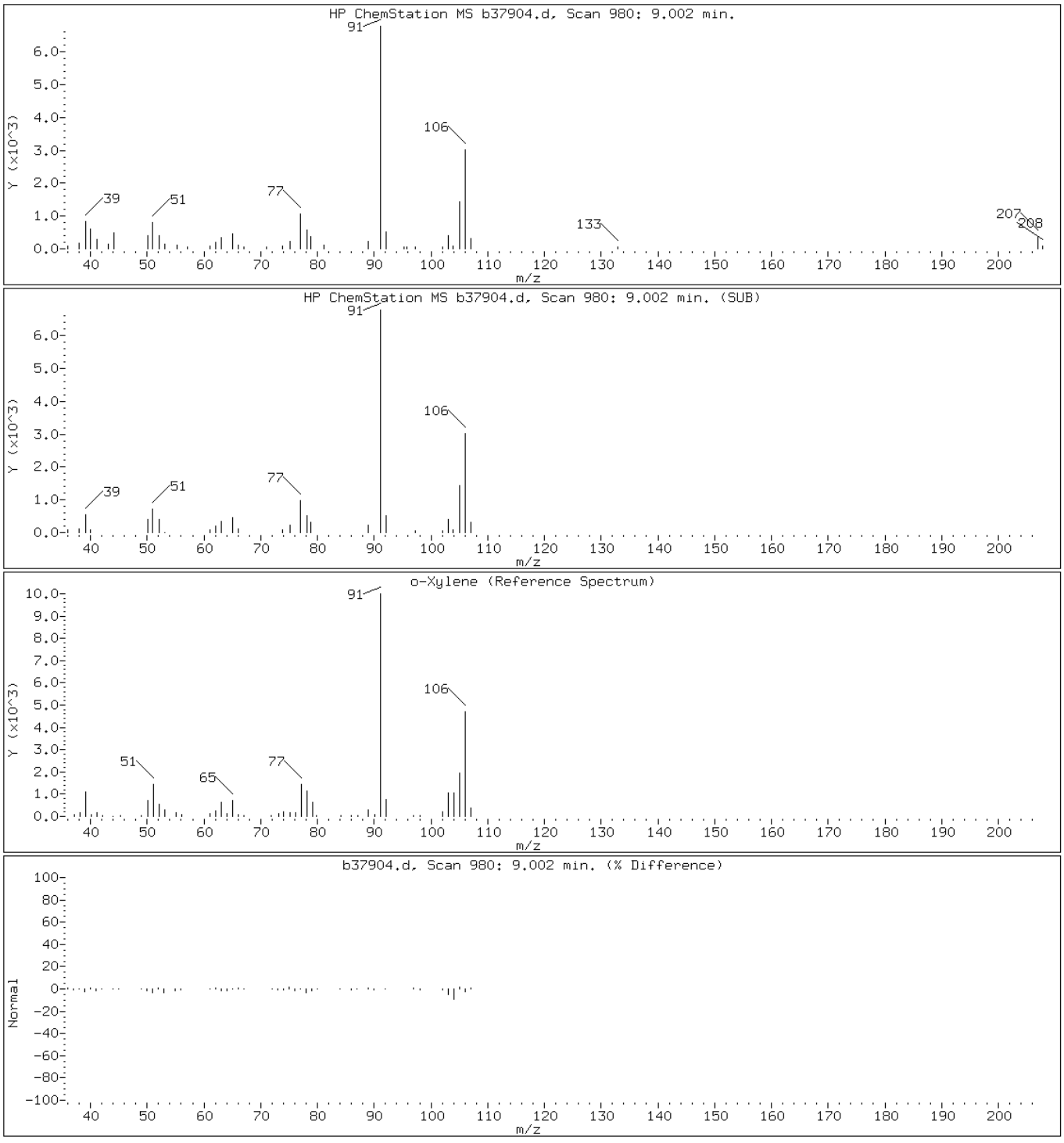
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

84 o-Xylene



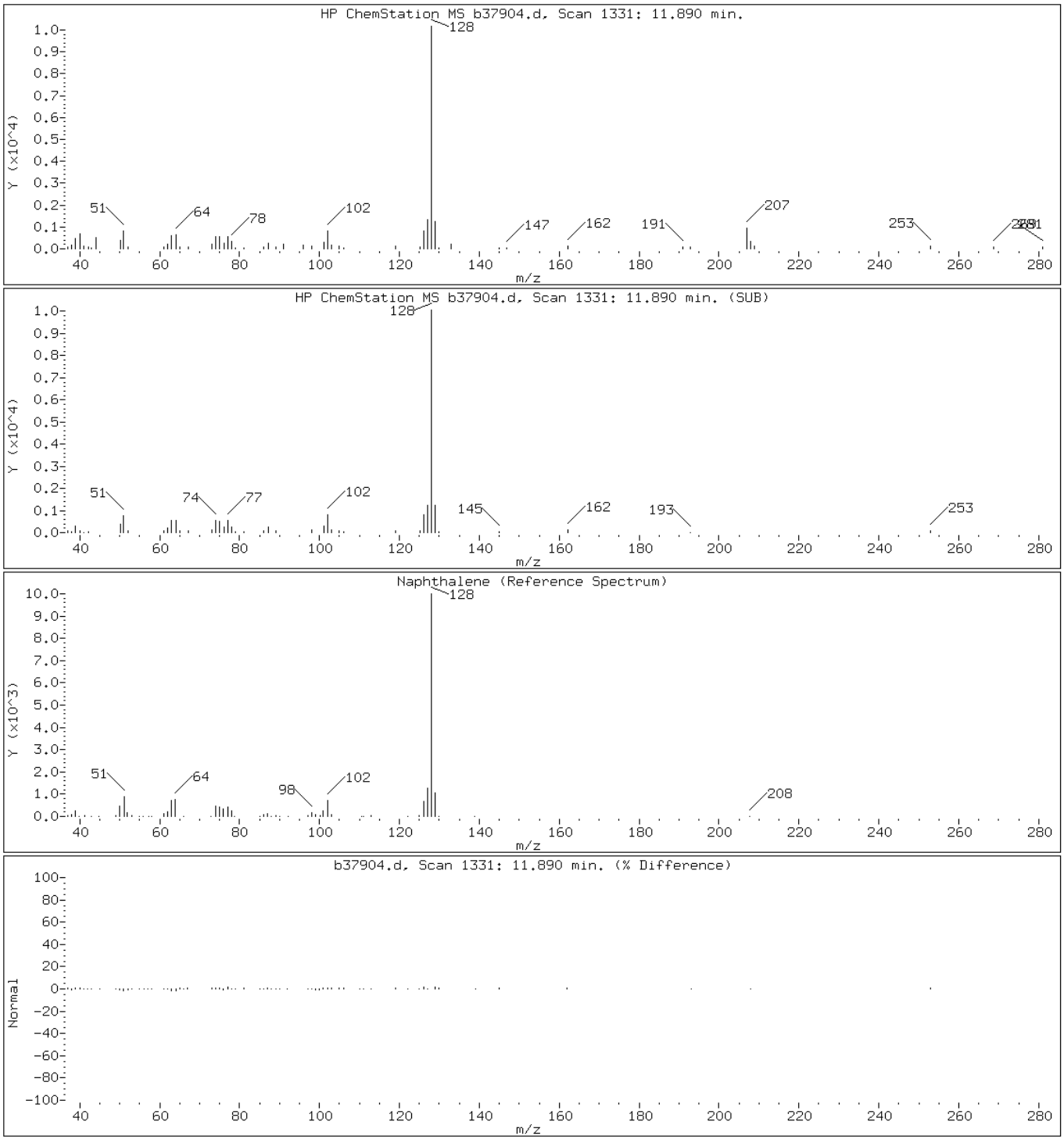
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

116 Naphthalene



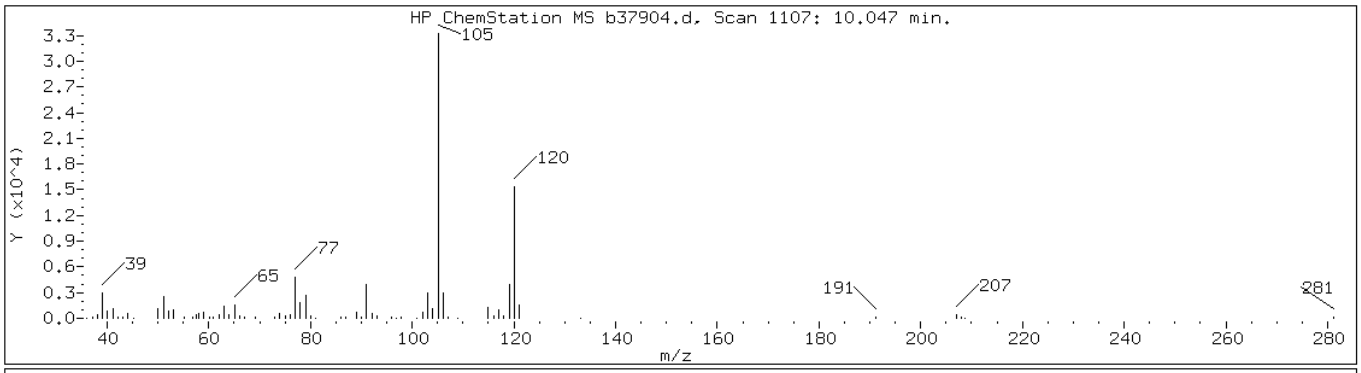
Data File: b37904.d

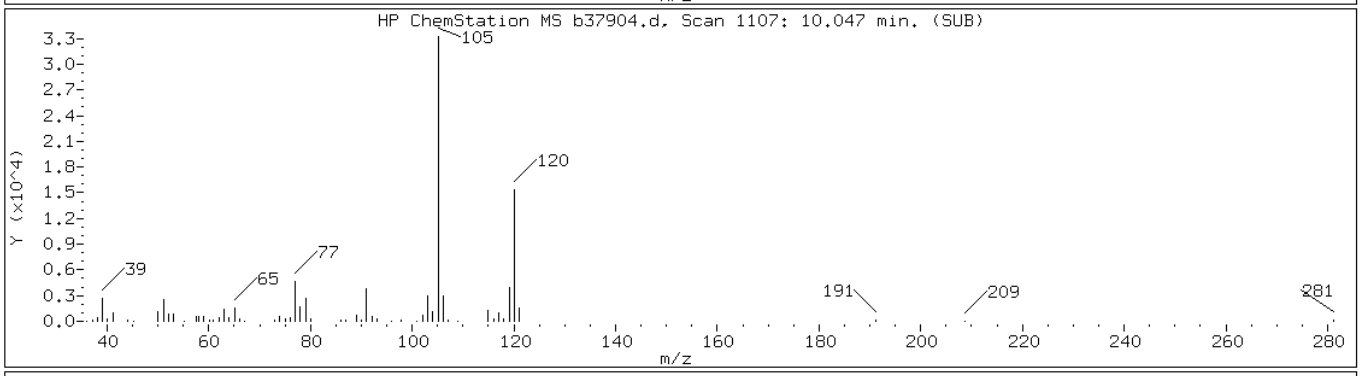
Date: 12-AUG-2011 17:42

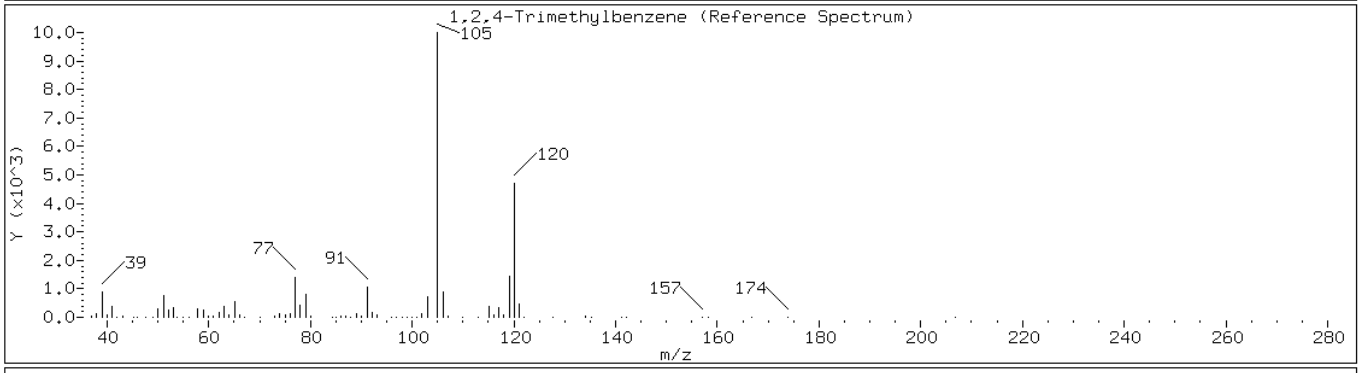
Client ID: MW-SE-10 Instrument: VOAMS2.i

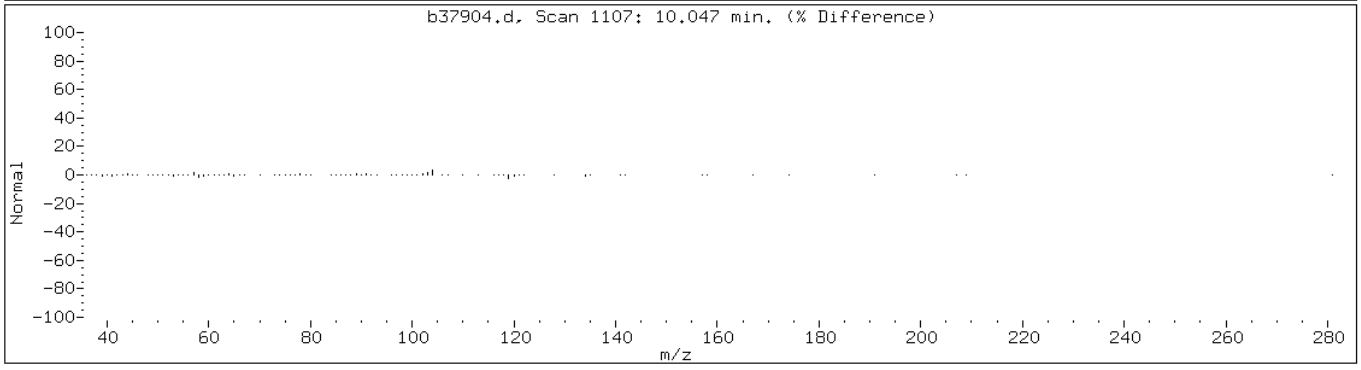
Sample Info: 460-29791-B-1 Operator:

101 1,2,4-Trimethylbenzene









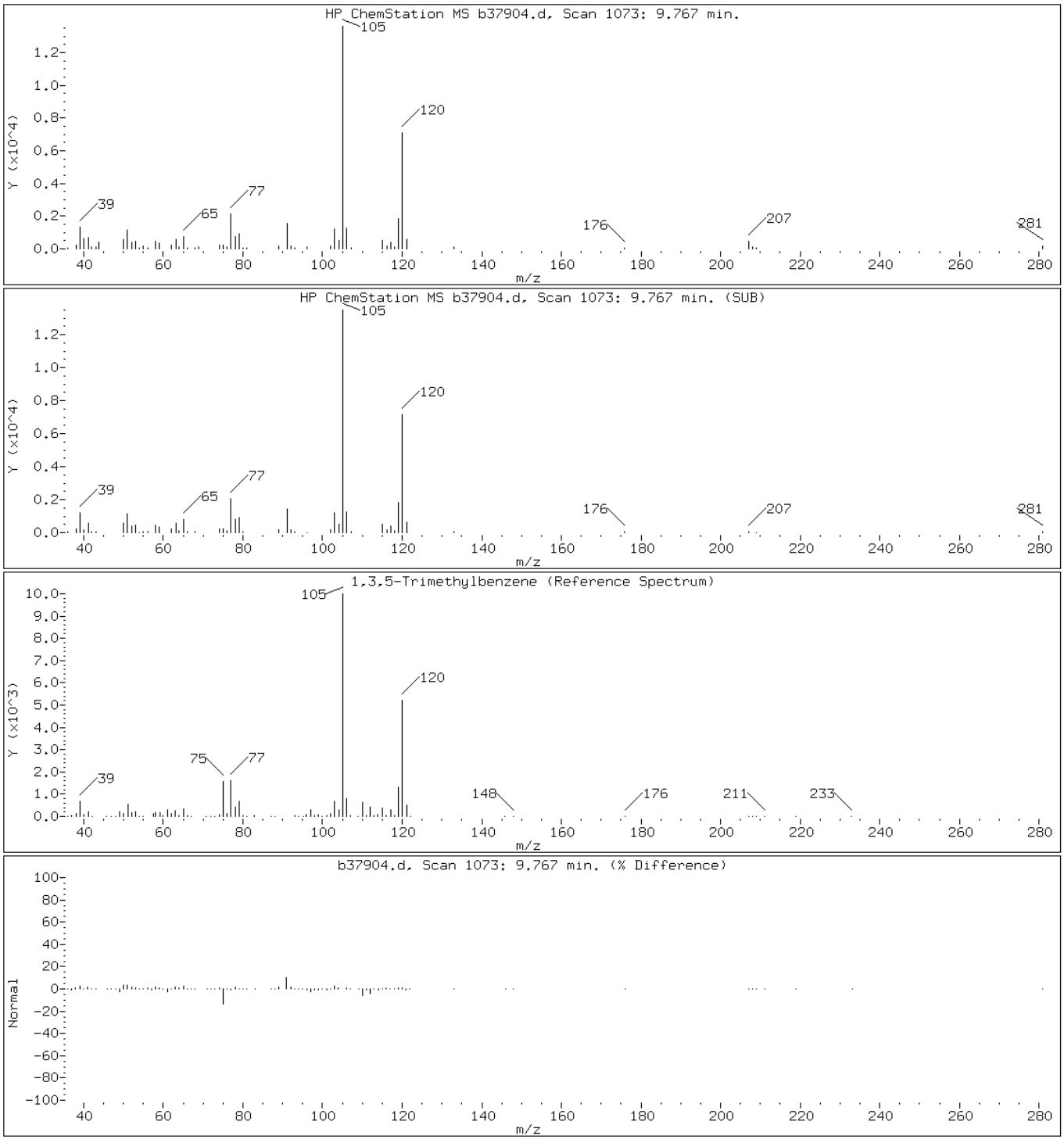
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

97 1,3,5-Trimethylbenzene



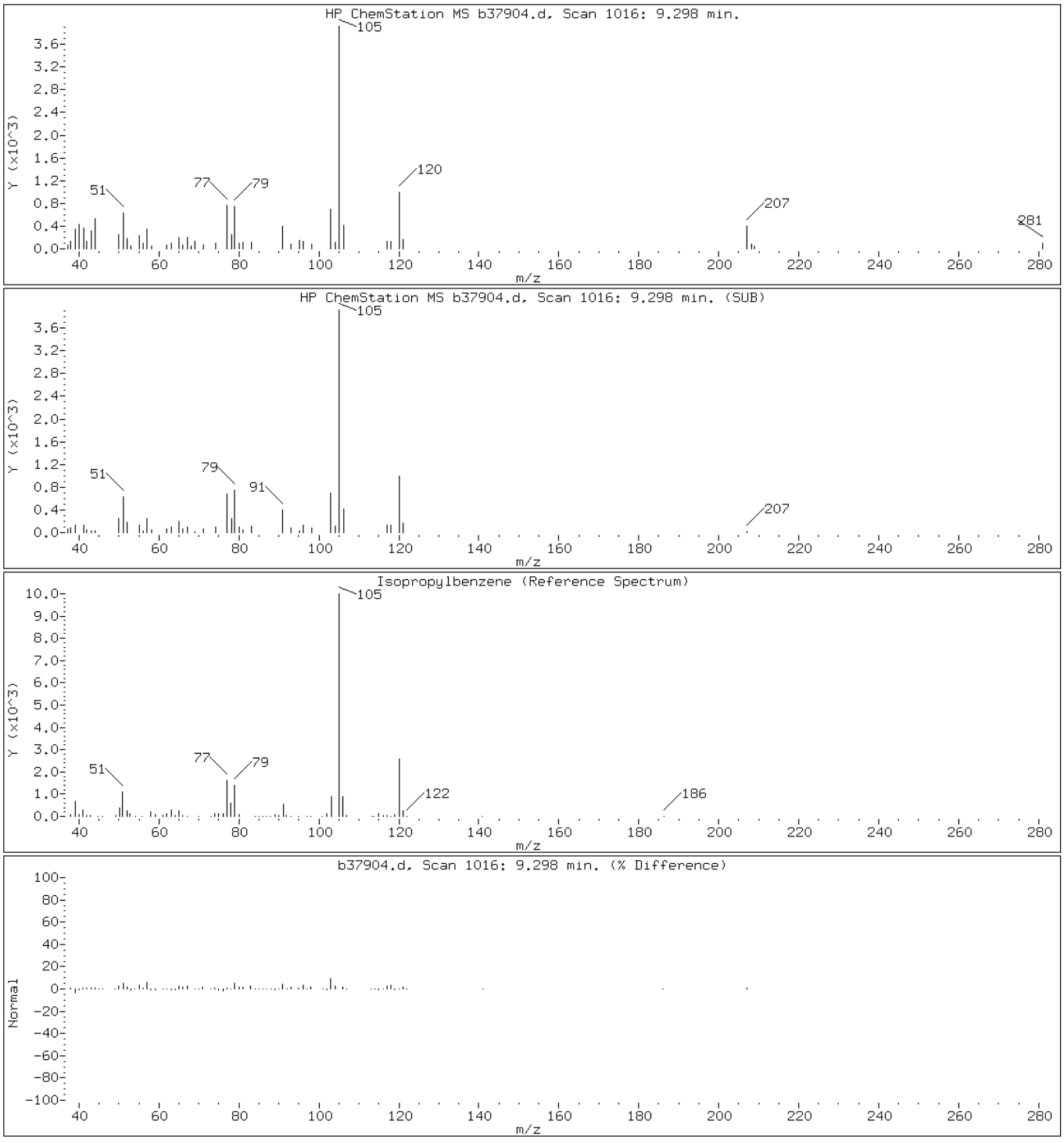
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

88 Isopropylbenzene



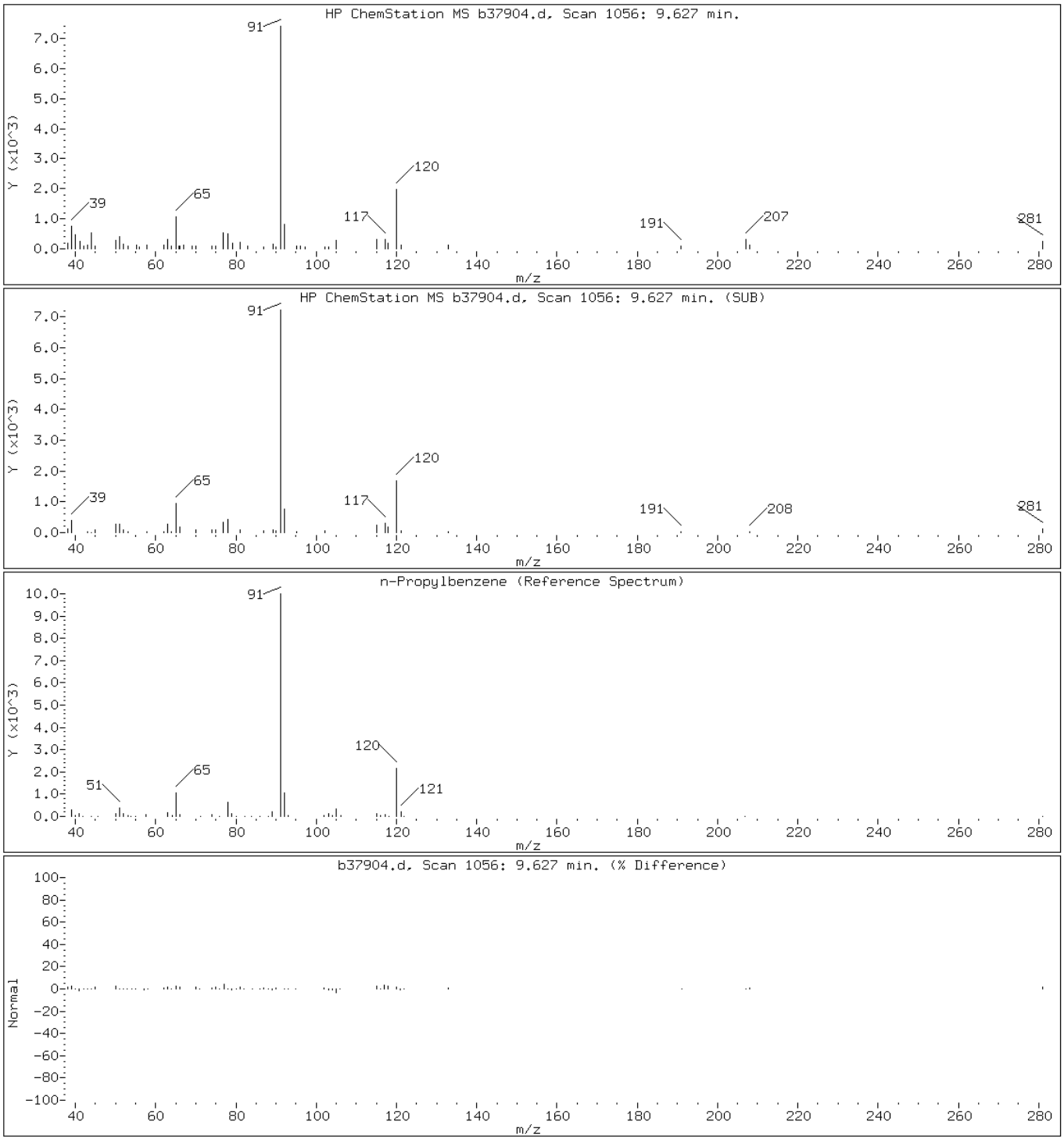
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

95 n-Propylbenzene



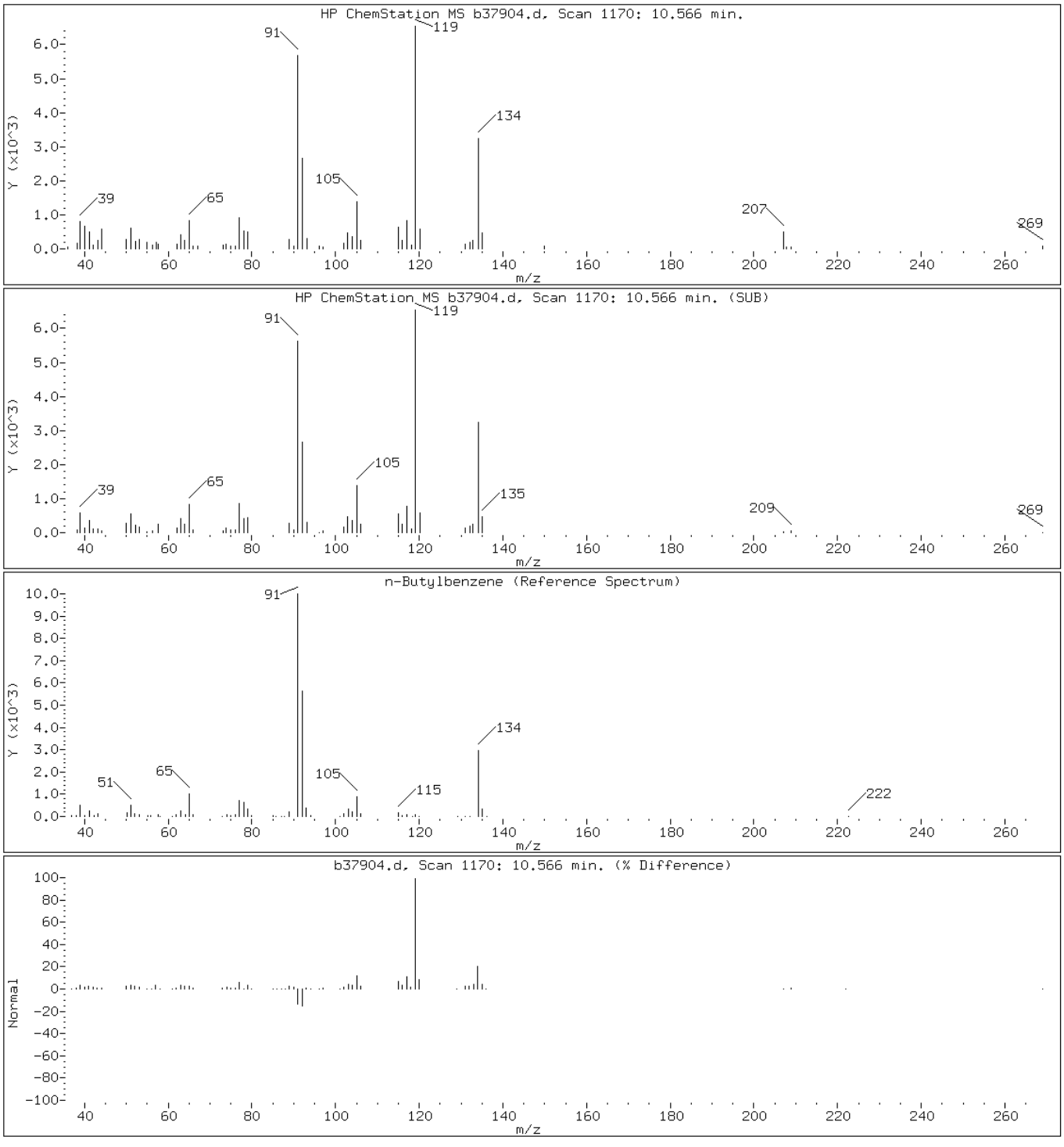
Data File: b37904.d

Date: 12-AUG-2011 17:42

Client ID: MW-SE-10 Instrument: VOAMS2.i

Sample Info: 460-29791-B-1 Operator:

106 n-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-9 | Lab Sample ID: 460-29791-2

Matrix: Water | Lab File ID: b37905.d

Analysis Method: 8260B | Date Collected: 08/08/2011 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 18:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.31	J	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	150		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	7.3		1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	30		1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	30		3.0	0.43
179601-23-1	m&p-Xylene	26		2.0	0.29
95-47-6	o-Xylene	3.6		1.0	0.15
1634-04-4	MTBE	0.18	J	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-9 | Lab Sample ID: 460-29791-2

Matrix: Water | Lab File ID: b37905.d

Analysis Method: 8260B | Date Collected: 08/08/2011 12:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 18:11

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10		1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	51		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	17		1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	91		1.0	0.21
103-65-1	N-Propylbenzene	220		1.0	0.18
99-87-6	p-Isopropyltoluene	1.9		1.0	0.19
135-98-8	sec-Butylbenzene	27		1.0	0.20
98-06-6	tert-Butylbenzene	1.5		1.0	0.18
104-51-8	n-Butylbenzene	41		1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-122
2037-26-5	Toluene-d8 (Surr)	99		69-125
460-00-4	Bromofluorobenzene	96		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37905.d
Report Date: 15-Aug-2011 17:47

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37905.d
Lab Smp Id: 460-29791-B-2 Client Smp ID: MW-SE-9
Inj Date : 12-AUG-2011 18:11
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-2
Misc Info : 460-29791-B-2
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
8	n-Pentane	72	1.793	1.793	(0.357)	22046	52.5641	52
24	TBA	59	2.772	2.764	(0.552)	1533	11.7351	12(a)
28	MTBE	73	2.822	2.821	(0.562)	2795	0.18191	0.18(a)
29	Hexane	56	2.994	2.994	(0.597)	68506	20.8282	21
44	Cyclohexane	56	4.245	4.237	(0.846)	524617	65.5264	66
$ 47	1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	367212	52.9454	53
48	Benzene	78	4.673	4.673	(0.553)	3225204	154.697	150
49	1,2-Dichloroethane	62	4.805	4.797	(0.957)	2575	0.30644	0.31(a)
* 52	Fluorobenzene	96	5.019	5.019	(1.000)	1012212	50.0000	
56	Methyl cyclohexane	83	5.529	5.529	(1.102)	379397	51.7819	52
$ 65	Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	887492	49.4684	49
66	Toluene	91	7.027	7.027	(0.832)	157781	7.32245	7.3
* 78	Chlorobenzene-d5	117	8.451	8.451	(1.000)	729976	50.0000	
81	Ethylbenzene	106	8.558	8.558	(1.013)	208123	29.9962	30
82	m+p-Xylene	106	8.665	8.665	(1.025)	221650	26.1964	26
84	o-Xylene	106	9.002	9.002	(1.065)	31301	3.56583	3.6

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37905.d
Report Date: 15-Aug-2011 17:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
88	Isopropylbenzene	105	9.298	9.298	(1.100)	1949657	90.6293	91
$ 89	Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	330709	47.9709	48
95	n-Propylbenzene	91	9.627	9.627	(0.932)	6108018	222.674	220
97	1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	335772	16.6938	17
100	tert-Butylbenzene	119	9.998	9.998	(0.968)	26206	1.54231	1.5
101	1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	1064526	51.3227	51
103	sec-Butylbenzene	105	10.162	10.162	(0.984)	608923	27.0556	27
107	p-Isopropyltoluene	119	10.269	10.269	(0.994)	35012	1.86047	1.9
* 108	1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	427973	50.0000	
106	n-Butylbenzene	91	10.566	10.566	(1.023)	767793	41.1570	41
171	Indan	117	10.500	10.500	(2.092)	4367720	209.192	210
116	Naphthalene	128	11.891	11.891	(1.151)	211751	10.2796	10
M 121	Xylene (Total)	100				252951	29.7623	30

QC Flag Legend

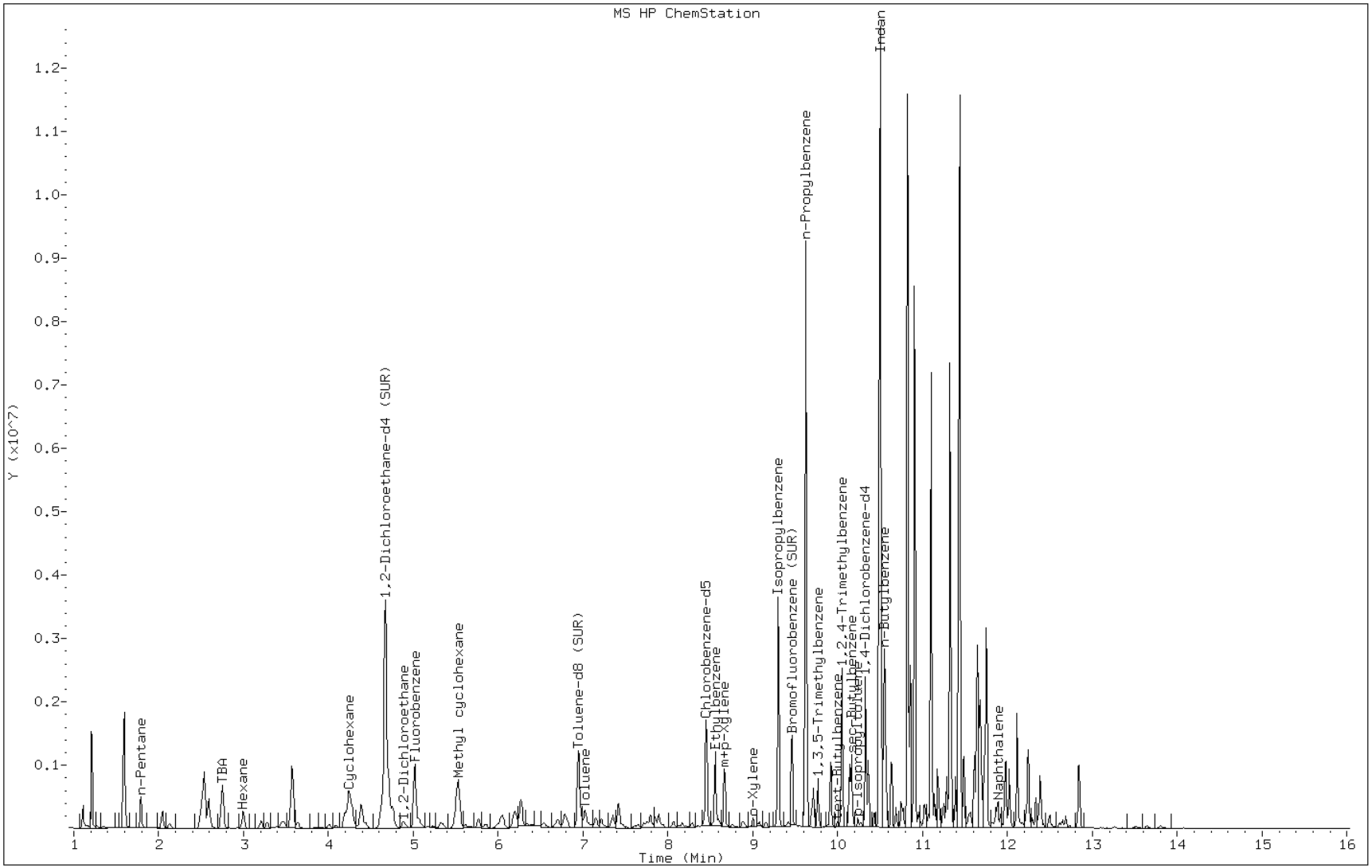
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:



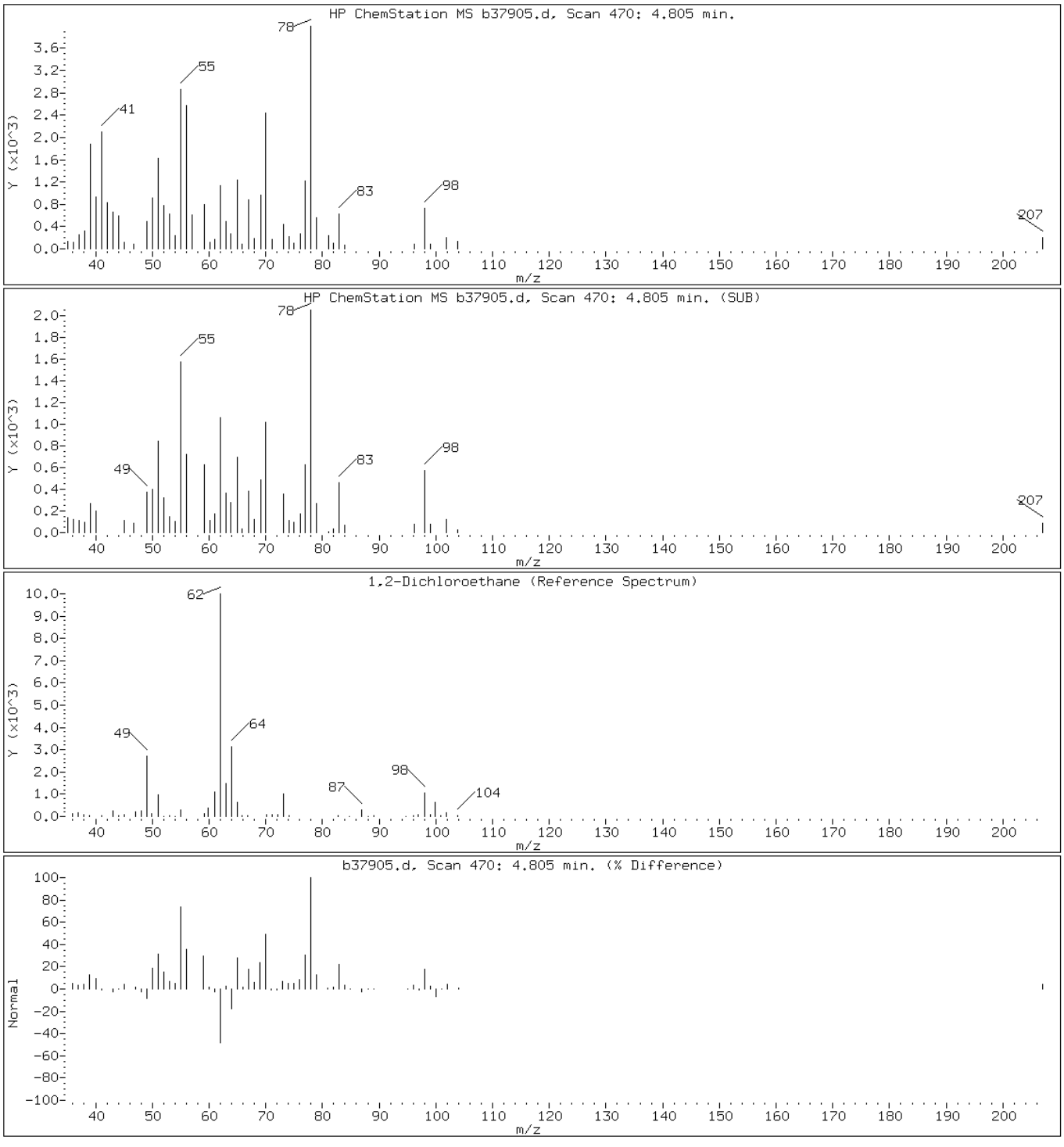
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

49 1,2-Dichloroethane



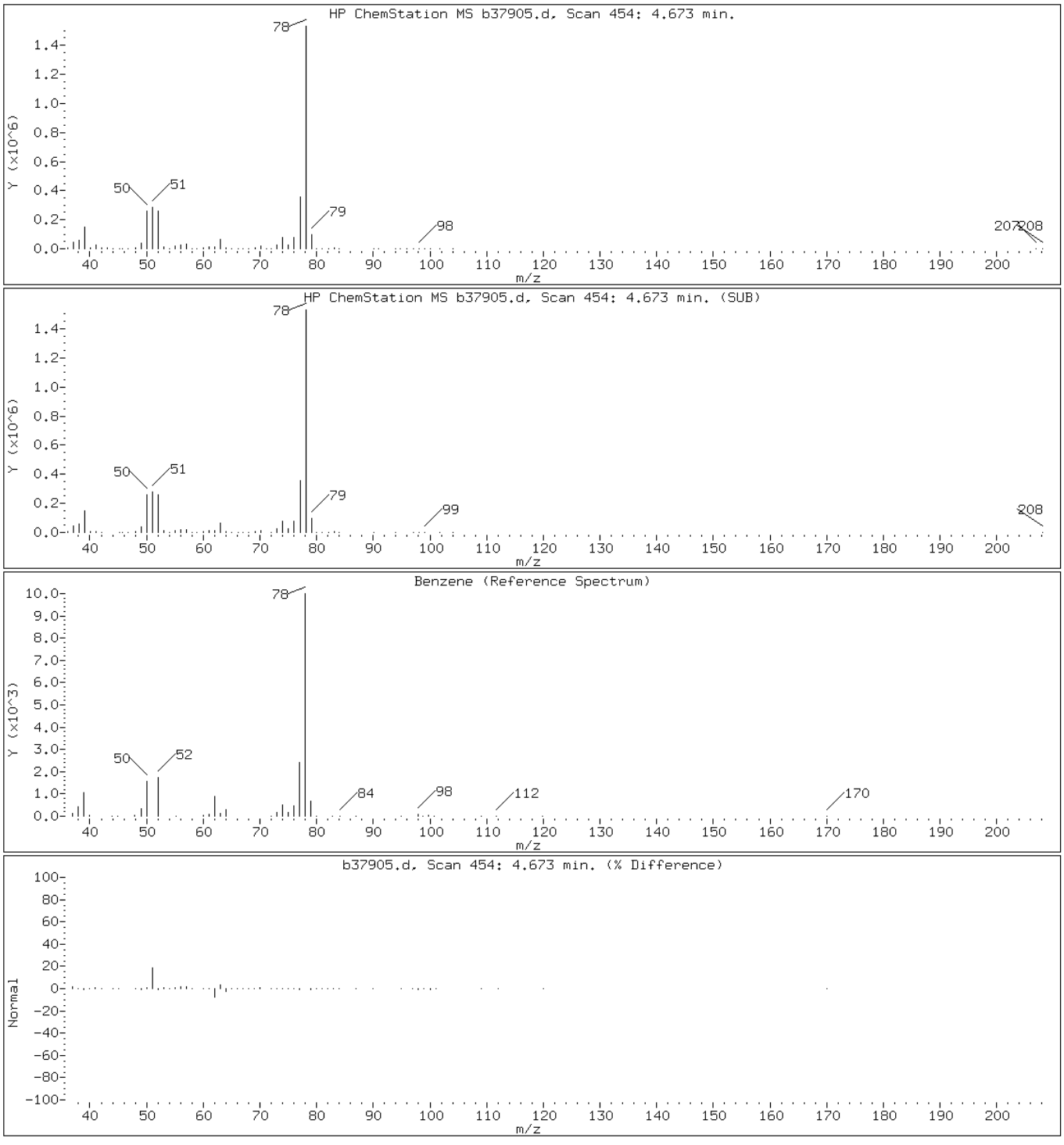
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

48 Benzene



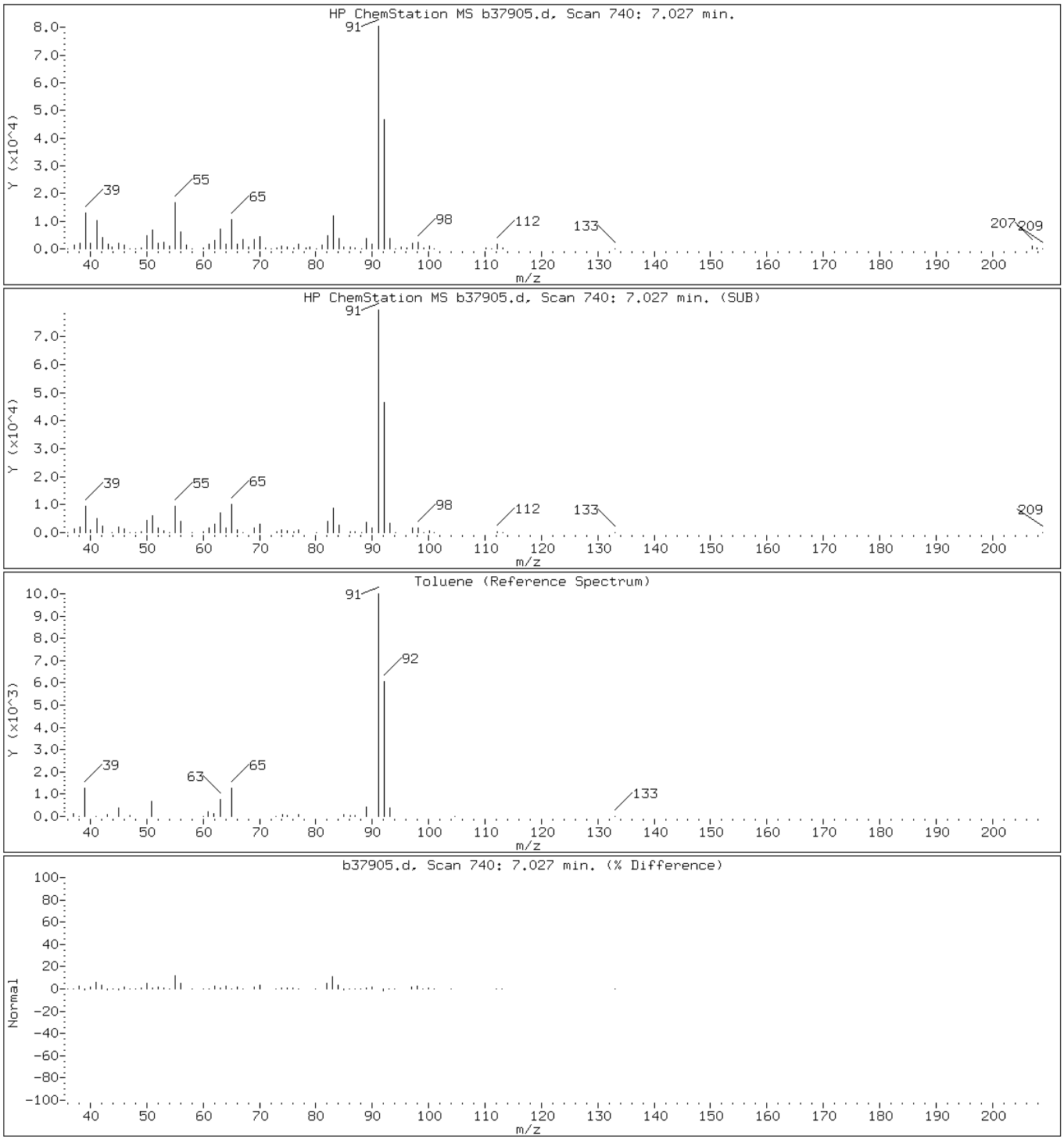
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

66 Toluene



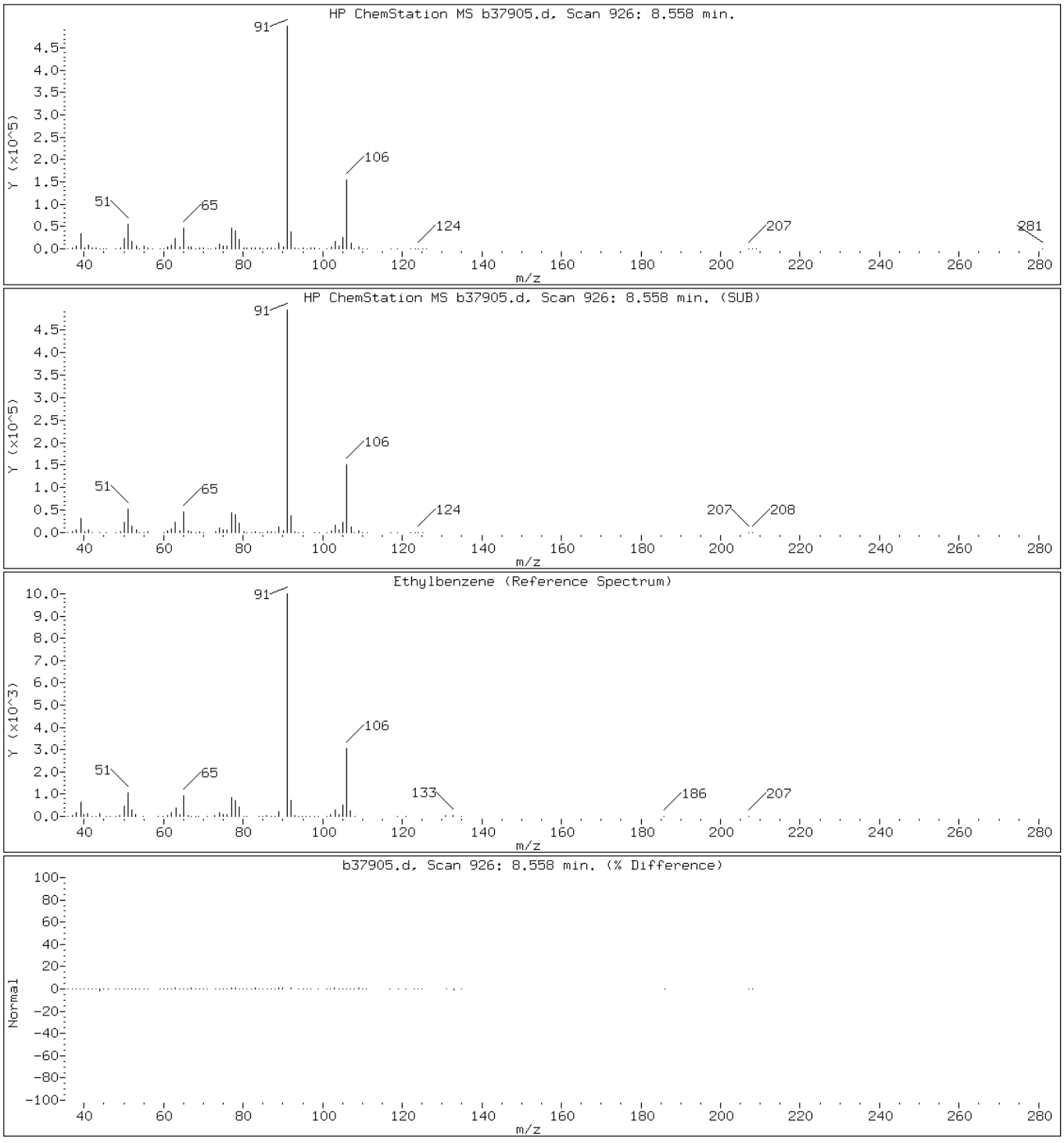
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

81 Ethylbenzene



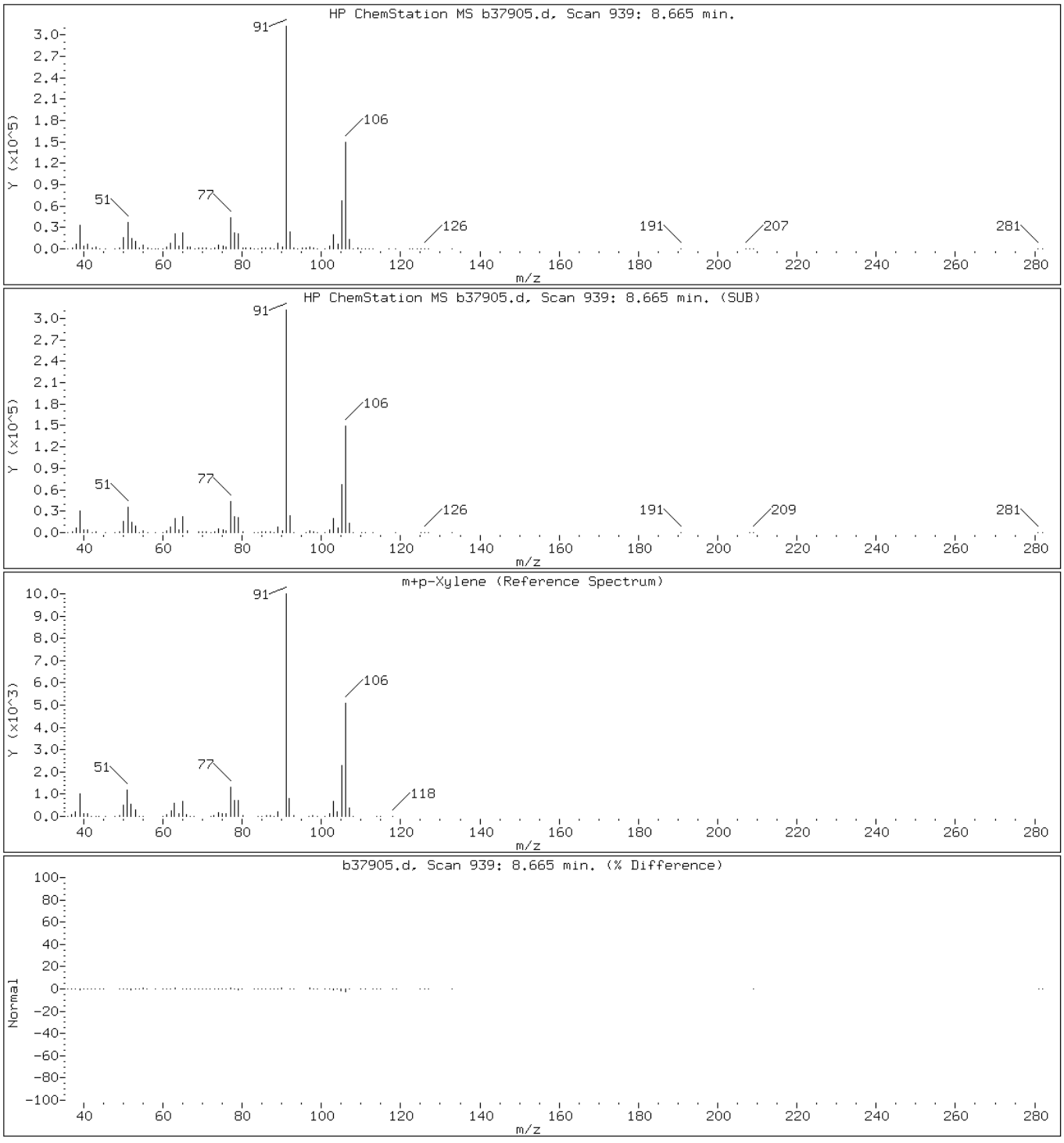
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

82 m+p-Xylene



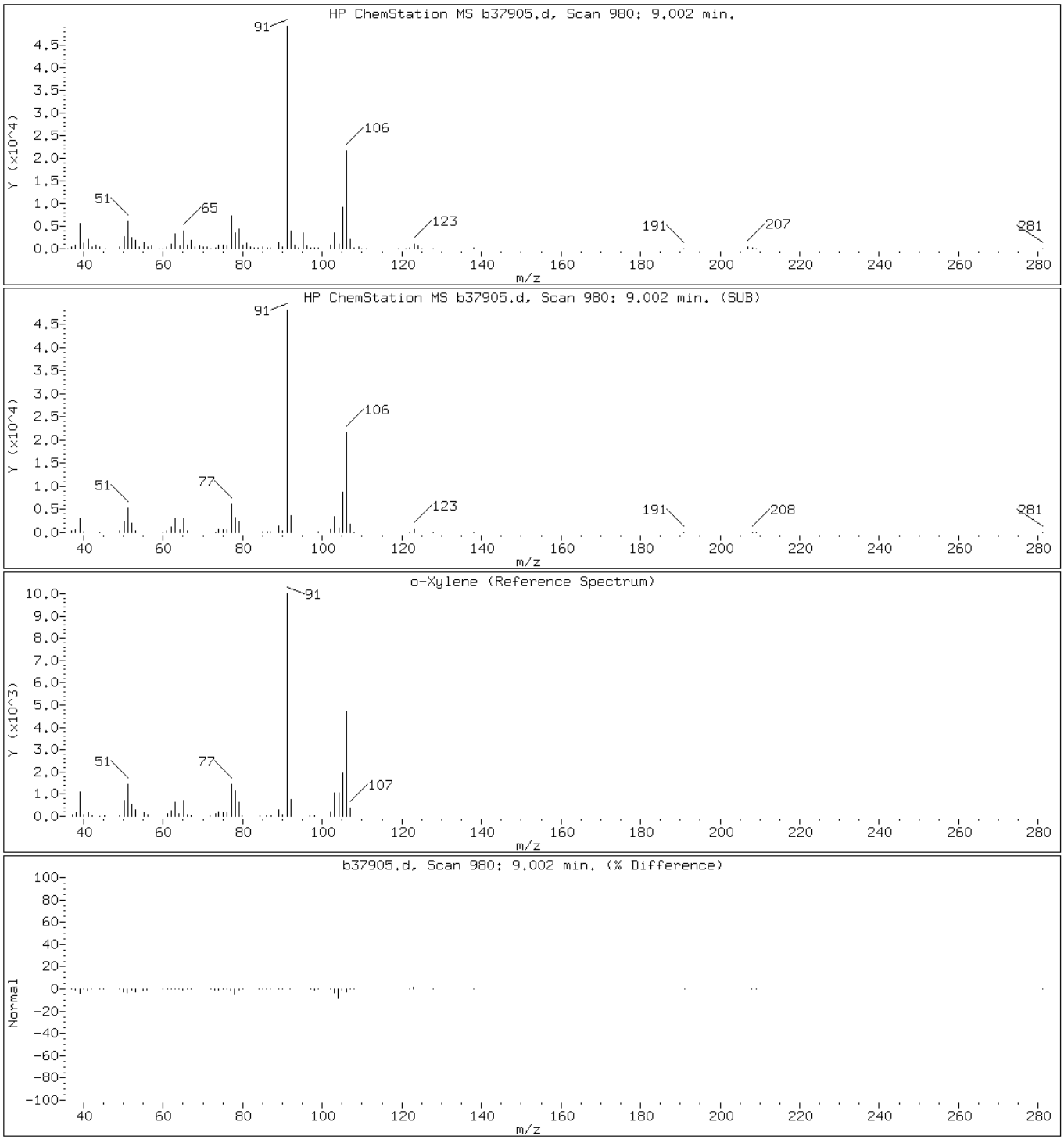
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

84 o-Xylene



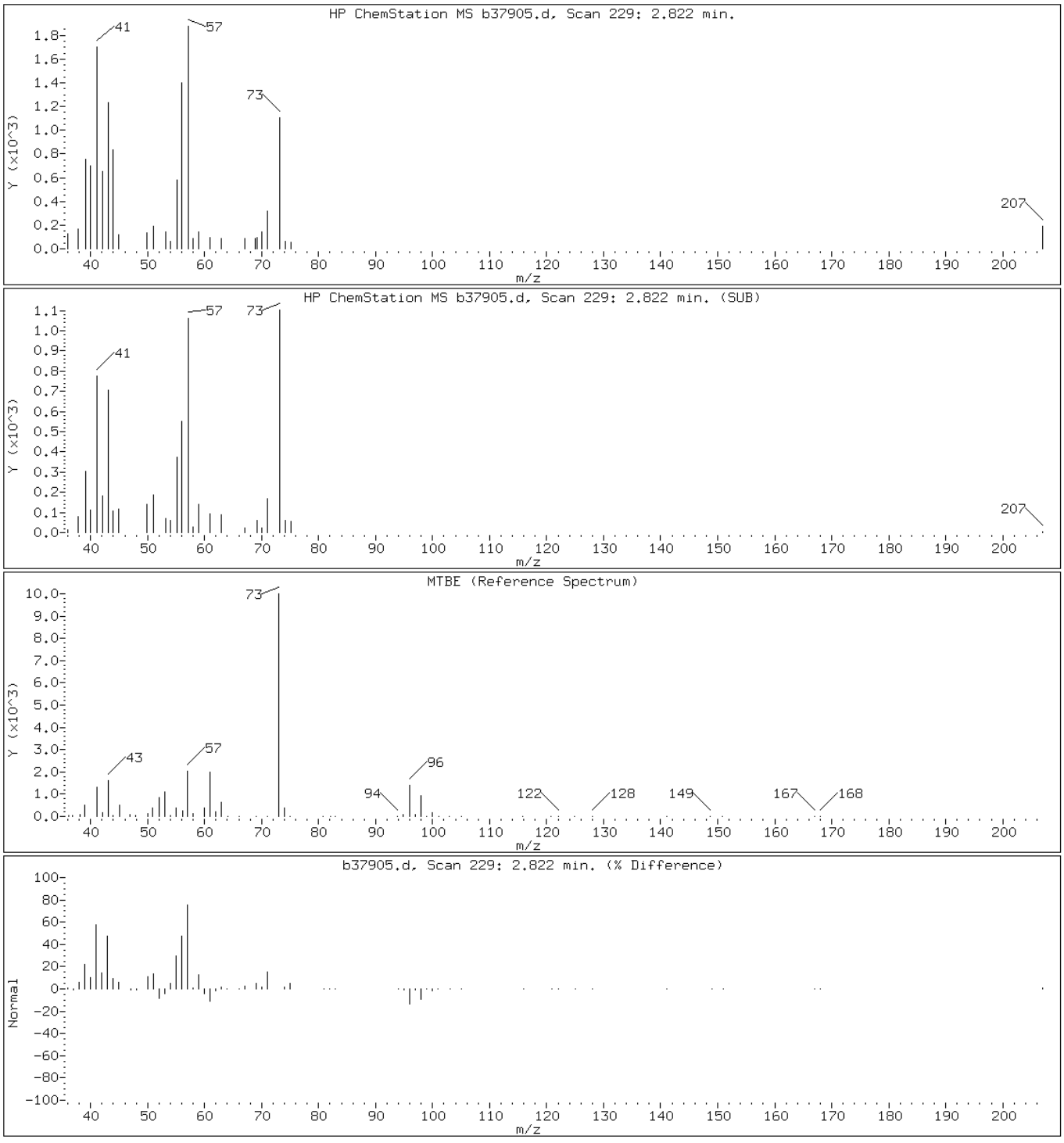
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

28 MTBE



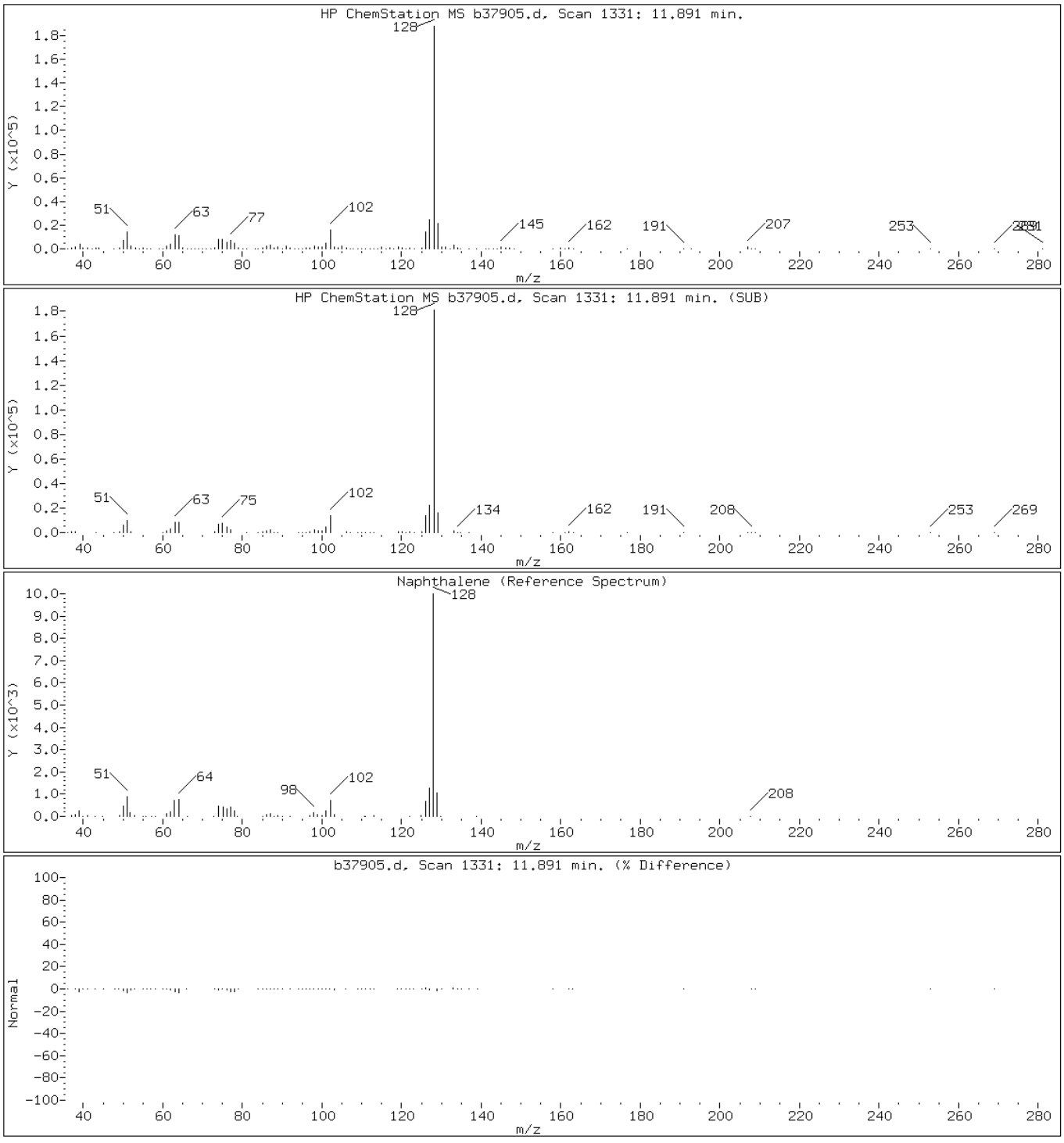
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

116 Naphthalene



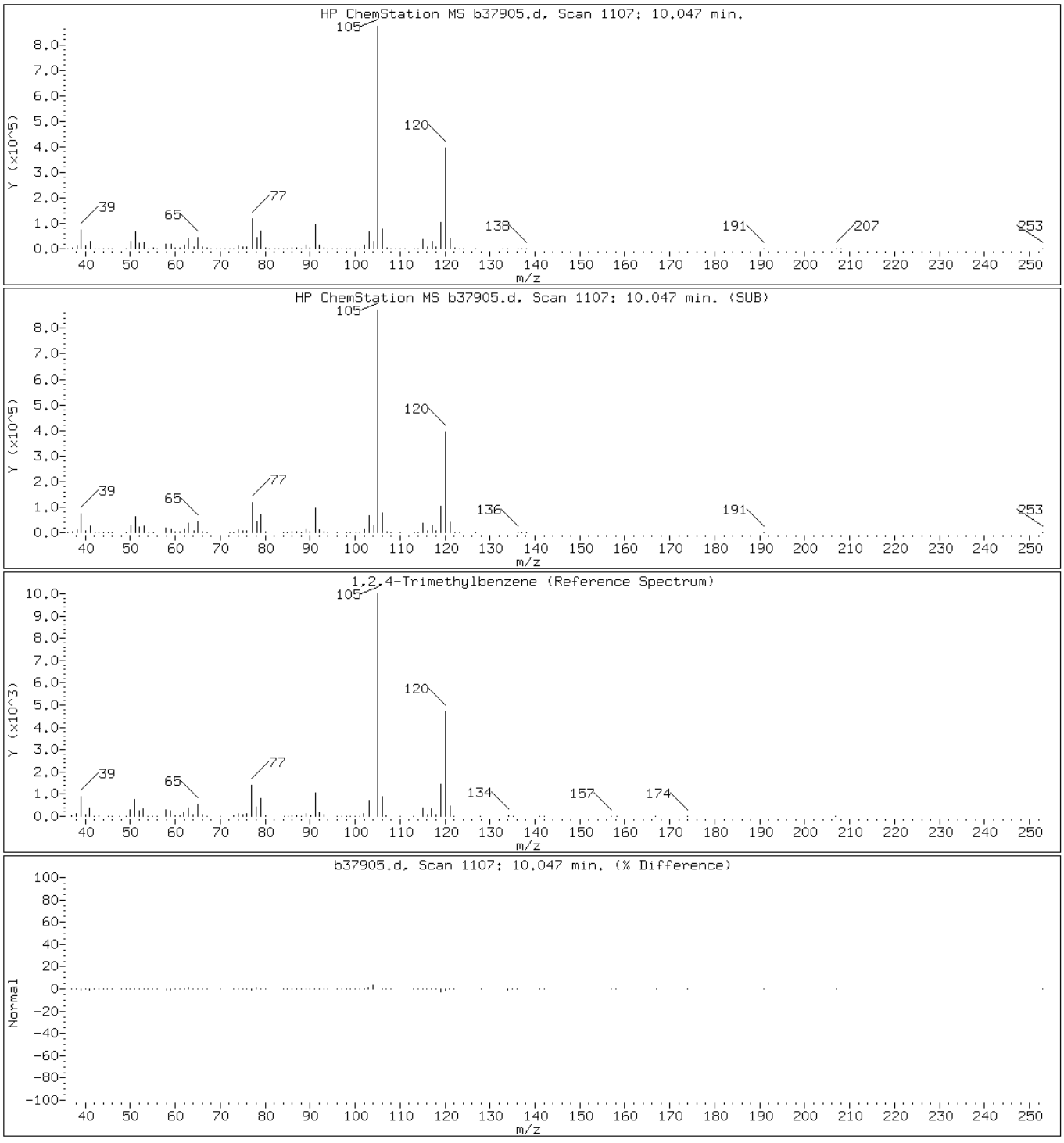
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

101 1,2,4-Trimethylbenzene



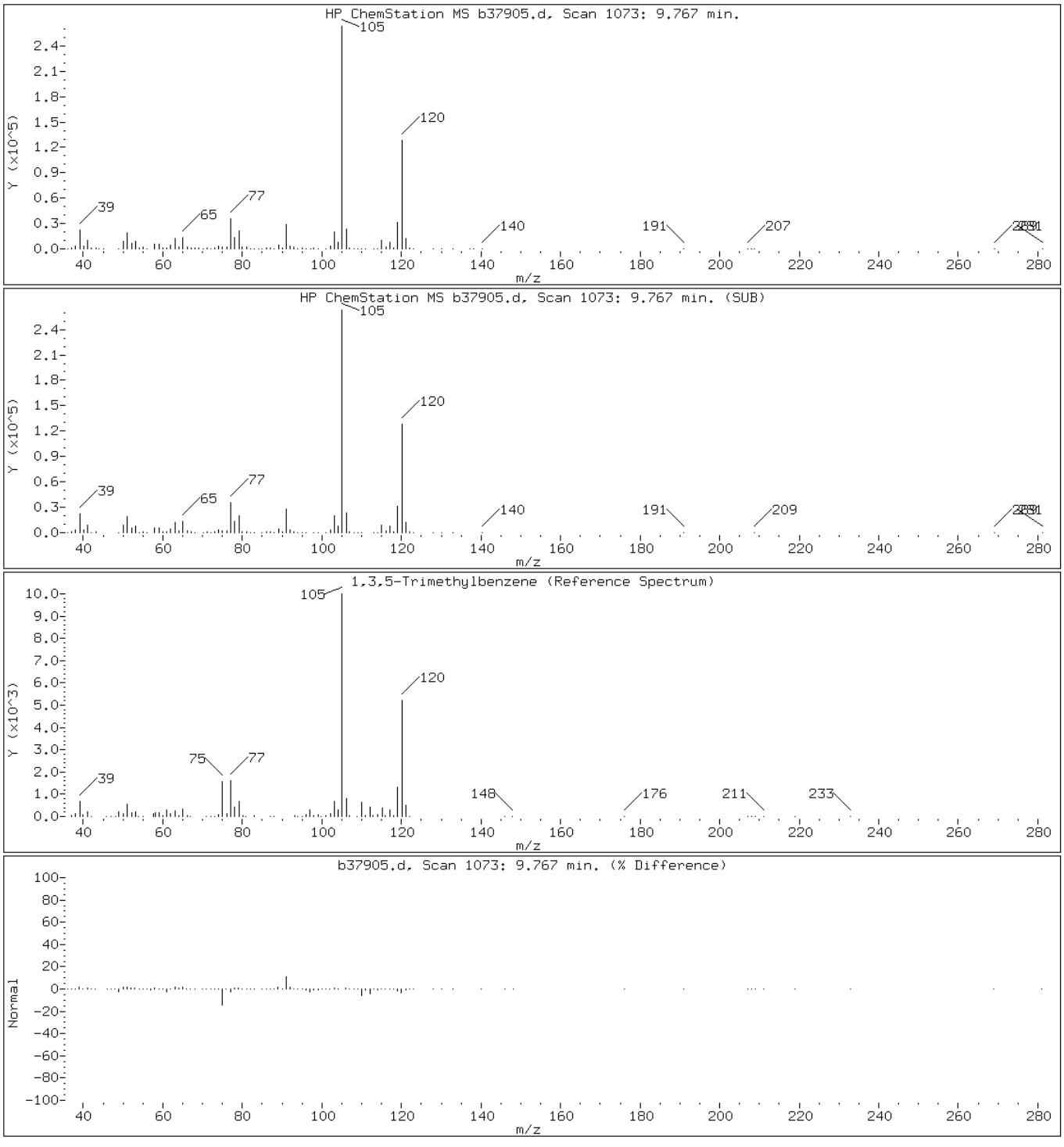
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

97 1,3,5-Trimethylbenzene



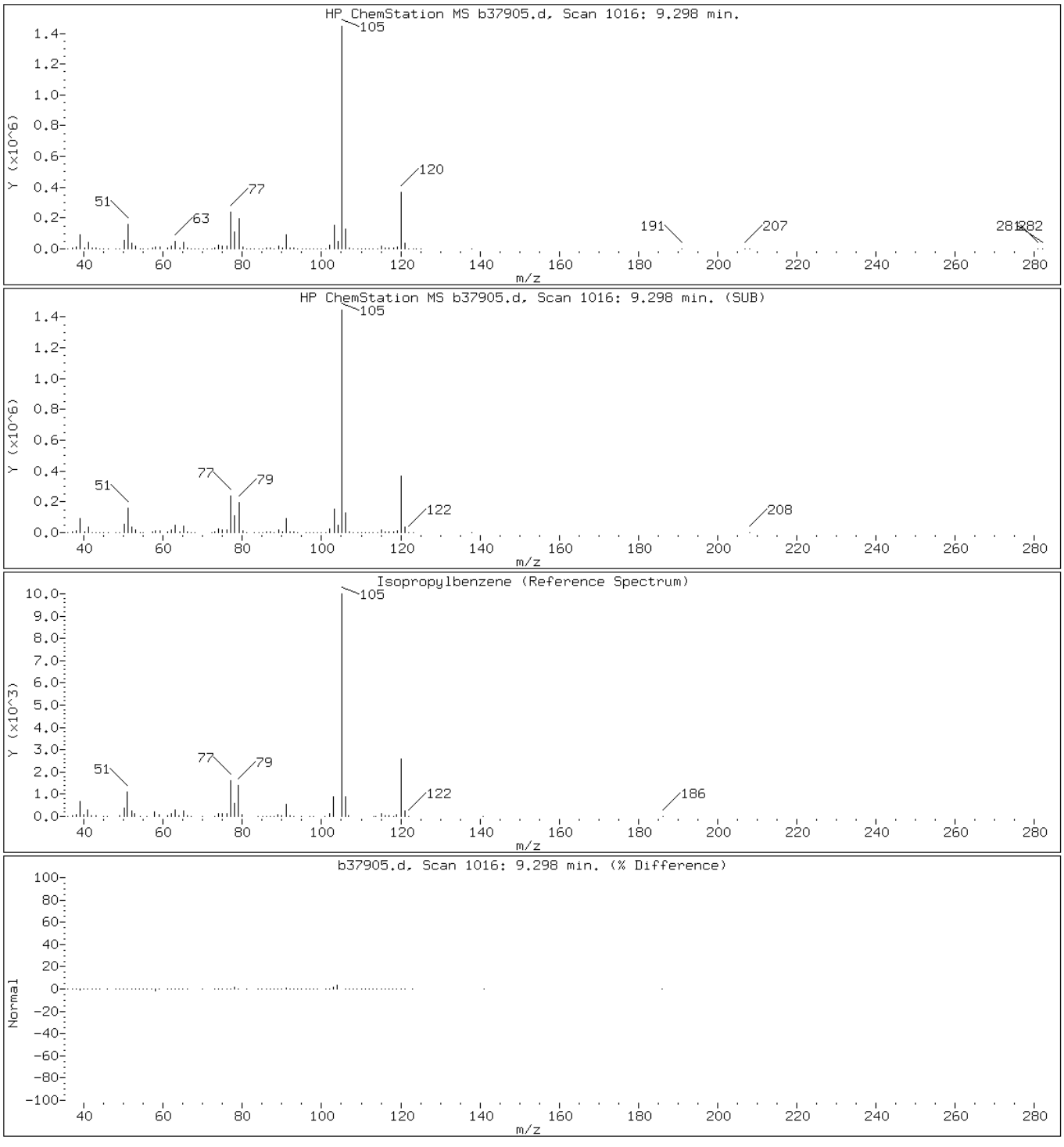
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

88 Isopropylbenzene



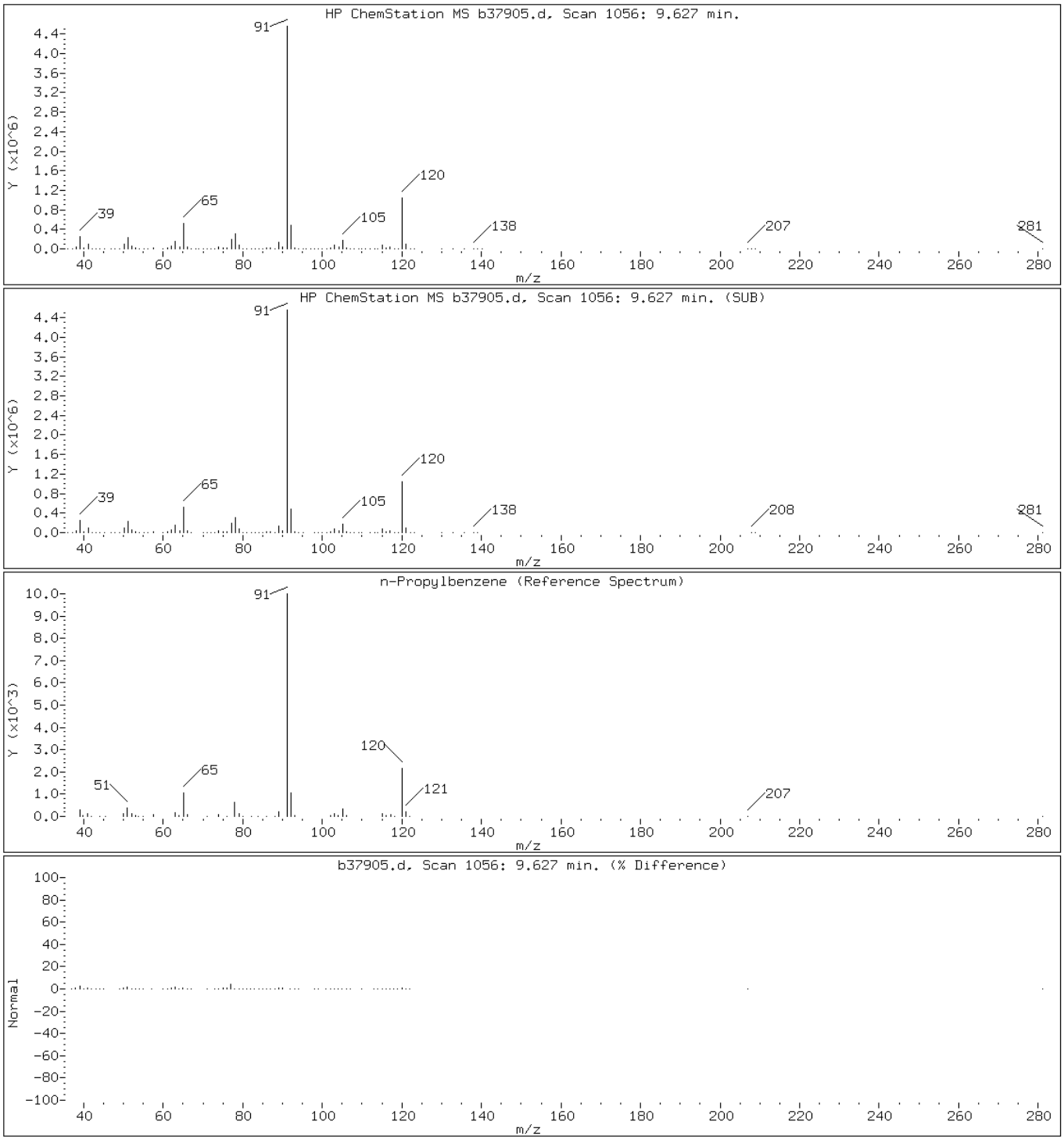
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

95 n-Propylbenzene



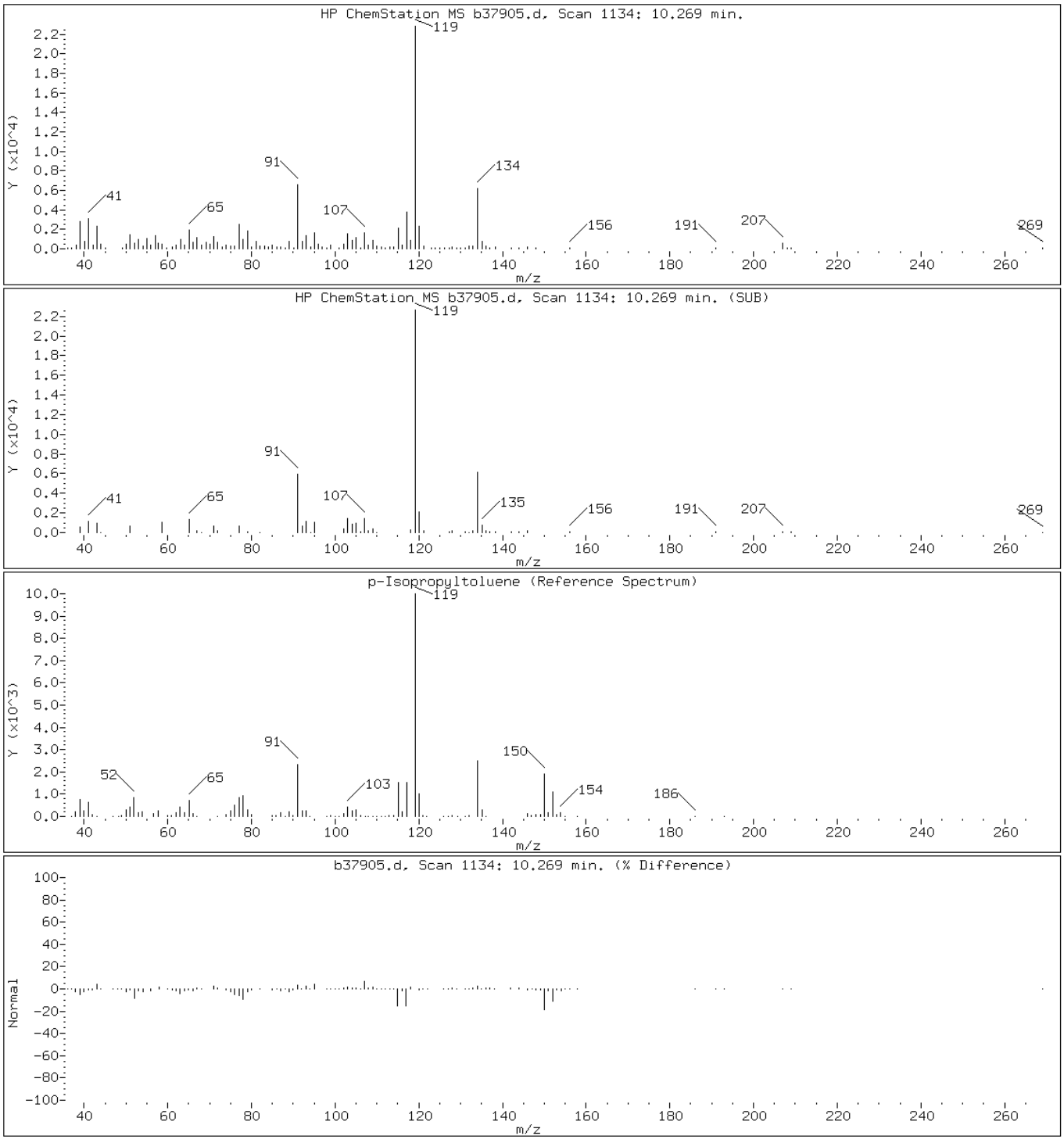
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

107 p-Isopropyltoluene



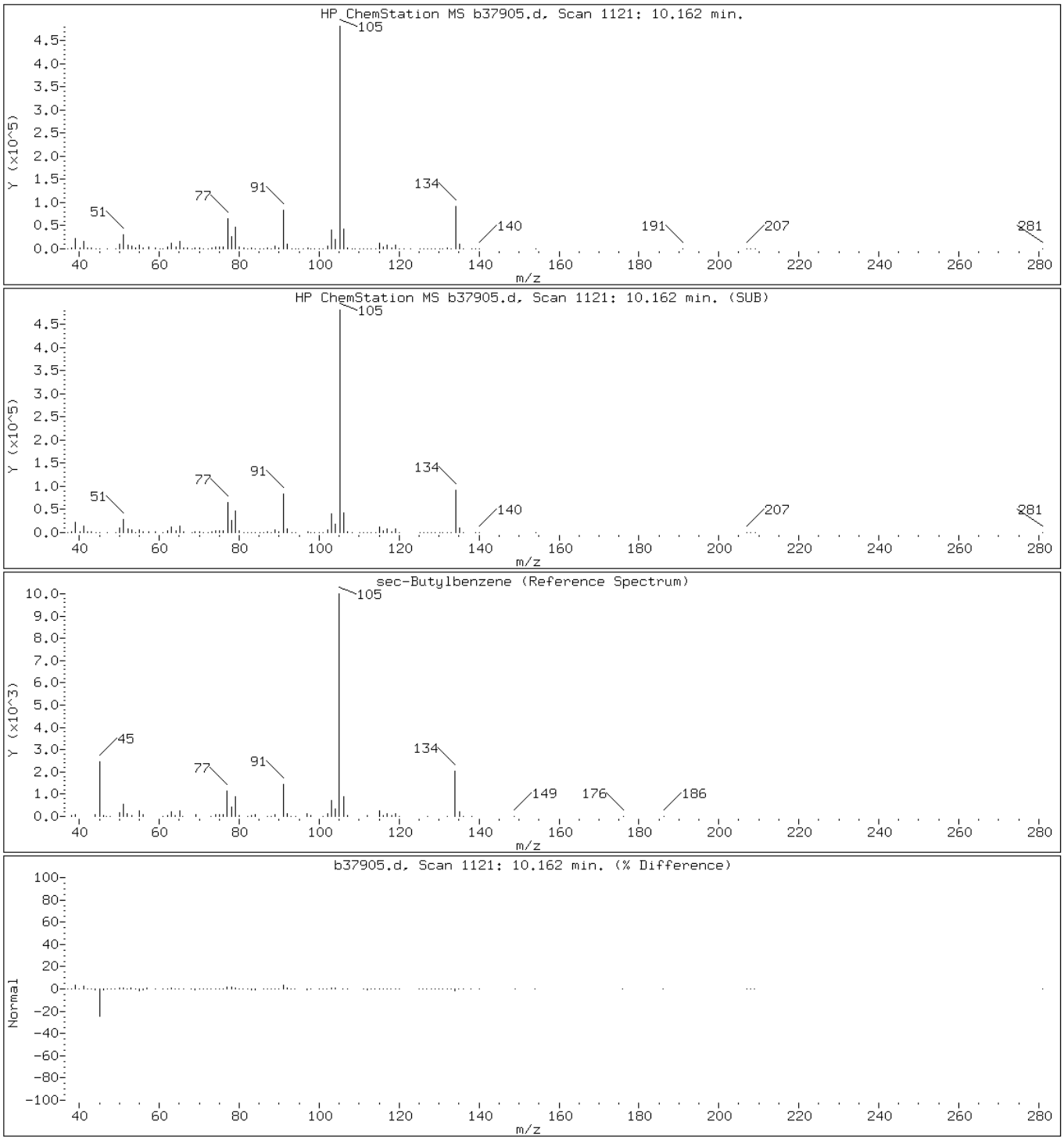
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

103 sec-Butylbenzene



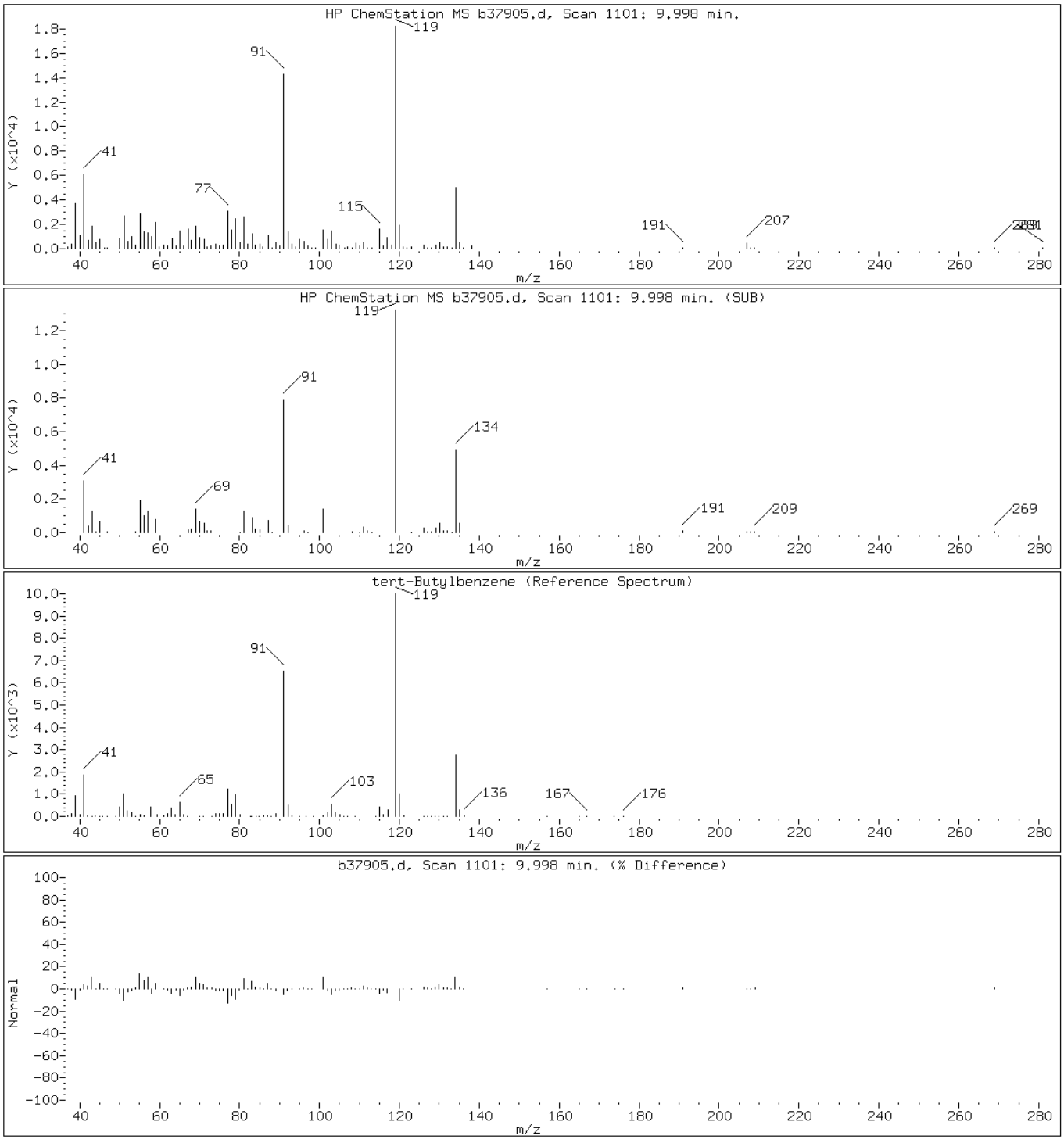
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

100 tert-Butylbenzene



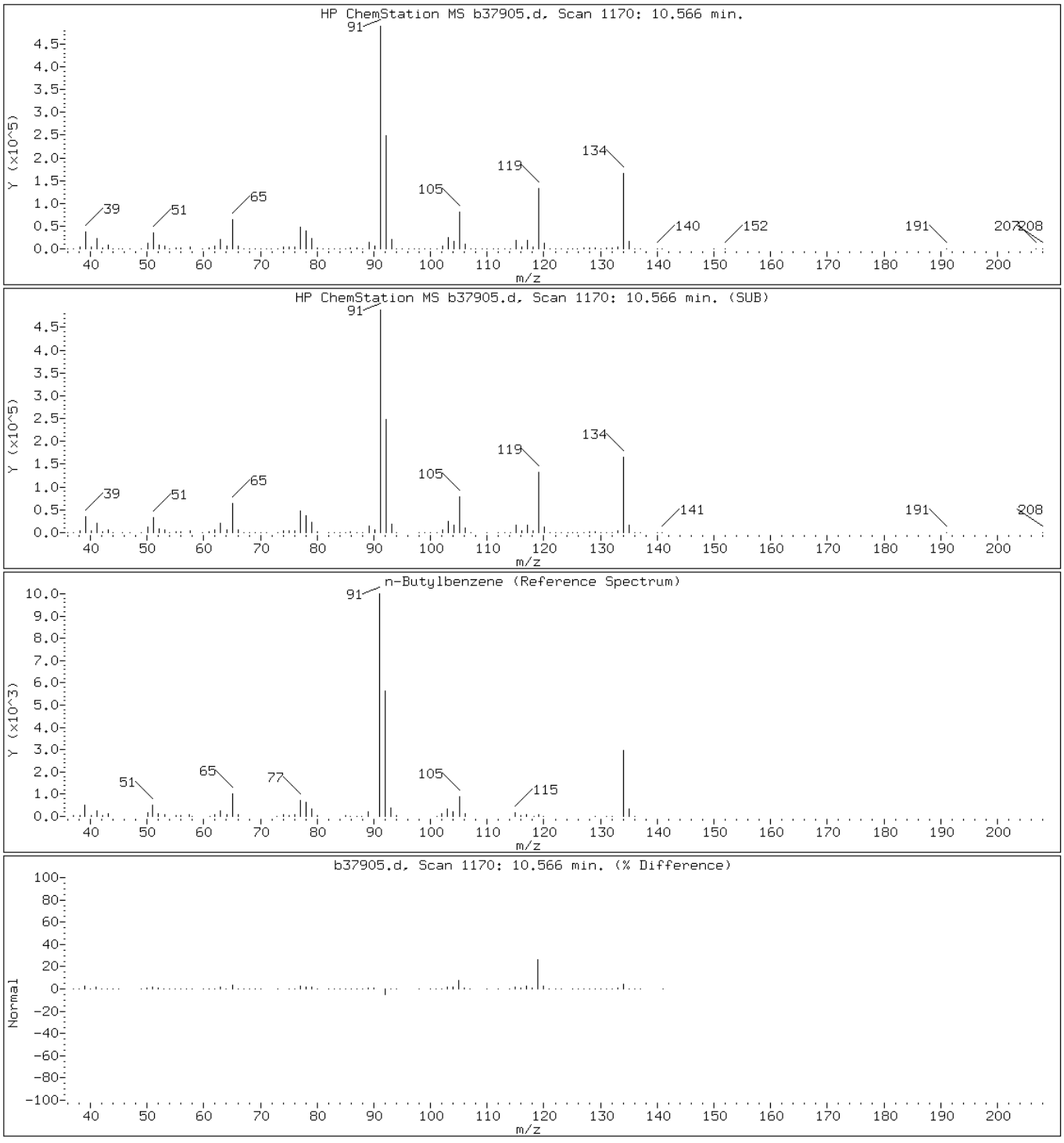
Data File: b37905.d

Date: 12-AUG-2011 18:11

Client ID: MW-SE-9 Instrument: VOAMS2.i

Sample Info: 460-29791-B-2 Operator:

106 n-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-11 Lab Sample ID: 460-29791-3

Matrix: Water Lab File ID: b37906.d

Analysis Method: 8260B Date Collected: 08/08/2011 13:43

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	0.29	J	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	0.19	J	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	0.73	J	3.0	0.43
179601-23-1	m&p-Xylene	0.52	J	2.0	0.29
95-47-6	o-Xylene	0.21	J	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-11 Lab Sample ID: 460-29791-3

Matrix: Water Lab File ID: b37906.d

Analysis Method: 8260B Date Collected: 08/08/2011 13:43

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 18:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.0	U	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	N-Propylbenzene	0.28	J	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	1.0	U	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-122
2037-26-5	Toluene-d8 (Surr)	103		69-125
460-00-4	Bromofluorobenzene	92		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37906.d
Report Date: 15-Aug-2011 17:45

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37906.d
Lab Smp Id: 460-29791-B-3 Client Smp ID: MW-SE-11
Inj Date : 12-AUG-2011 18:40
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-3
Misc Info : 460-29791-B-3
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	8 n-Pentane	72	1.793	1.793	(0.357)	2273	5.24624	5.2
	44 Cyclohexane	56	4.237	4.237	(0.844)	215666	26.0762	26
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	371013	51.7833	52
	48 Benzene	78	4.673	4.673	(0.553)	5822	0.29243	0.29(a)
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	1045640	50.0000	
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	81645	10.7871	11
$	65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	884449	51.6257	52
	66 Toluene	91	7.027	7.027	(0.832)	3952	0.19206	0.19(a)
*	78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	697074	50.0000	
	82 m+p-Xylene	106	8.665	8.665	(1.025)	4232	0.52378	0.52(a)
	84 o-Xylene	106	9.002	9.002	(1.065)	1719	0.20507	0.20(a)
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	307649	46.0901	46
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	7550	0.28427	0.28(a)
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	414377	50.0000	
	171 Indan	117	10.500	10.500	(2.092)	7739	0.35881	0.36(a)
M	121 Xylene (Total)	100				5951	0.72885	0.73(a)

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37906.d
Report Date: 15-Aug-2011 17:45

QC Flag Legend

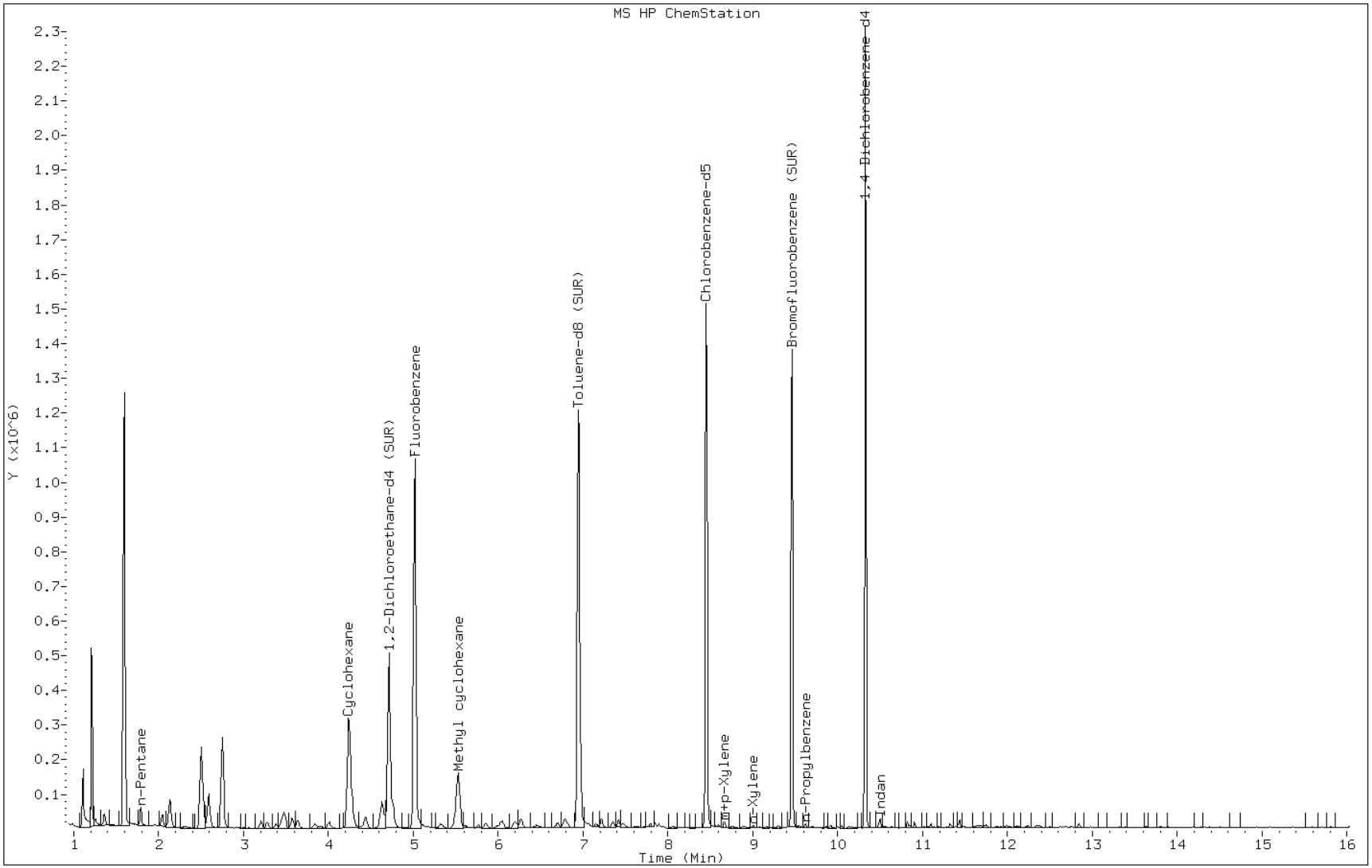
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:



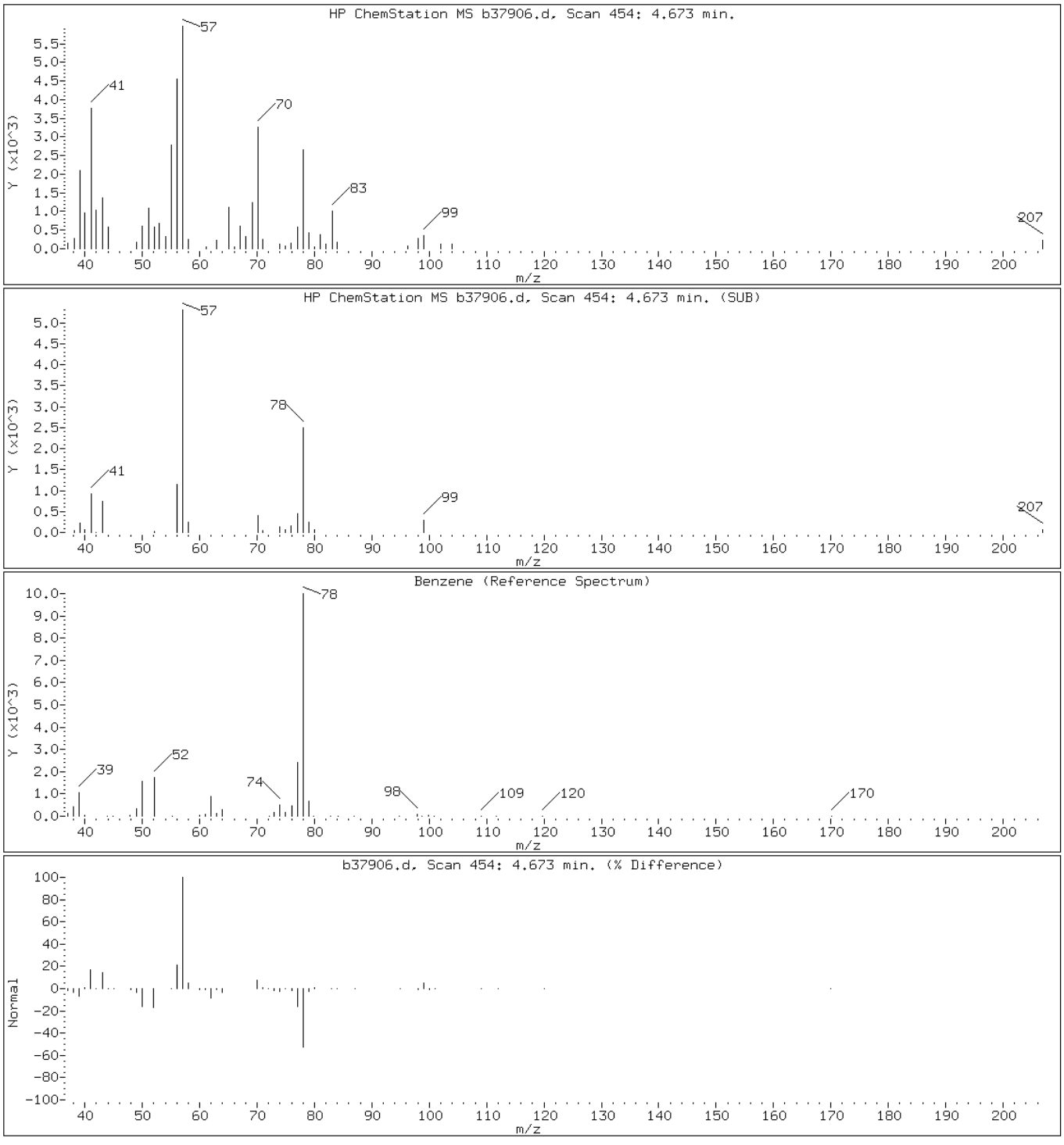
Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:

48 Benzene



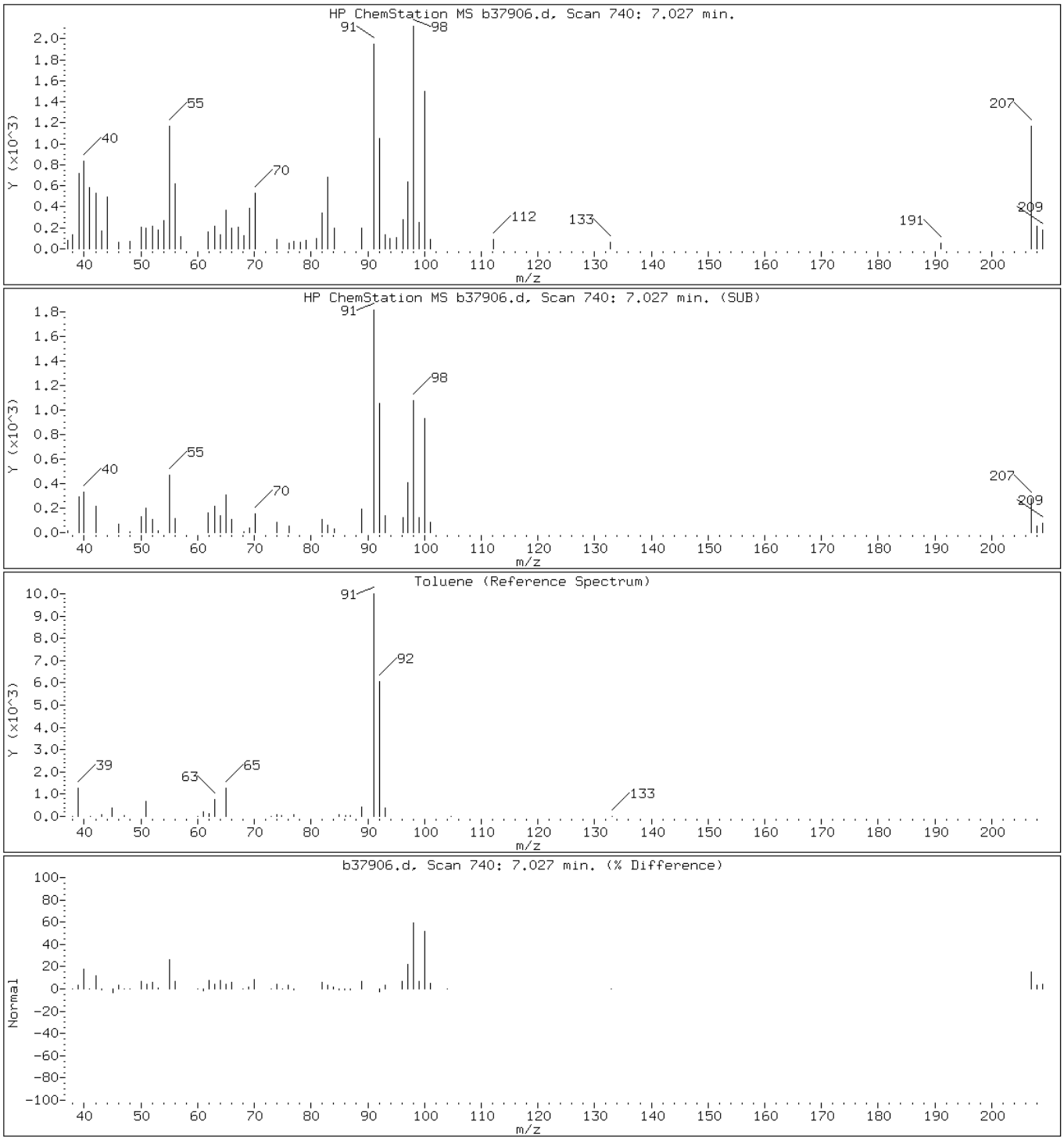
Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:

66 Toluene



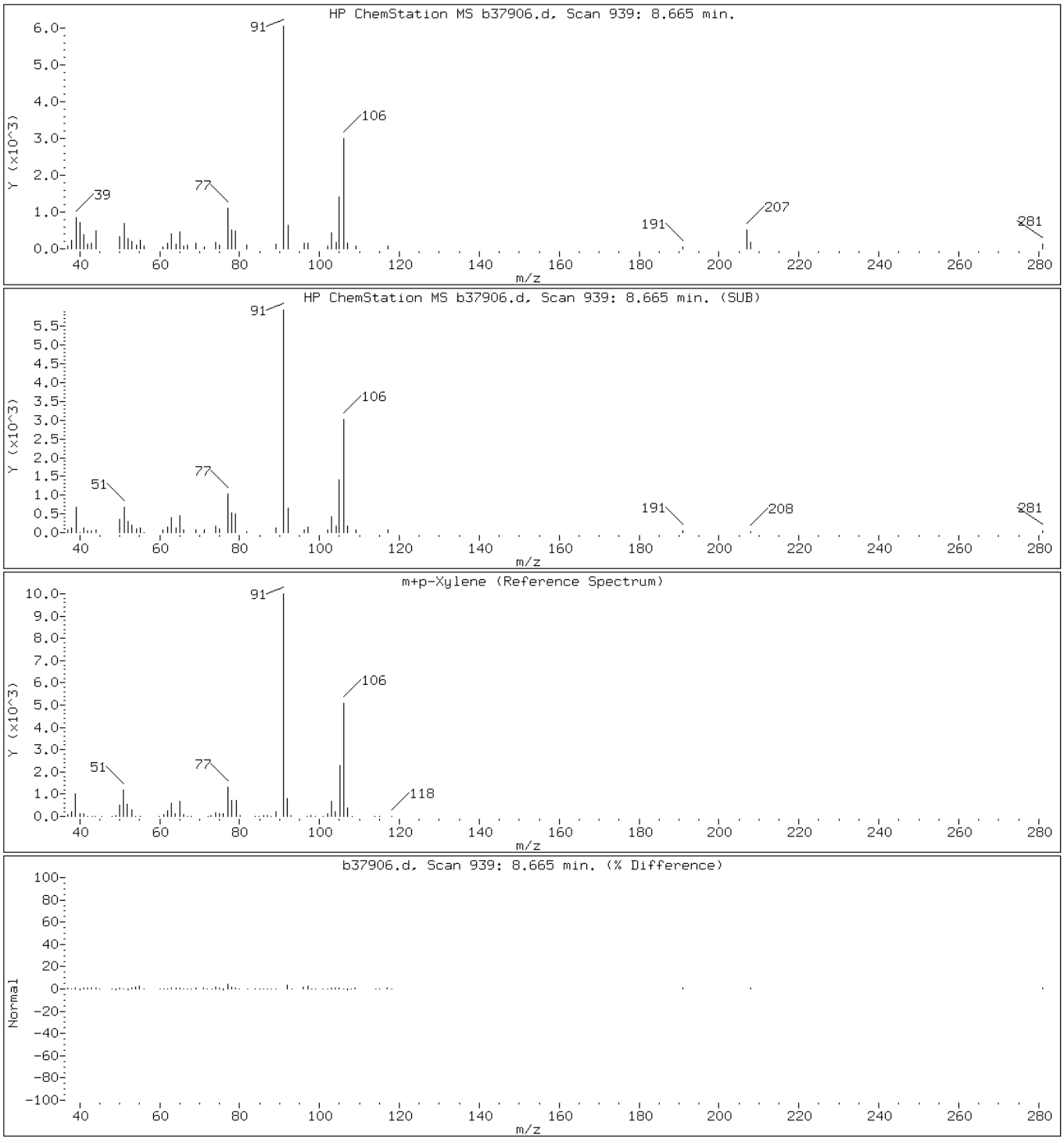
Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:

82 m+p-Xylene



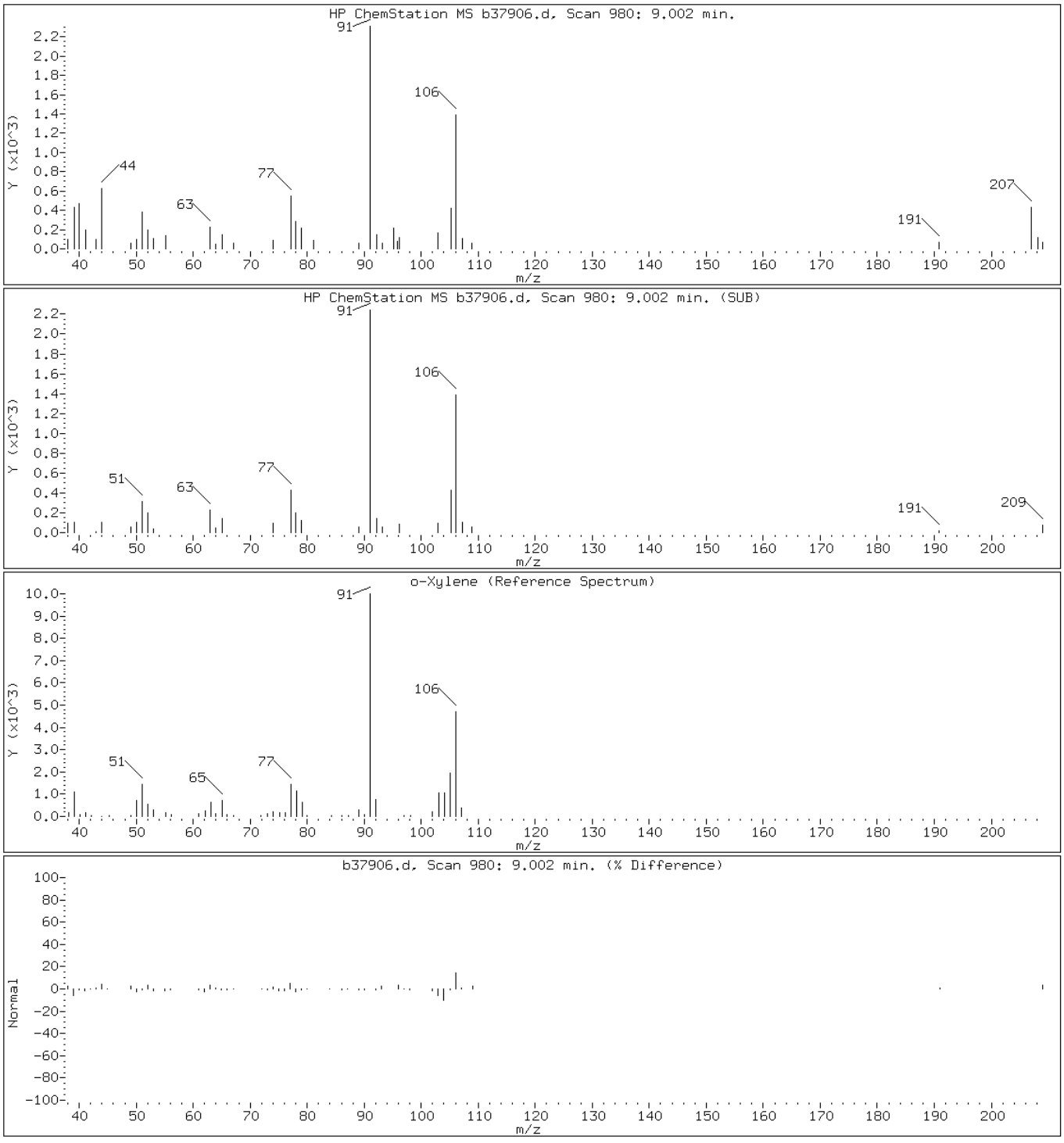
Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:

84 o-Xylene



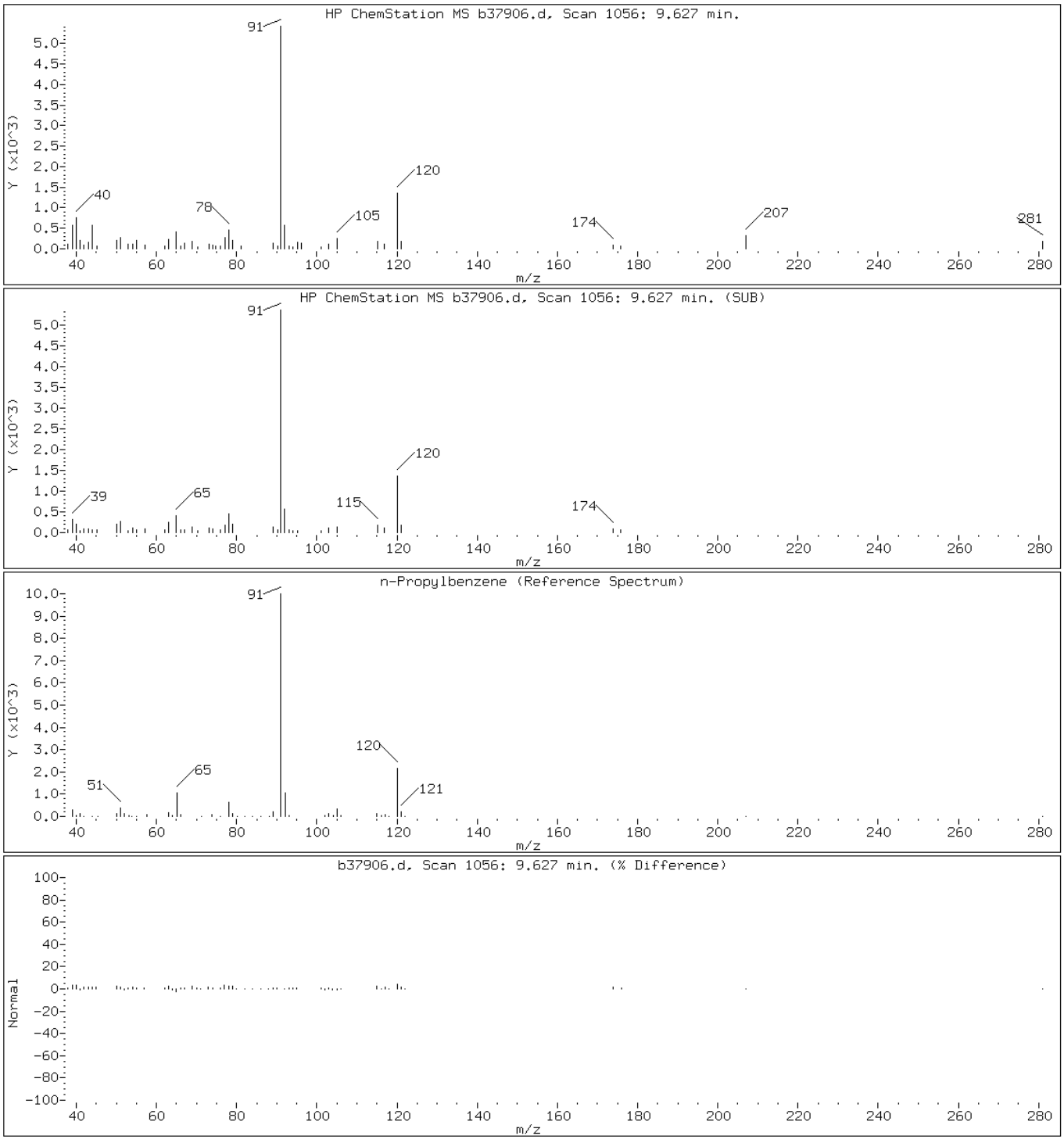
Data File: b37906.d

Date: 12-AUG-2011 18:40

Client ID: MW-SE-11 Instrument: VOAMS2.i

Sample Info: 460-29791-B-3 Operator:

95 n-Propylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 | Lab Sample ID: 460-29791-4

Matrix: Water | Lab File ID: b37896.d

Analysis Method: 8260B | Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 13:51

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	25	U	25	5.3
74-83-9	Bromomethane	25	U	25	7.8
75-01-4	Vinyl chloride	25	U	25	3.3
75-00-3	Chloroethane	25	U	25	11
75-09-2	Methylene Chloride	25	U	25	4.8
67-64-1	Acetone	250	U	250	62
75-15-0	Carbon disulfide	25	U	25	3.8
75-35-4	1,1-Dichloroethene	25	U	25	3.5
75-34-3	1,1-Dichloroethane	25	U	25	2.5
156-60-5	trans-1,2-Dichloroethene	25	U	25	3.5
156-59-2	cis-1,2-Dichloroethene	25	U	25	5.0
67-66-3	Chloroform	25	U	25	3.8
107-06-2	1,2-Dichloroethane	25	U	25	6.0
78-93-3	2-Butanone	250	U	250	21
71-55-6	1,1,1-Trichloroethane	25	U	25	6.3
56-23-5	Carbon tetrachloride	25	U	25	4.8
75-27-4	Bromodichloromethane	25	U	25	2.3
78-87-5	1,2-Dichloropropane	25	U	25	2.3
10061-01-5	cis-1,3-Dichloropropene	25	U	25	2.8
79-01-6	Trichloroethene	25	U	25	4.5
79-00-5	1,1,2-Trichloroethane	25	U	25	2.5
71-43-2	Benzene	4700		25	3.3
10061-02-6	trans-1,3-Dichloropropene	25	U	25	3.0
75-25-2	Bromoform	25	U	25	2.5
108-10-1	Methyl isobutyl ketone (MIBK)	250	U	250	17
591-78-6	2-Hexanone	250	U	250	14
127-18-4	Tetrachloroethene	25	U	25	5.0
79-34-5	1,1,2,2-Tetrachloroethane	25	U	25	2.3
108-88-3	Toluene	590		25	2.3
108-90-7	Chlorobenzene	25	U	25	4.0
100-41-4	Ethylbenzene	2000		25	6.3
100-42-5	Styrene	25	U	25	3.3
1330-20-7	Xylenes, Total	7000		75	11
179601-23-1	m&p-Xylene	6300		50	7.3
95-47-6	o-Xylene	720		25	3.8
1634-04-4	MTBE	25	U	25	4.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 Lab Sample ID: 460-29791-4

Matrix: Water Lab File ID: b37896.d

Analysis Method: 8260B Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 13:51

Soil Aliquot Vol: Dilution Factor: 25

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	560		25	15
95-63-6	1,2,4-Trimethylbenzene	1700		25	5.0
108-67-8	1,3,5-Trimethylbenzene	430		25	4.8
74-95-3	Dibromomethane	25	U	25	4.8
98-82-8	Isopropylbenzene	140		25	5.3
103-65-1	N-Propylbenzene	230		25	4.5
99-87-6	p-Isopropyltoluene	13	J	25	4.8
135-98-8	sec-Butylbenzene	12	J	25	5.0
98-06-6	tert-Butylbenzene	25	U	25	4.5
104-51-8	n-Butylbenzene	25	U	25	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-122
2037-26-5	Toluene-d8 (Surr)	102		69-125
460-00-4	Bromofluorobenzene	96		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37896.d
Report Date: 15-Aug-2011 17:35

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37896.d
Lab Smp Id: 460-29791-B-4 Client Smp ID: MW-SE-7
Inj Date : 12-AUG-2011 13:51
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-4;25
Misc Info : 460-29791-B-4
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 1
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	25.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	Compounds							
8	n-Pentane	72	1.793	1.793	(0.357)	27681	63.9441	1600
170	Cyclopentene	67	2.509	2.509	(0.500)	111681	8.39208	210
29	Hexane	56	2.994	2.994	(0.597)	43832	12.9114	320
44	Cyclohexane	56	4.237	4.237	(0.844)	236138	28.5758	710
$ 47	1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	372395	52.0204	52
48	Benzene	78	4.673	4.673	(0.553)	3923313	187.332	4700
* 52	Fluorobenzene	96	5.019	5.019	(1.000)	1044750	50.0000	
56	Methyl cyclohexane	83	5.529	5.529	(1.102)	127830	16.9035	420
$ 65	Toluene-d8 (SUR)	98	6.944	6.945	(0.822)	918913	50.9886	51
66	Toluene	91	7.027	7.027	(0.832)	511943	23.6515	590
* 78	Chlorobenzene-d5	117	8.451	8.451	(1.000)	733286	50.0000	
81	Ethylbenzene	106	8.558	8.558	(1.013)	571372	81.9785	2000
82	m+p-Xylene	106	8.665	8.665	(1.025)	2134380	251.120	6300
84	o-Xylene	106	9.002	9.002	(1.065)	255200	28.9413	720
88	Isopropylbenzene	105	9.298	9.298	(1.100)	119586	5.53383	140
$ 89	Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	326690	48.1735	48

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37896.d
Report Date: 15-Aug-2011 17:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	248412	9.20622	230
	97 1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	341412	17.2556	430
	101 1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	1369227	67.1073	1700
	103 sec-Butylbenzene	105	10.162	10.162	(0.984)	10946	0.49441	12(a)
	107 p-Isopropyltoluene	119	10.269	10.269	(0.994)	9788	0.52874	13(a)
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	420994	50.0000	
	171 Indan	117	10.500	10.500	(2.092)	500250	23.2132	580
	116 Naphthalene	128	11.891	11.891	(1.151)	456814	22.5440	560
M	121 Xylene (Total)	100				2389580	280.061	7000

QC Flag Legend

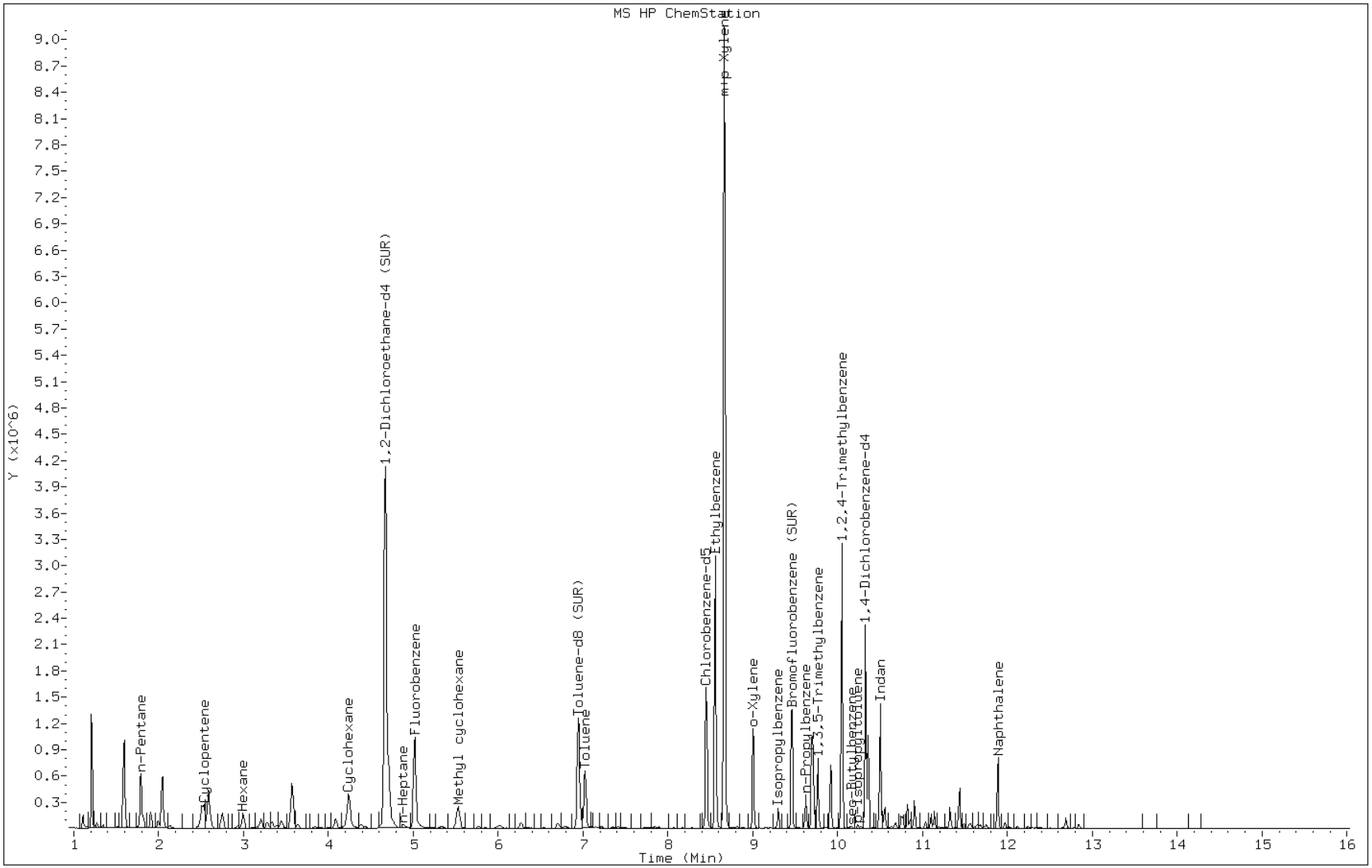
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:



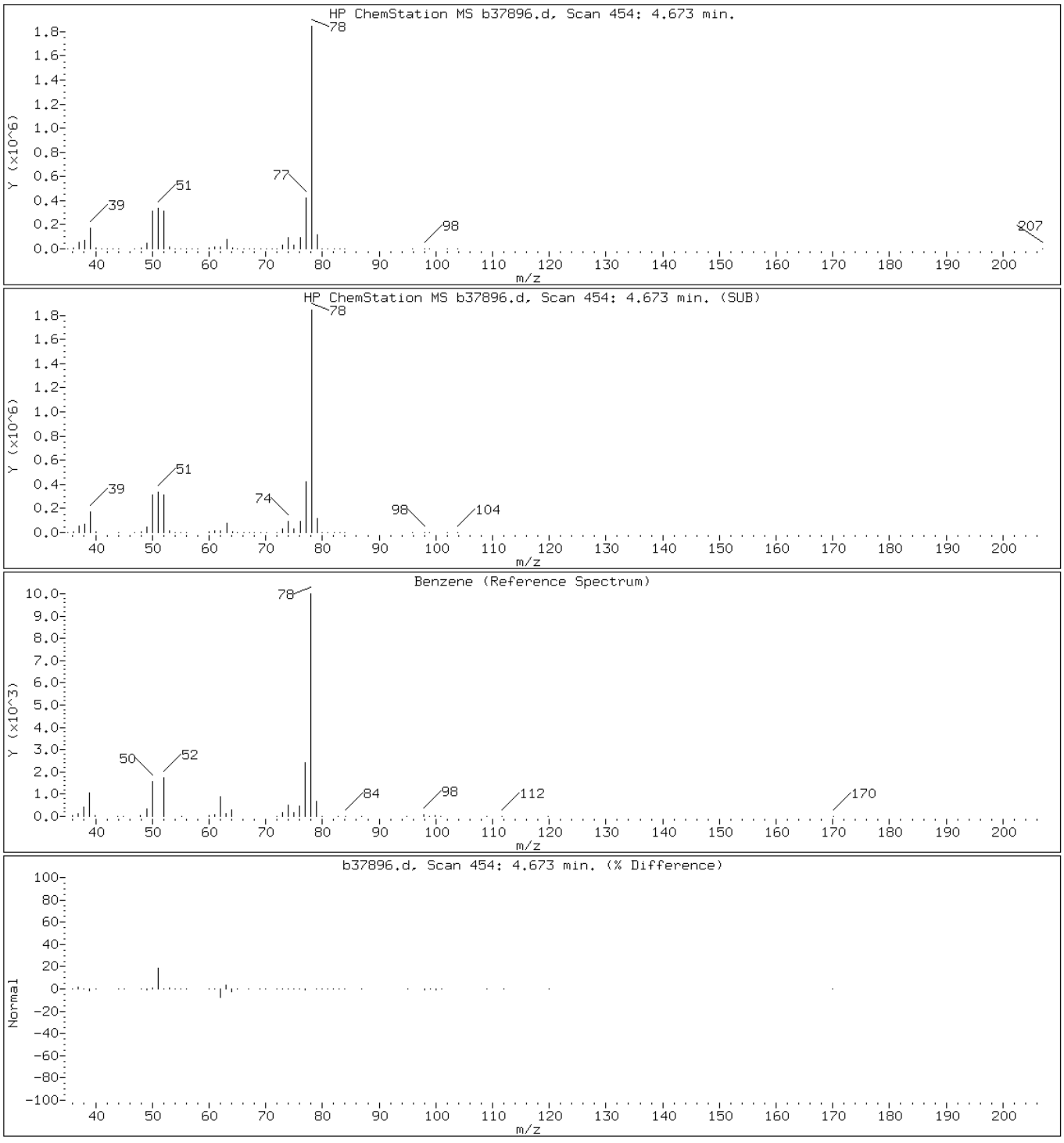
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

48 Benzene



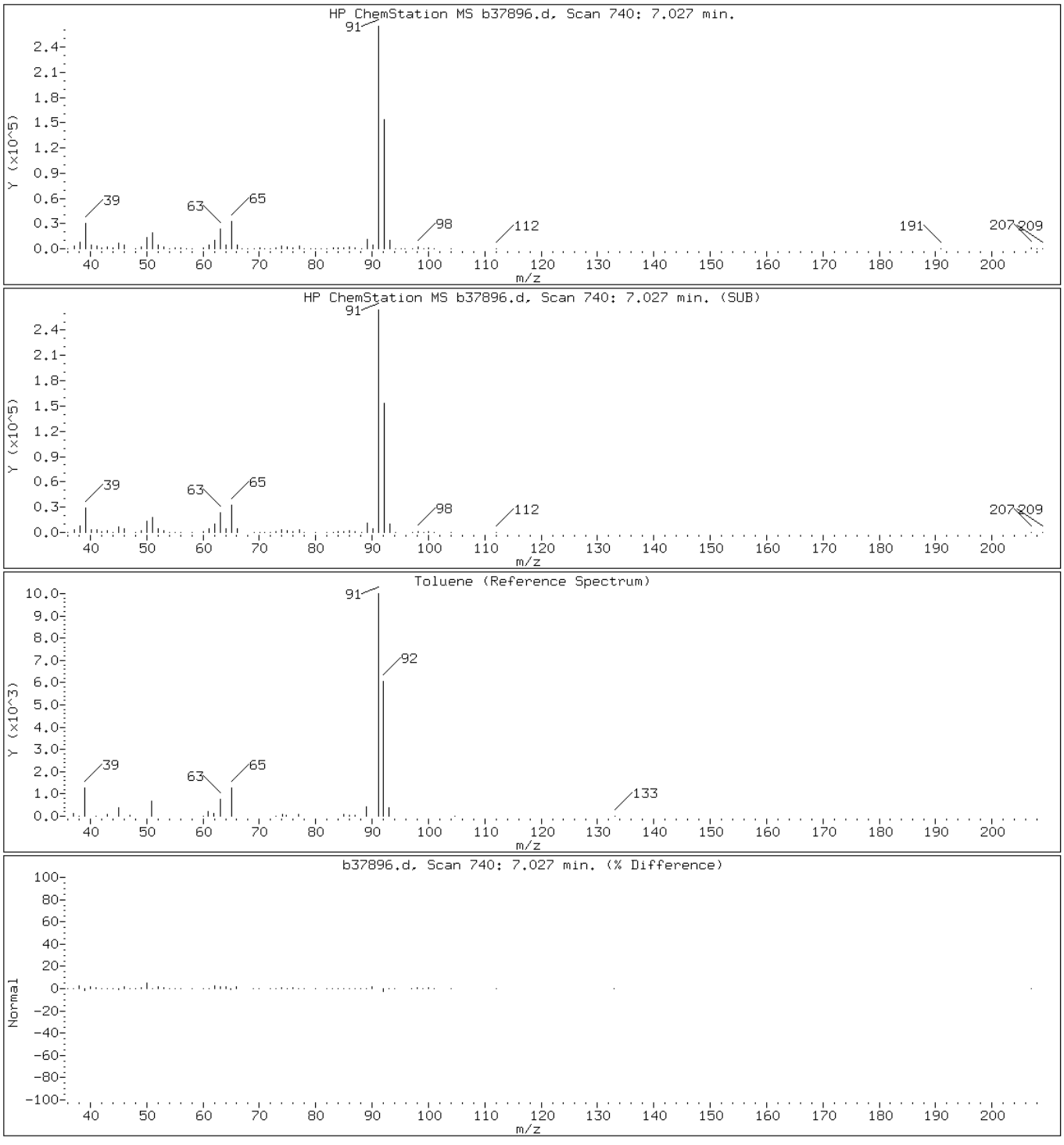
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

66 Toluene



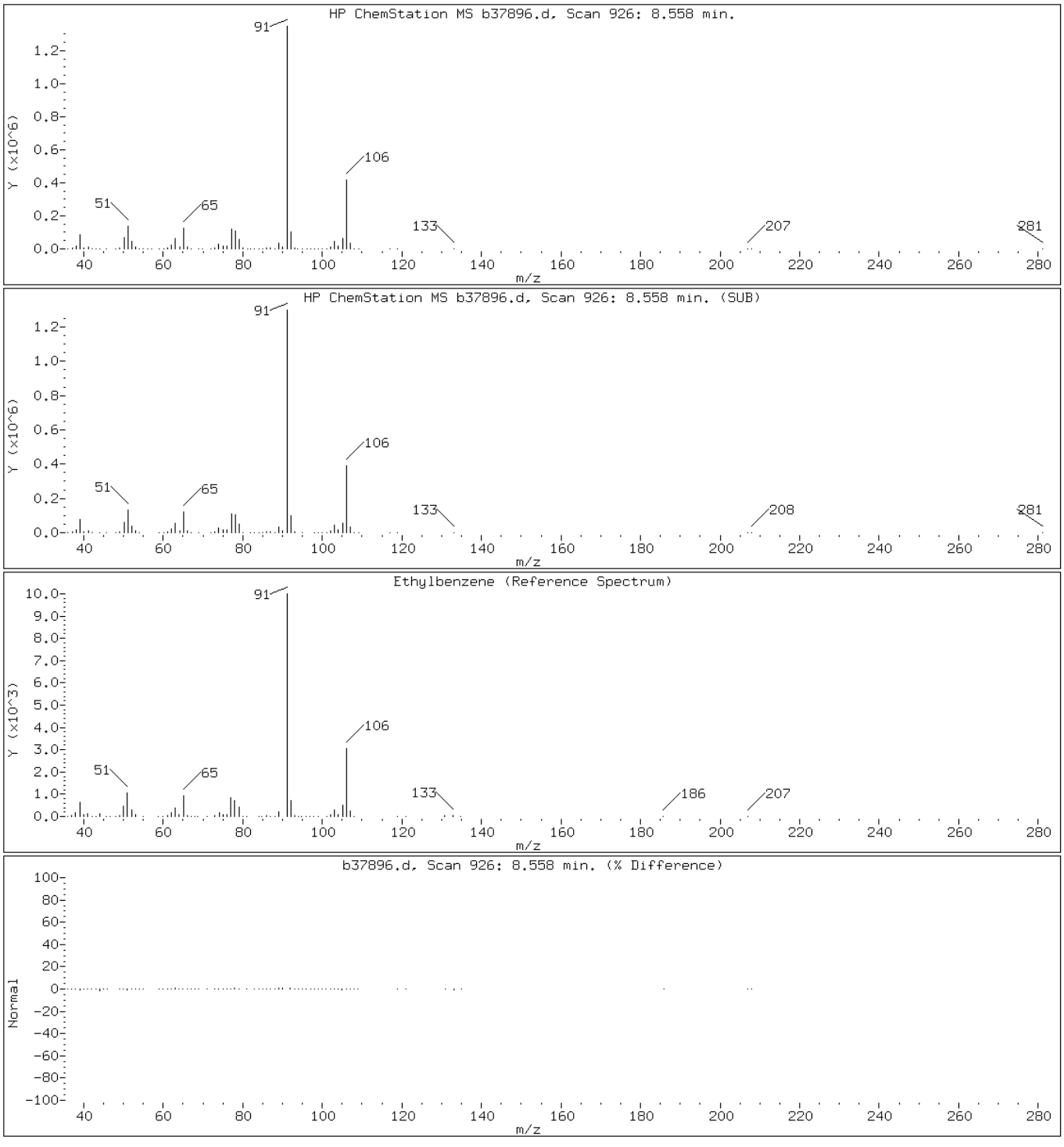
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

81 Ethylbenzene



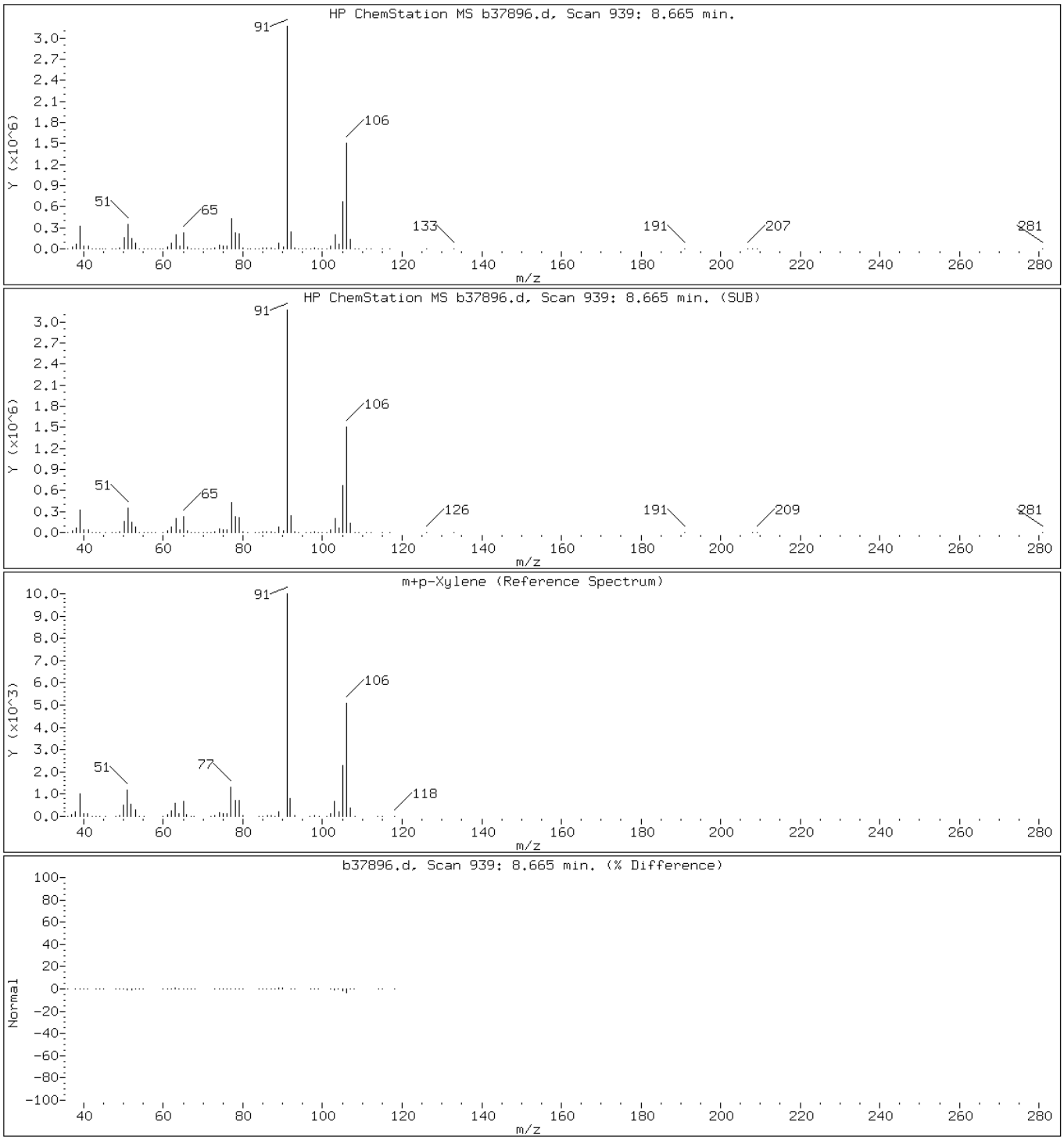
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

82 m+p-Xylene



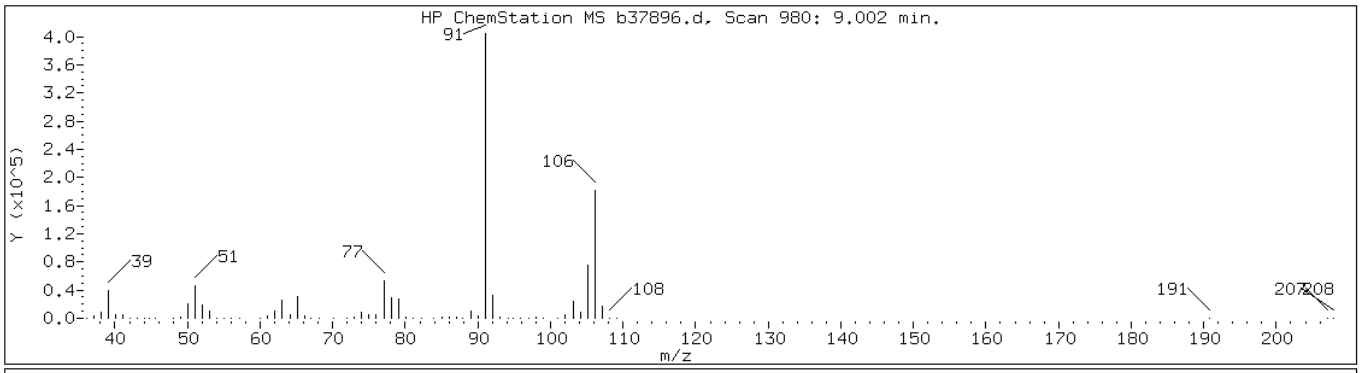
Data File: b37896.d

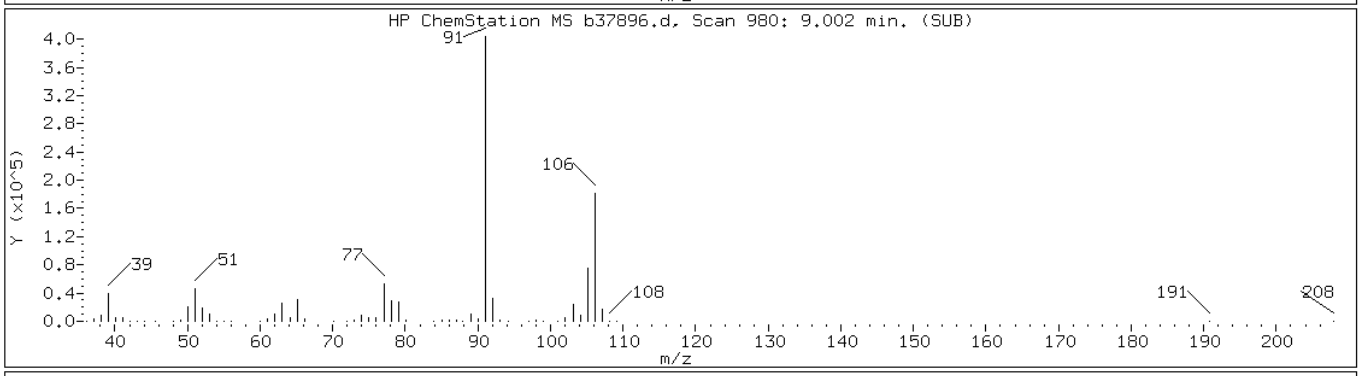
Date: 12-AUG-2011 13:51

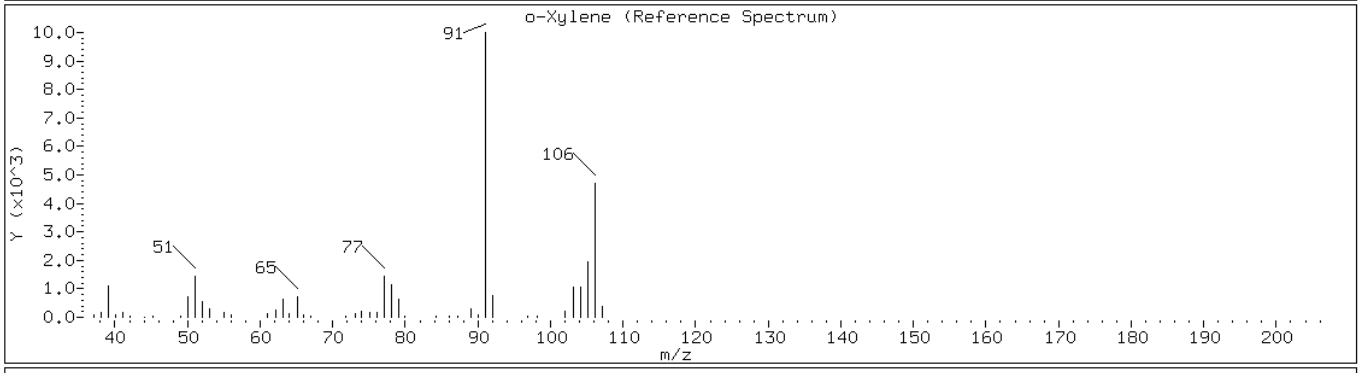
Client ID: MW-SE-7 Instrument: VOAMS2.i

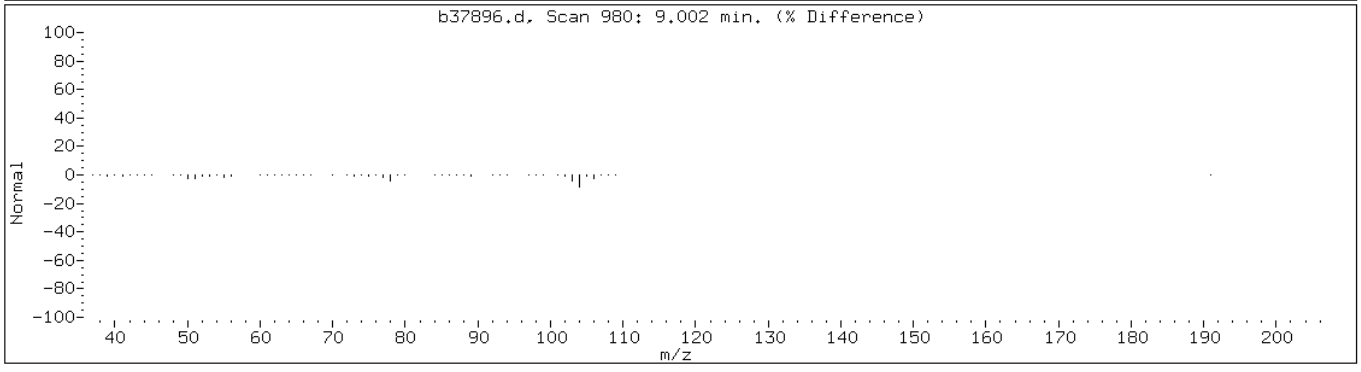
Sample Info: 460-29791-B-4;25 Operator:

84 o-Xylene









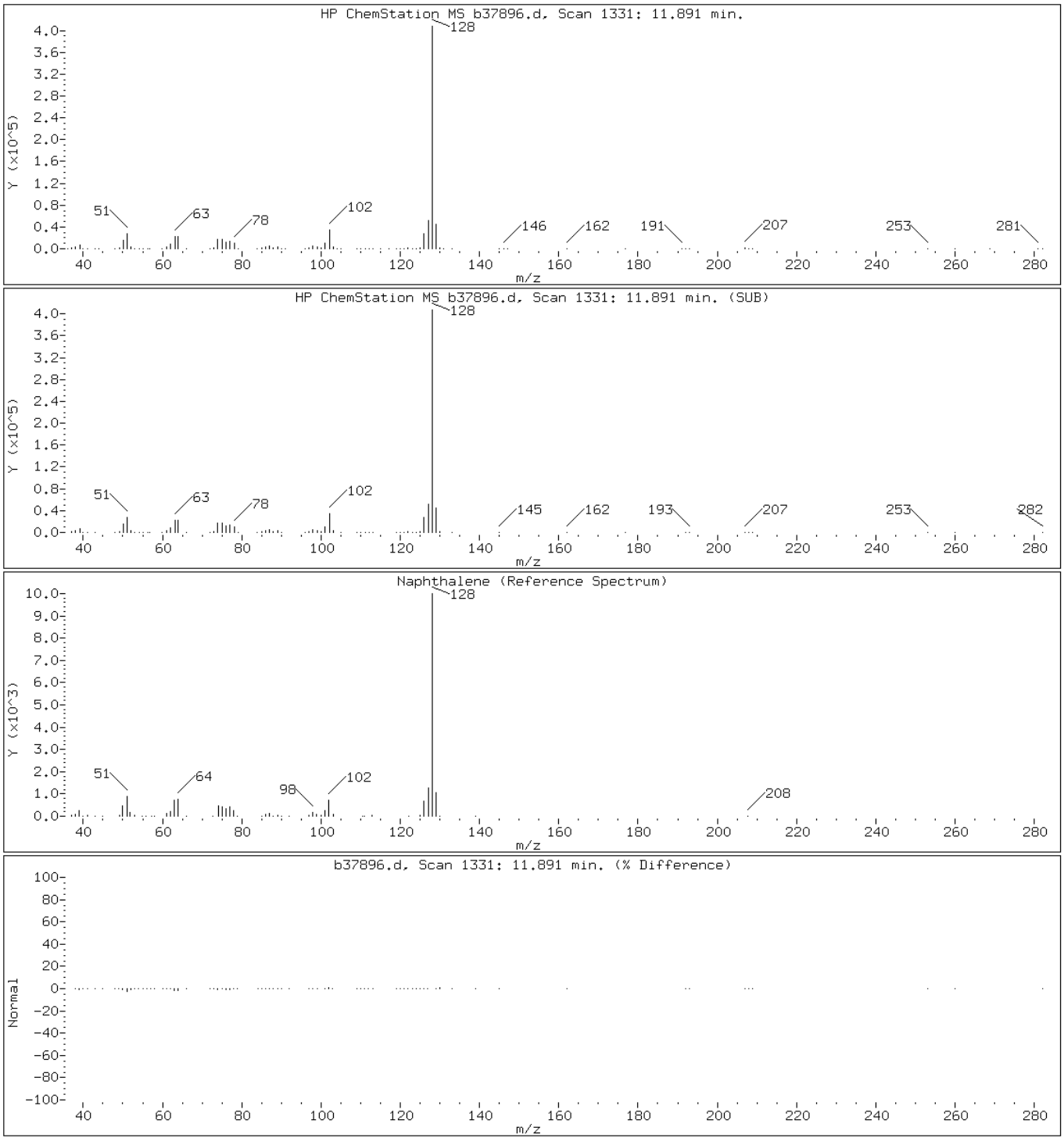
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

116 Naphthalene



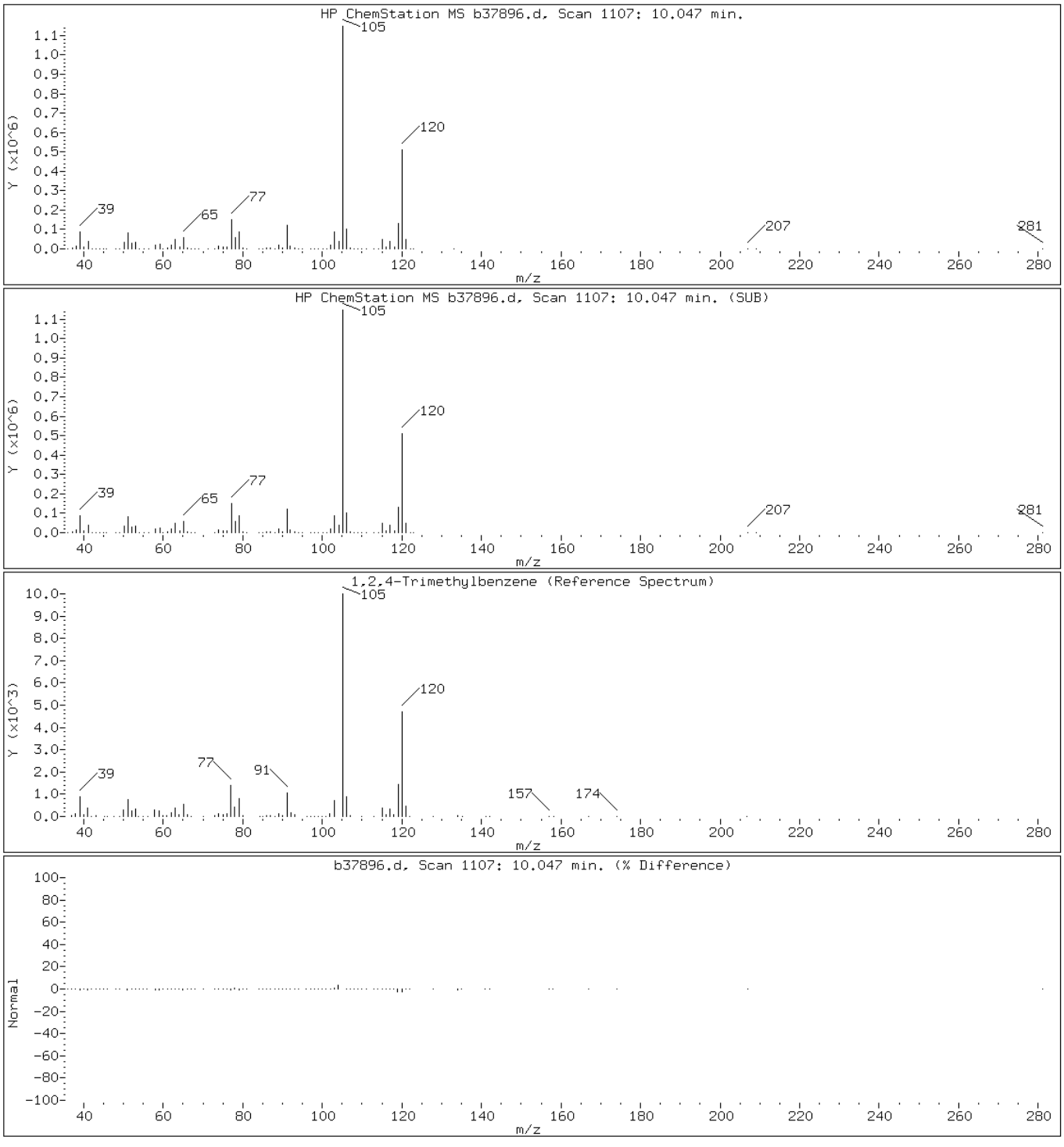
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

101 1,2,4-Trimethylbenzene



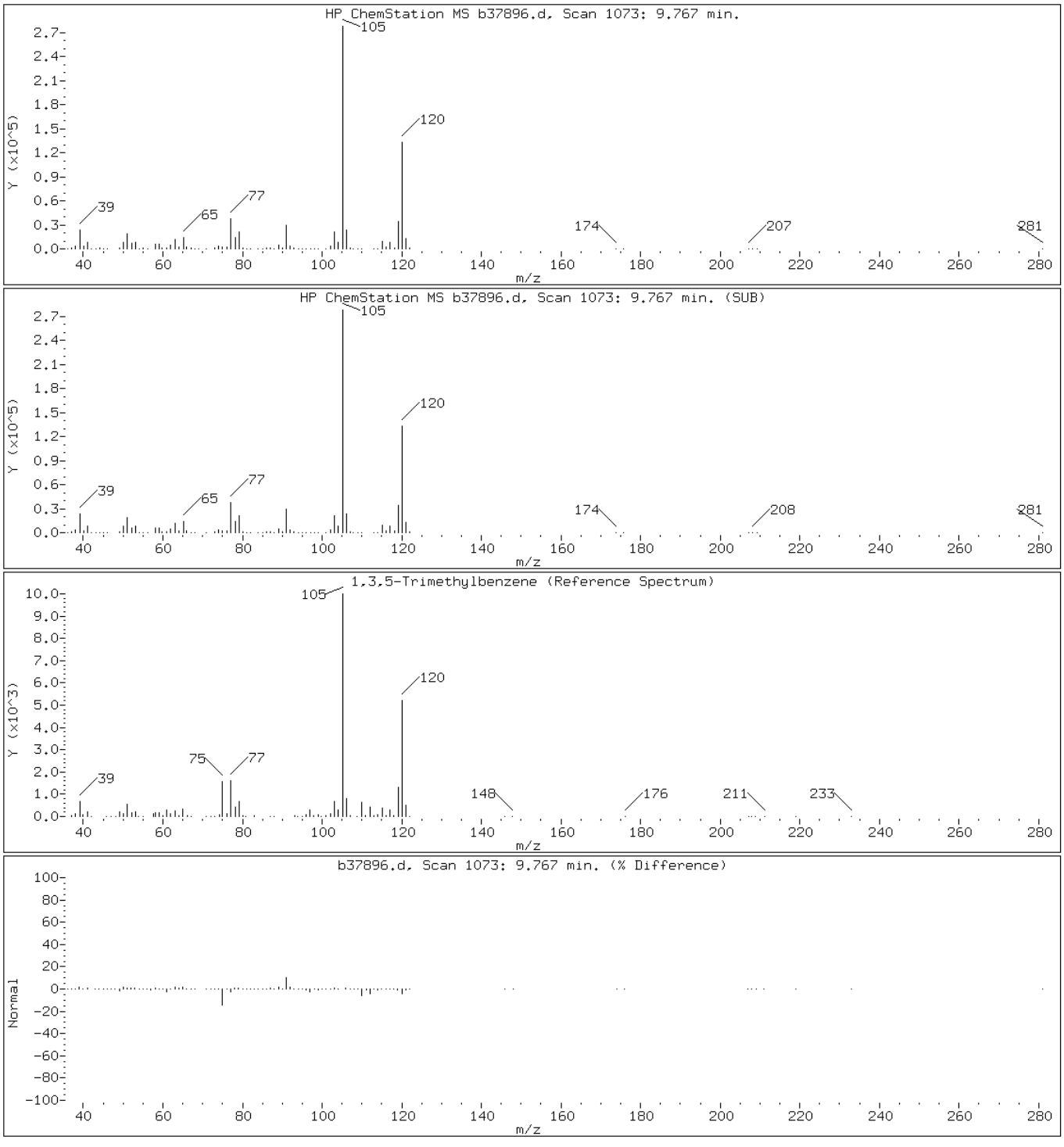
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

97 1,3,5-Trimethylbenzene



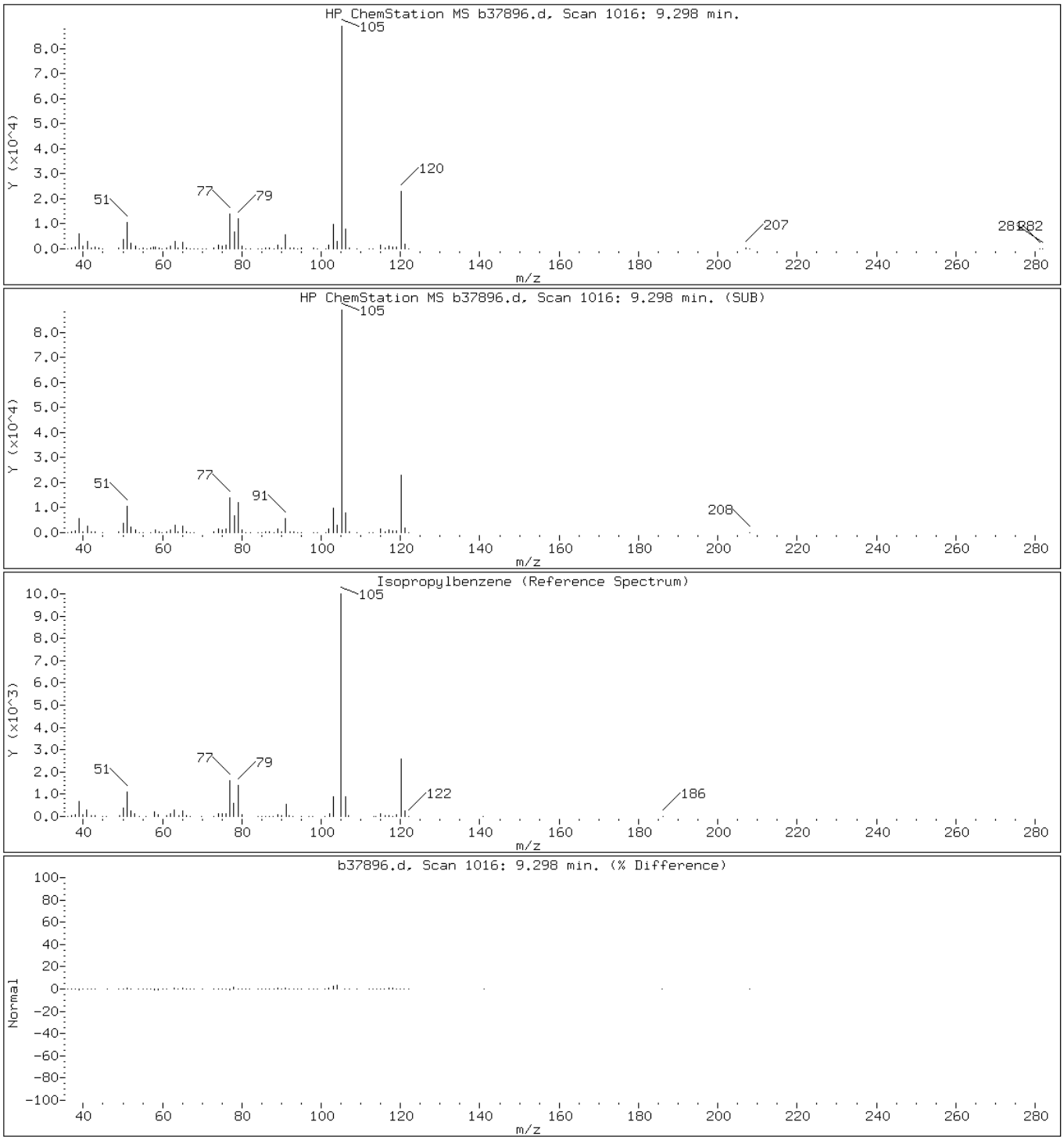
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

88 Isopropylbenzene



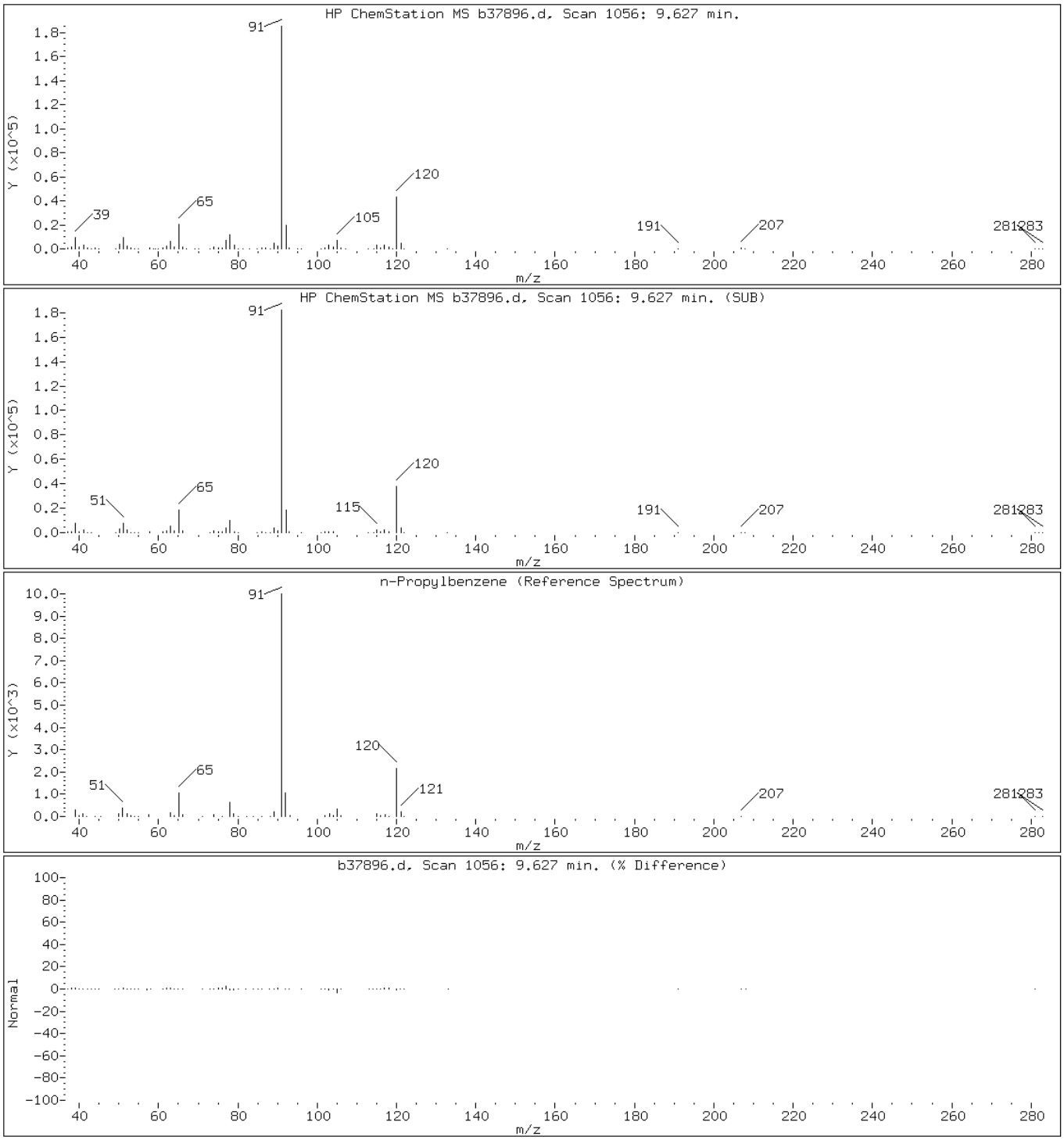
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

95 n-Propylbenzene



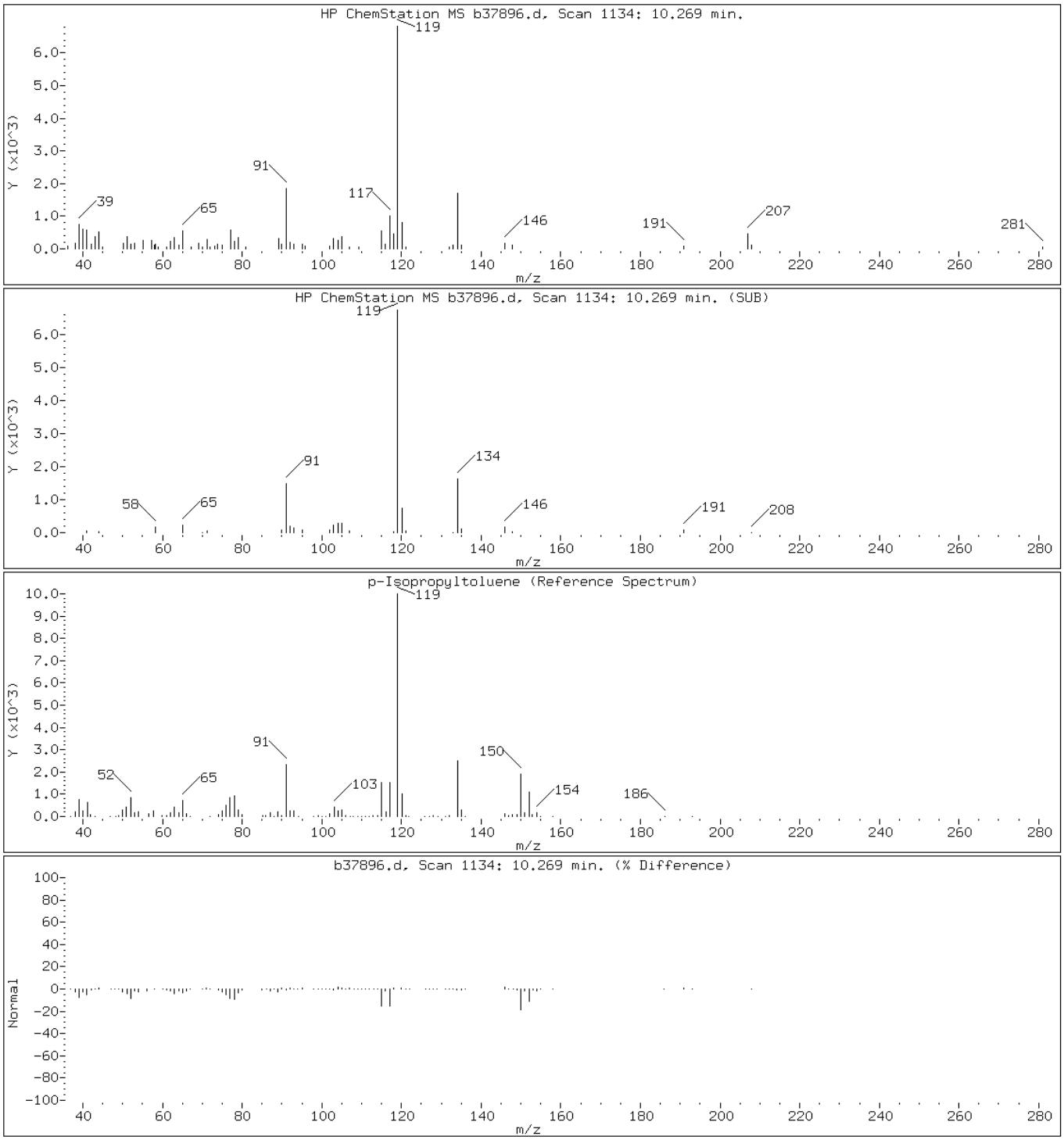
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

107 p-Isopropyltoluene



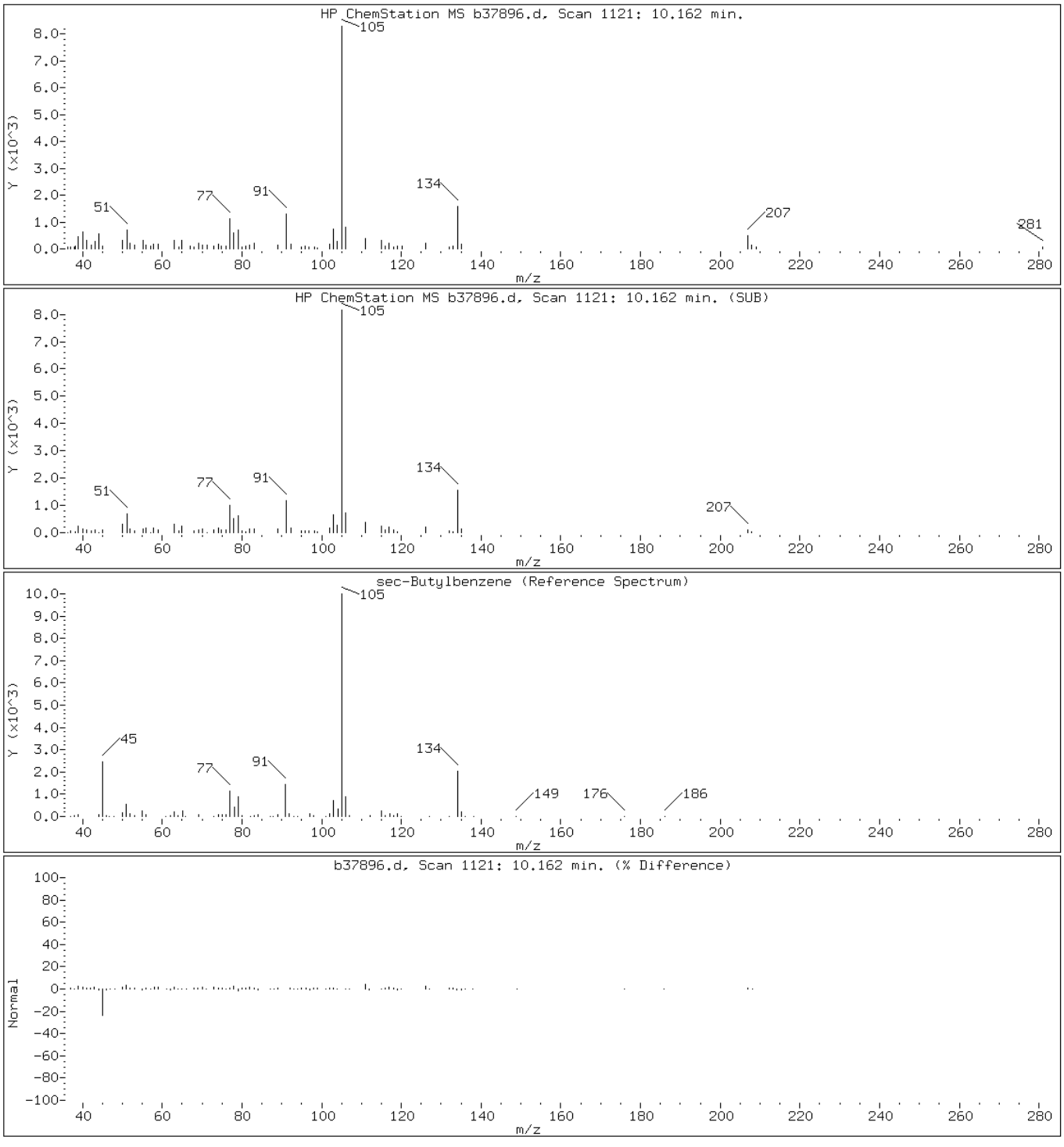
Data File: b37896.d

Date: 12-AUG-2011 13:51

Client ID: MW-SE-7 Instrument: VOAMS2.i

Sample Info: 460-29791-B-4;25 Operator:

103 sec-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-8 | Lab Sample ID: 460-29791-5

Matrix: Water | Lab File ID: b37919.d

Analysis Method: 8260B | Date Collected: 08/08/2011 16:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/15/2011 10:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 83056 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	7.5	J	10	2.5
75-15-0	Carbon disulfide	0.17	J	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	6.5		1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	100		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	10		1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	130		1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	73		3.0	0.43
179601-23-1	m&p-Xylene	69		2.0	0.29
95-47-6	o-Xylene	4.4		1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-8 Lab Sample ID: 460-29791-5

Matrix: Water Lab File ID: b37919.d

Analysis Method: 8260B Date Collected: 08/08/2011 16:25

Sample wt/vol: 5(mL) Date Analyzed: 08/15/2011 10:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 83056 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	93		1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	420		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	82		1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	79		1.0	0.21
103-65-1	N-Propylbenzene	120		1.0	0.18
99-87-6	p-Isopropyltoluene	15		1.0	0.19
135-98-8	sec-Butylbenzene	9.8		1.0	0.20
98-06-6	tert-Butylbenzene	1.6		1.0	0.18
104-51-8	n-Butylbenzene	22		1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-122
2037-26-5	Toluene-d8 (Surr)	99		69-125
460-00-4	Bromofluorobenzene	97		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37919.d
Report Date: 16-Aug-2011 10:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37919.d
Lab Smp Id: 460-29791-A-5 Client Smp ID: MW-SE-8
Inj Date : 15-AUG-2011 10:56
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-A-5
Misc Info : 460-29791-A-5
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/8260_09.m
Meth Date : 15-Aug-2011 07:51 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	8 n-Pentane	72	1.793	1.793	(0.357)	85349	186.470	190
	16 Acetone	43	2.311	2.311	(0.460)	9098	7.52422	7.5(a)
	18 Carbon Disulfide	76	2.336	2.336	(0.465)	2859	0.17017	0.17(a)
	170 Cyclopentene	67	2.517	2.517	(0.501)	90649	6.44235	6.4
	24 TBA	59	2.780	2.780	(0.553)	2530	17.7466	18(a)
	29 Hexane	56	3.003	3.003	(0.597)	207309	57.7552	58
	42 Chloroform	83	4.171	4.163	(0.830)	76084	6.53613	6.5
	44 Cyclohexane	56	4.253	4.253	(0.846)	4215742	482.501	480
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.723	4.723	(0.939)	410555	54.2416	54
	48 Benzene	78	4.681	4.681	(0.553)	2313466	101.055	100
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1104642	50.0000	
	56 Methyl cyclohexane	83	5.546	5.546	(1.103)	3535258	442.136	440
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	978919	49.6911	50
	66 Toluene	91	7.035	7.035	(0.832)	241004	10.1858	10
*	78 Chlorobenzene-d5	117	8.459	8.459	(1.000)	801567	50.0000	
	81 Ethylbenzene	106	8.566	8.566	(1.013)	1003350	131.694	130

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37919.d
Report Date: 16-Aug-2011 10:09

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	82 m+p-Xylene	106	8.673	8.673	(1.025)	639548	68.8361	69
	84 o-Xylene	106	9.010	9.010	(1.065)	42160	4.37393	4.4
	88 Isopropylbenzene	105	9.307	9.306	(1.100)	1862791	78.8576	79
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	357029	48.6001	49
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	3513352	120.197	120
	97 1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	1759266	82.0815	82
	100 tert-Butylbenzene	119	10.006	10.006	(0.968)	28745	1.58758	1.6
	101 1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	9375014	424.158	420
	103 sec-Butylbenzene	105	10.171	10.171	(0.984)	235907	9.83645	9.8
	107 p-Isopropyltoluene	119	10.278	10.278	(0.994)	308766	15.3970	15
*	108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	456052	50.0000	
	106 n-Butylbenzene	91	10.566	10.574	(1.022)	443537	22.3117	22
	171 Indan	117	10.508	10.508	(2.090)	4887638	214.505	210
	116 Naphthalene	128	11.891	11.891	(1.150)	2033210	92.6264	93
M	121 Xylene (Total)	100				681708	73.2101	73

QC Flag Legend

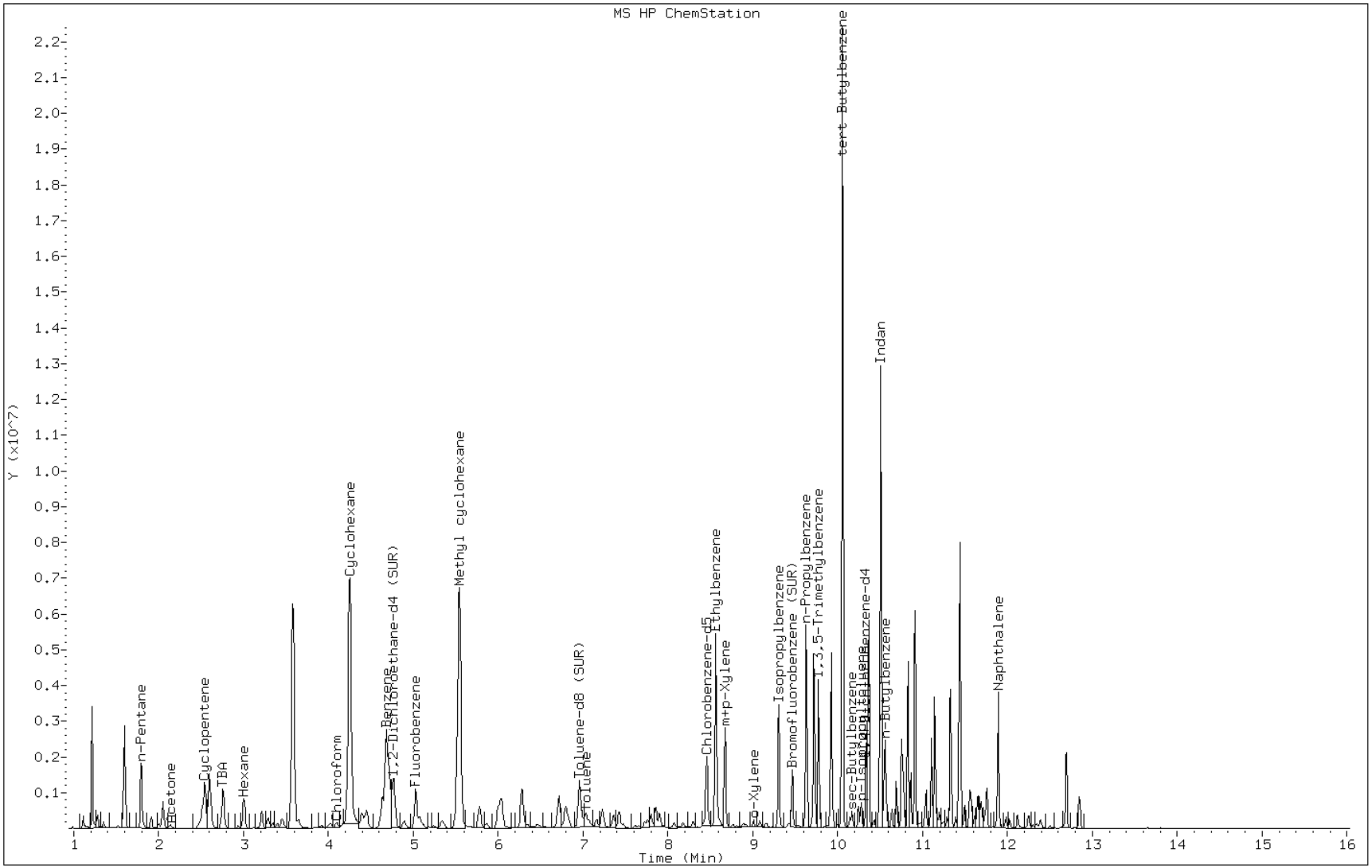
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:



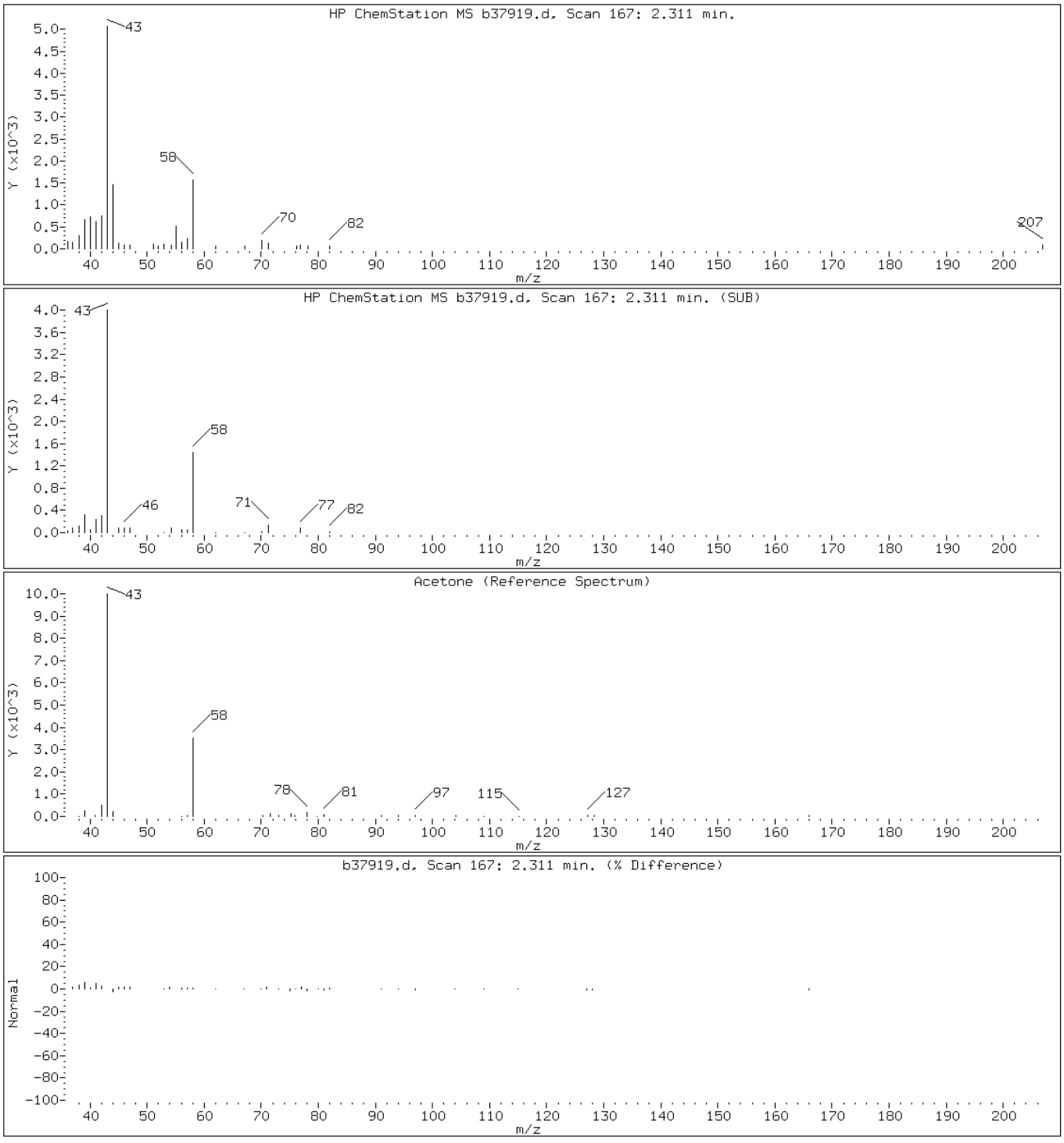
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

16 Acetone



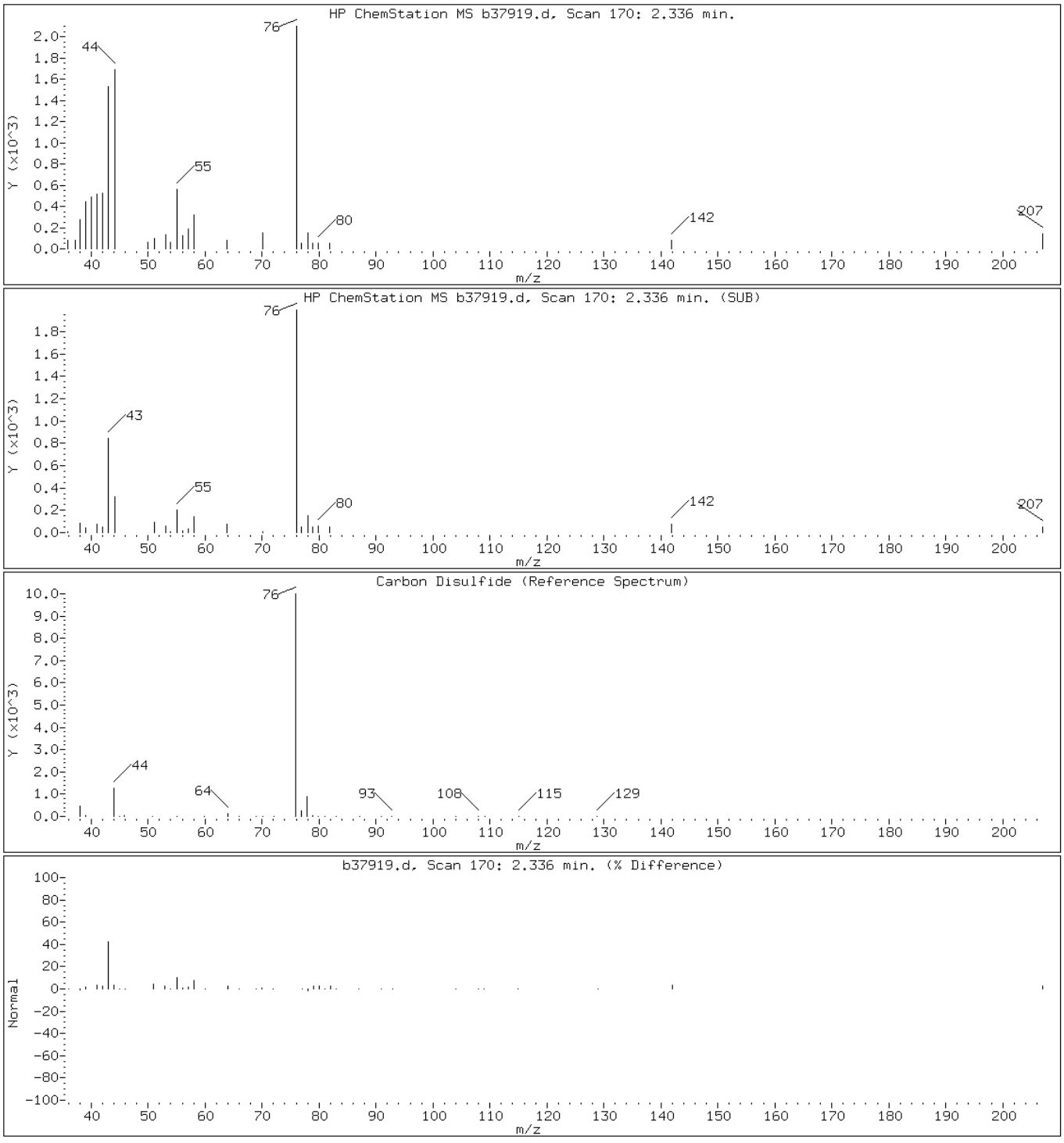
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

18 Carbon Disulfide



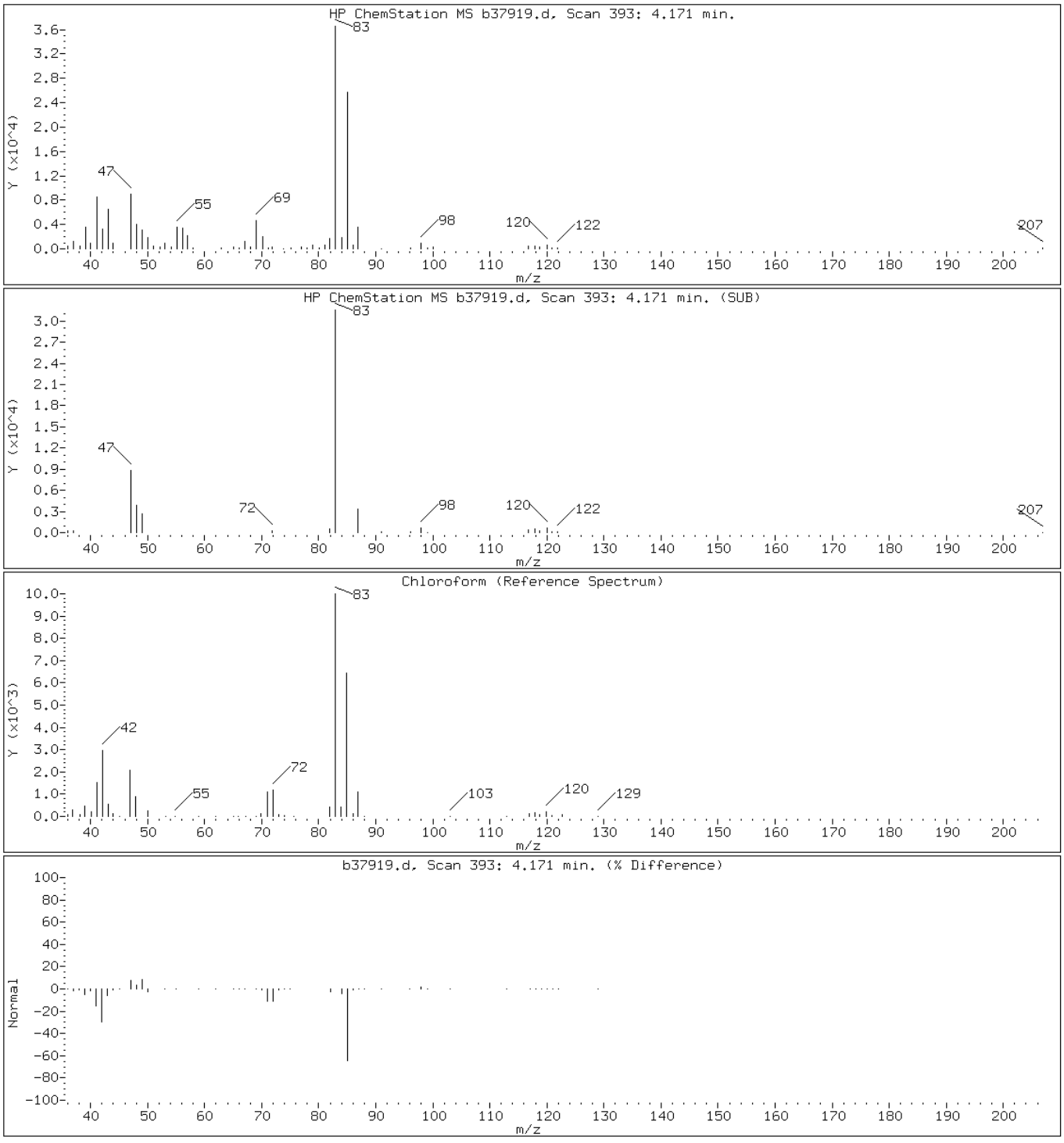
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

42 Chloroform



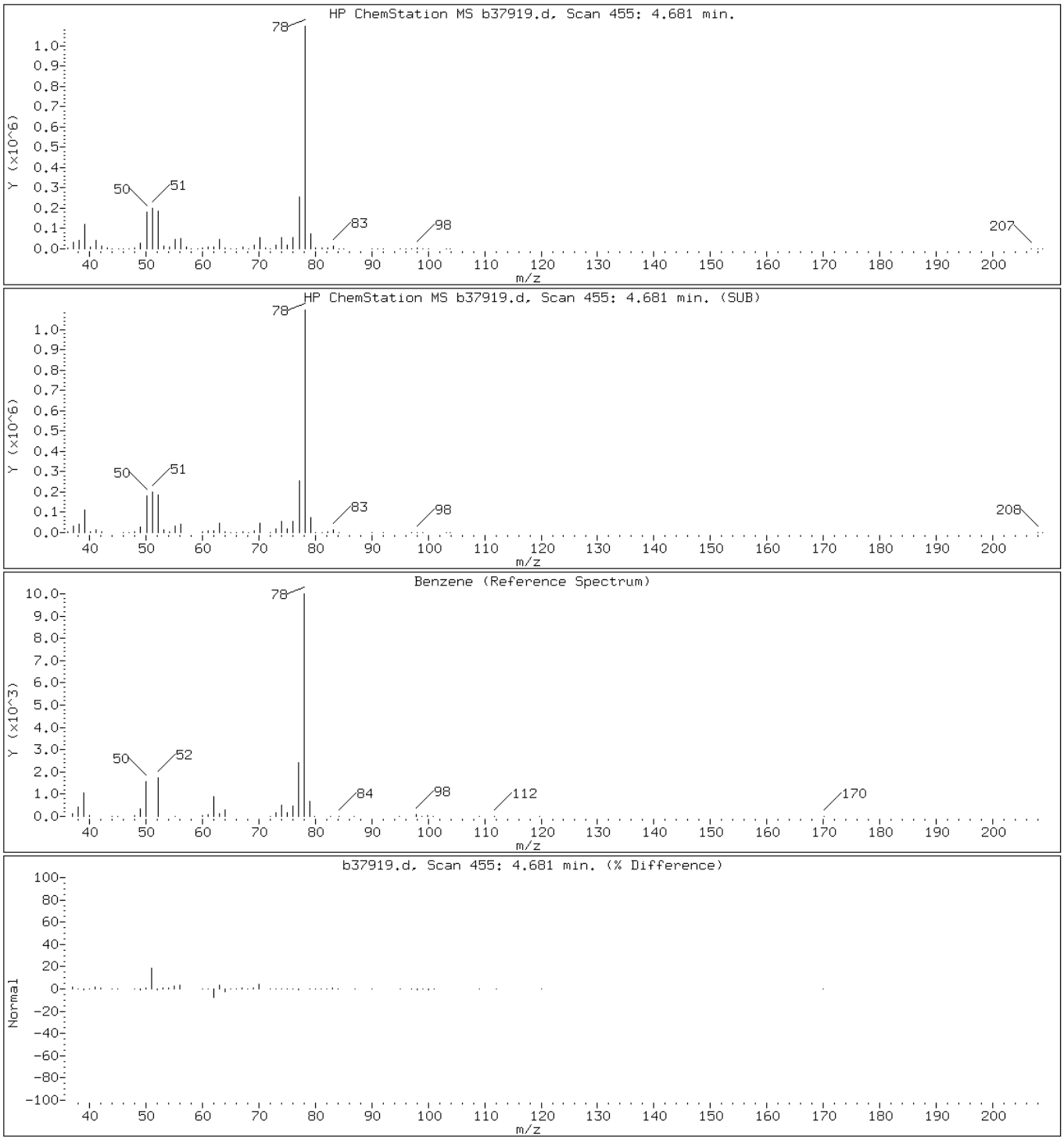
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

48 Benzene



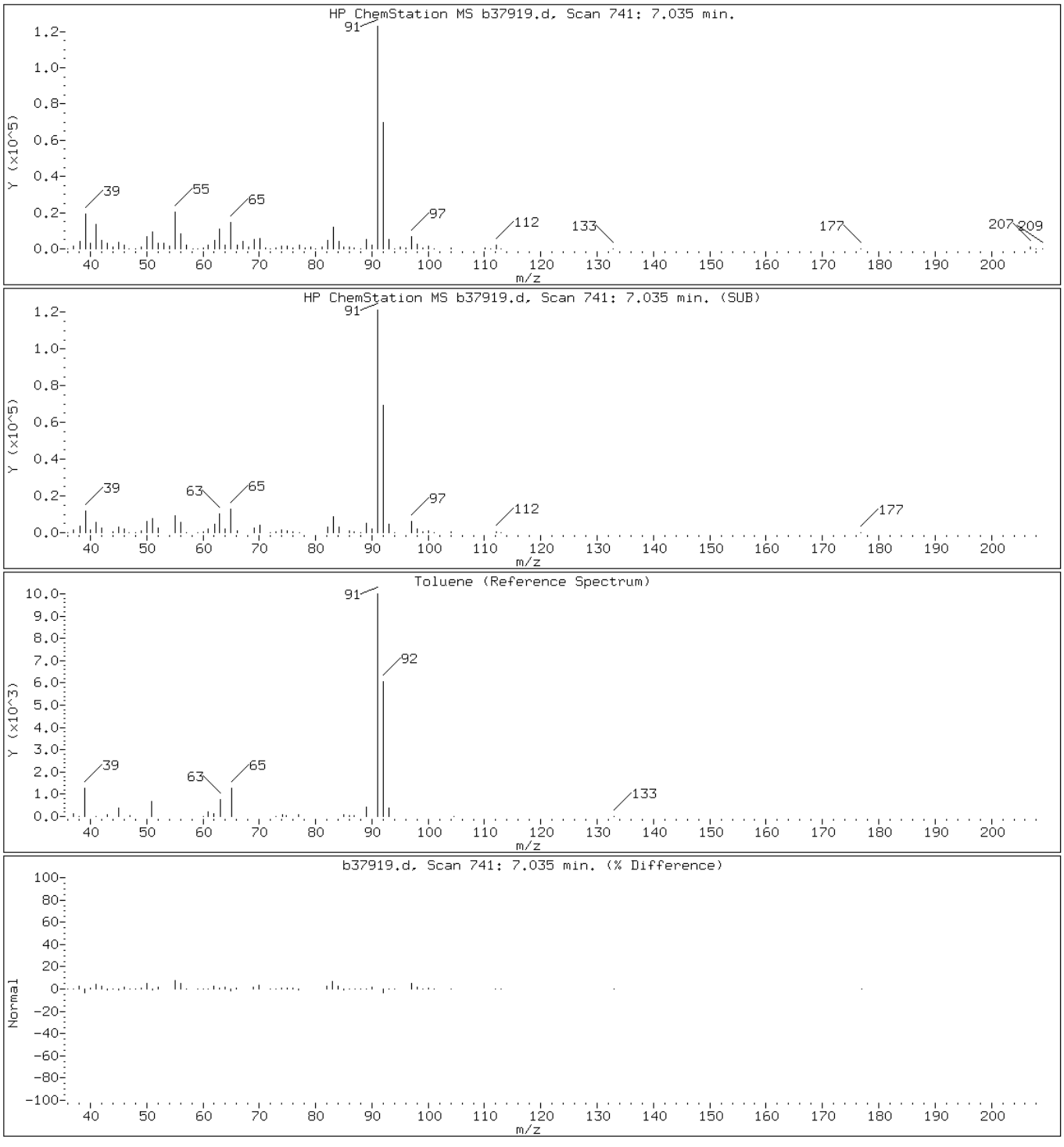
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

66 Toluene



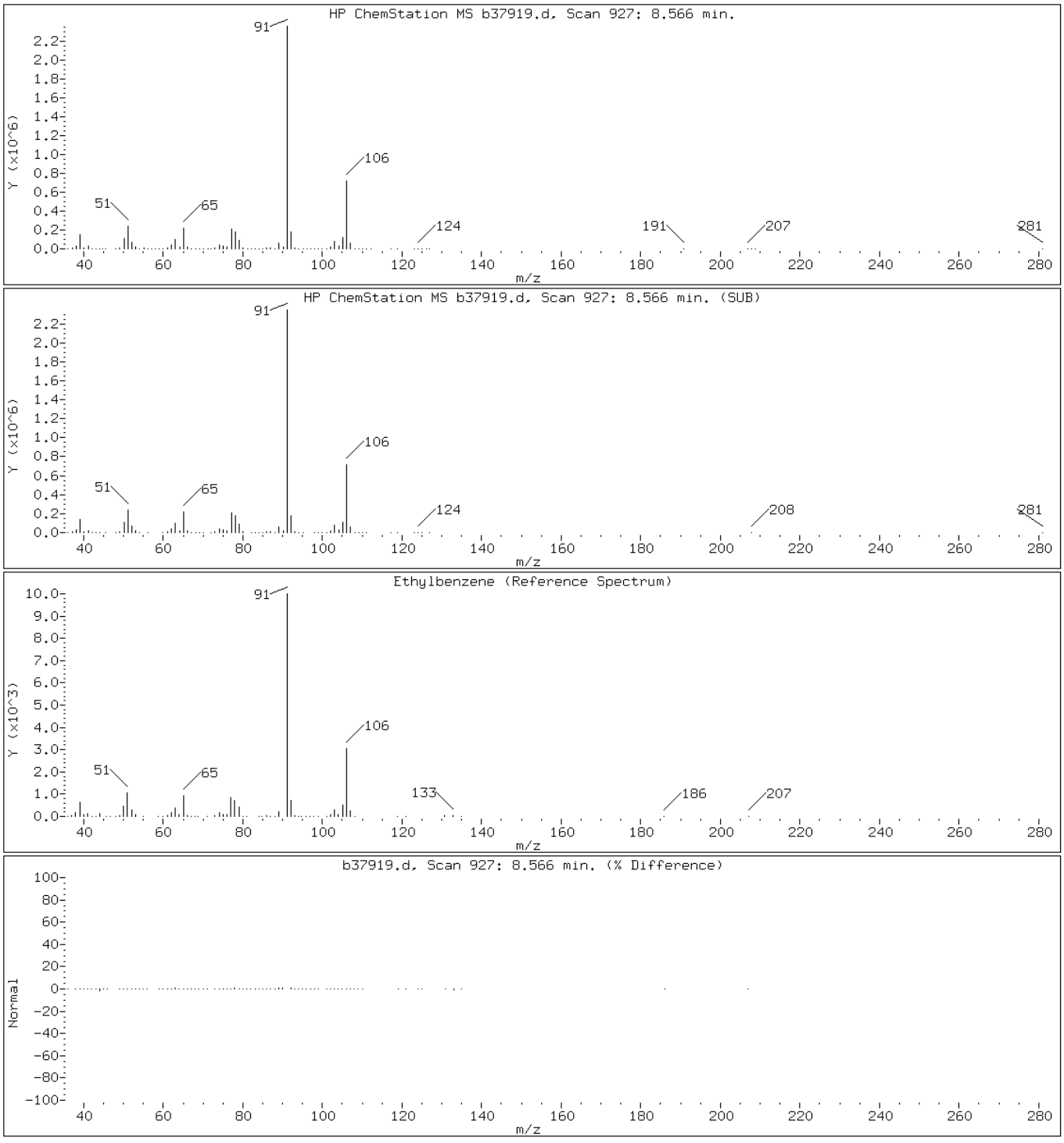
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

81 Ethylbenzene



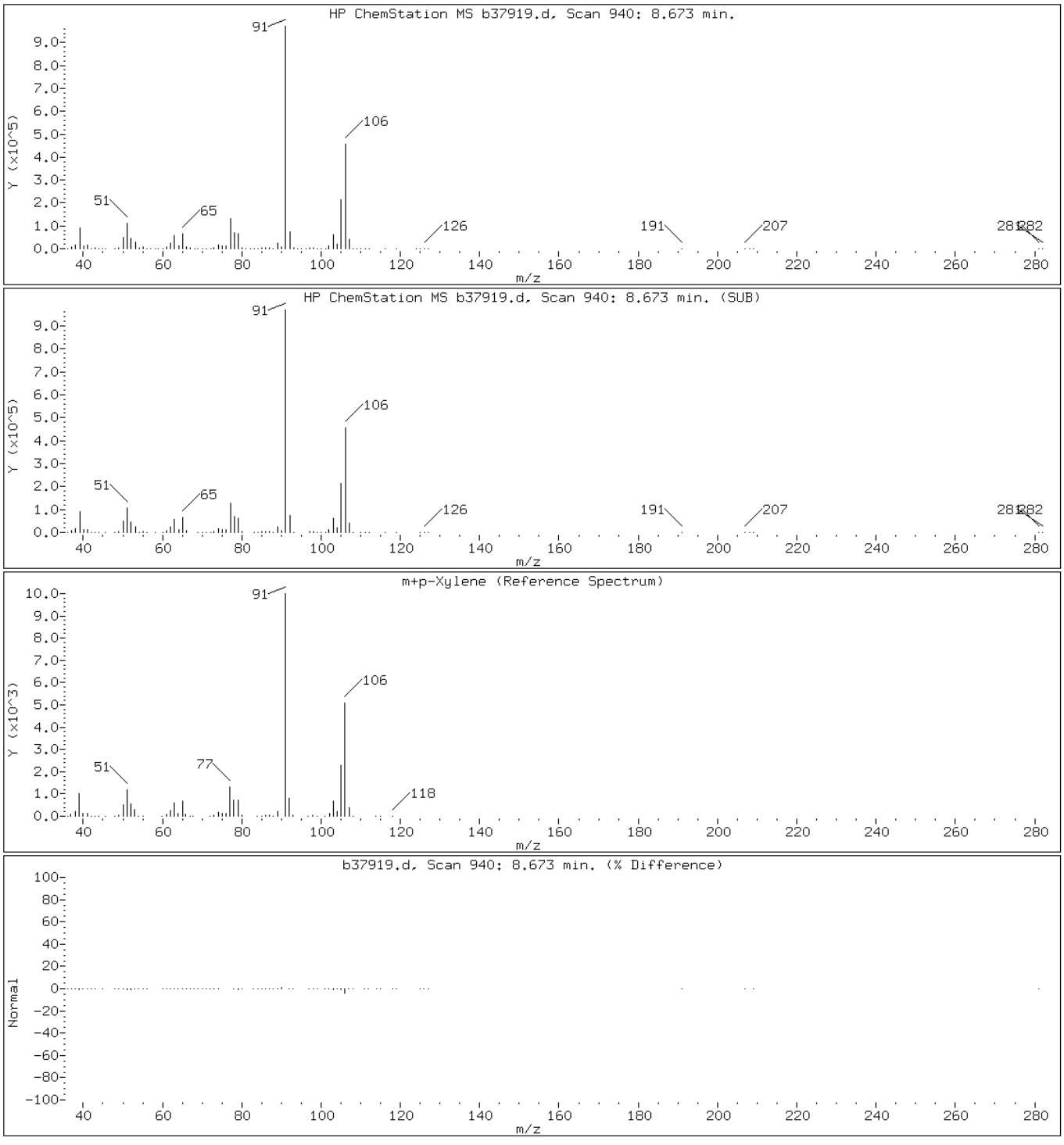
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

82 m+p-Xylene



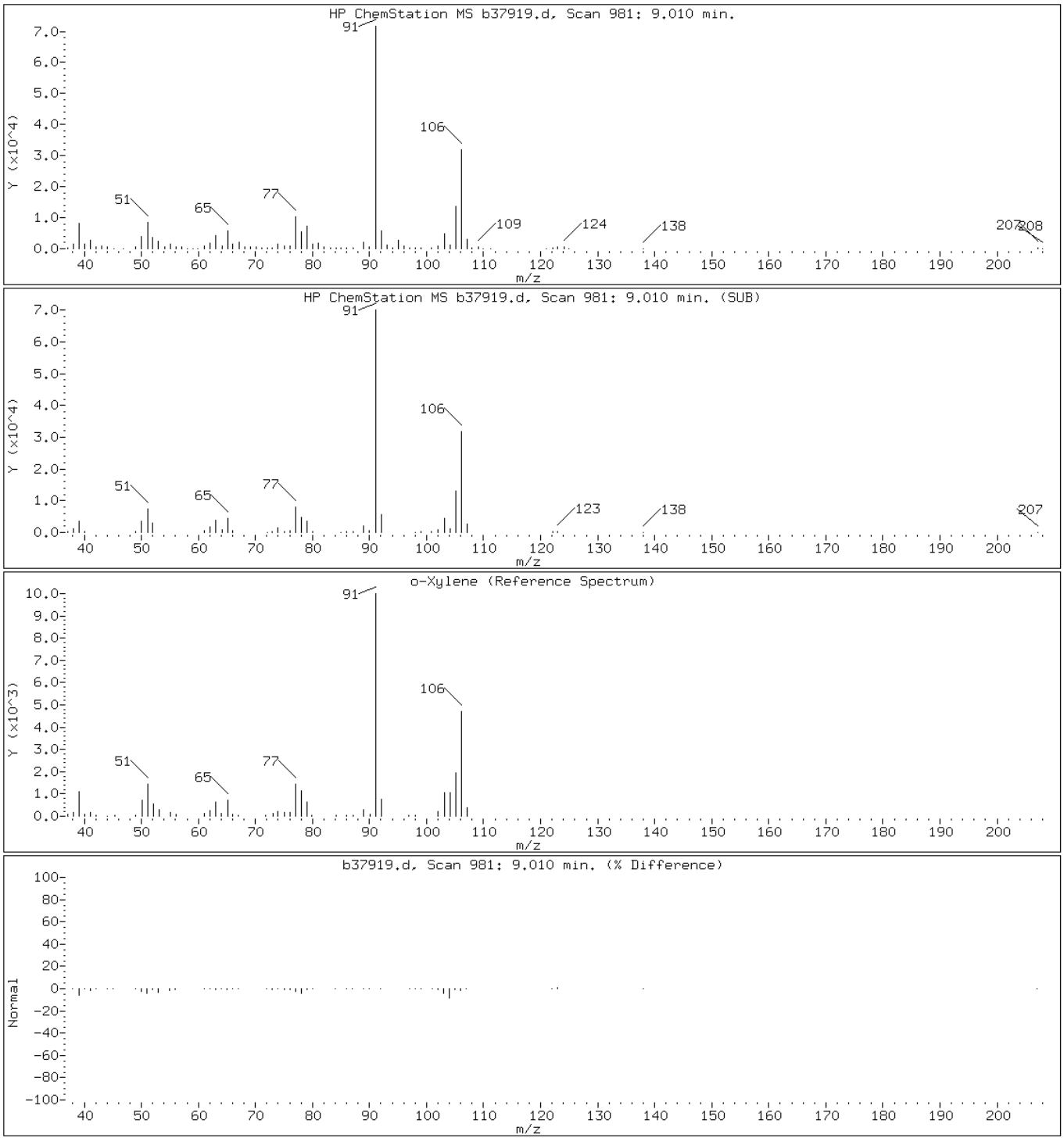
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

84 o-Xylene



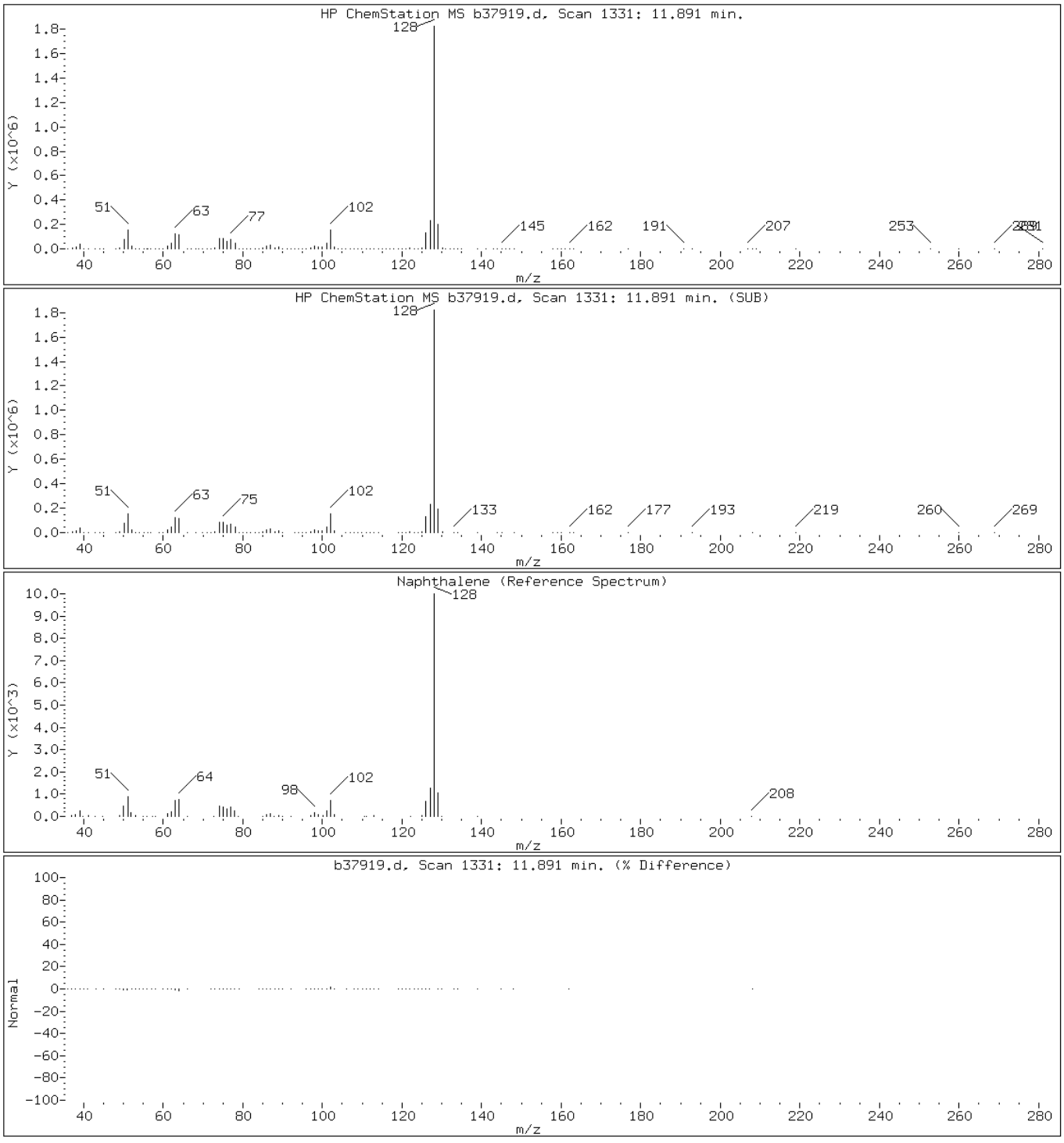
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

116 Naphthalene



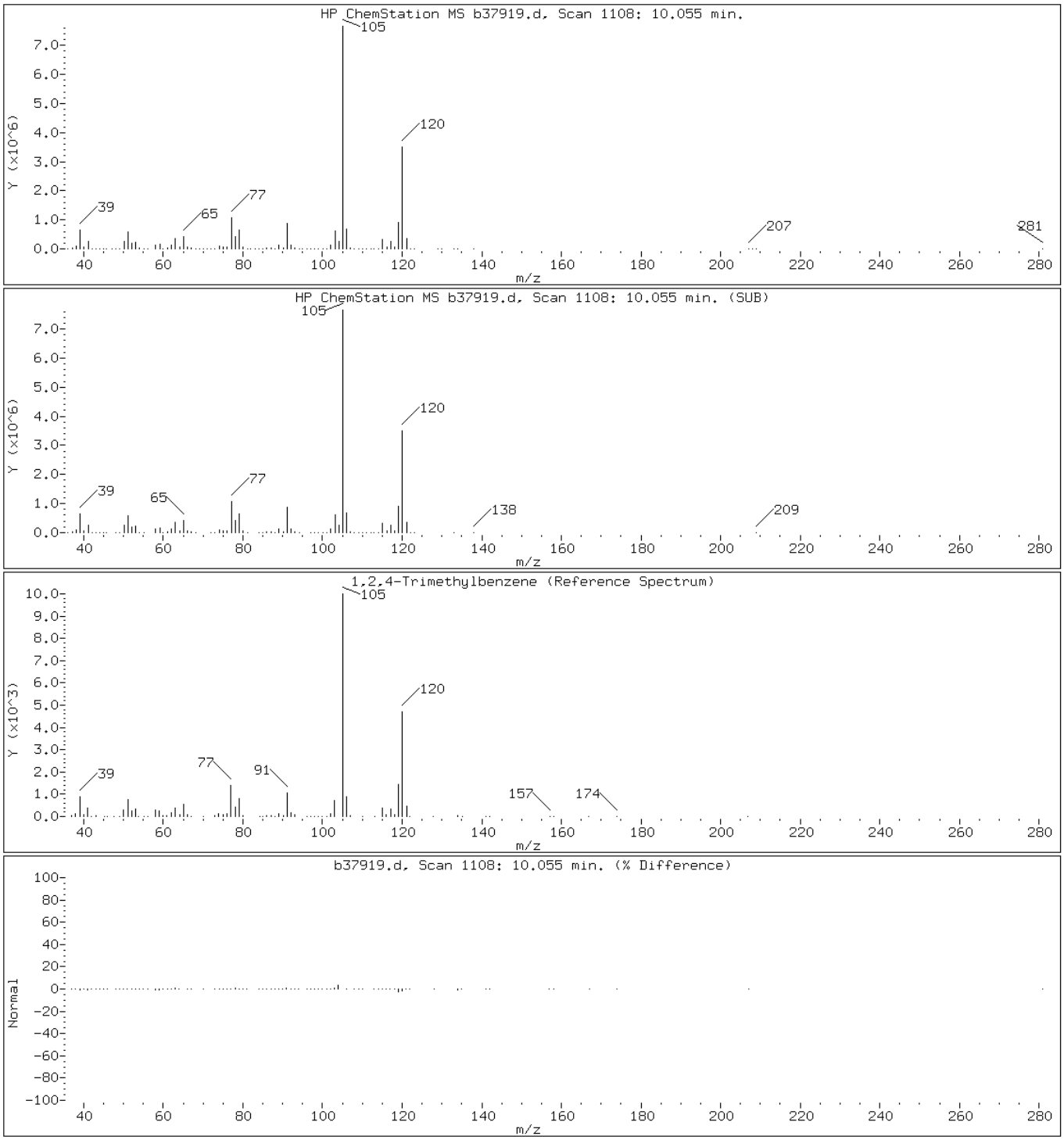
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

101 1,2,4-Trimethylbenzene



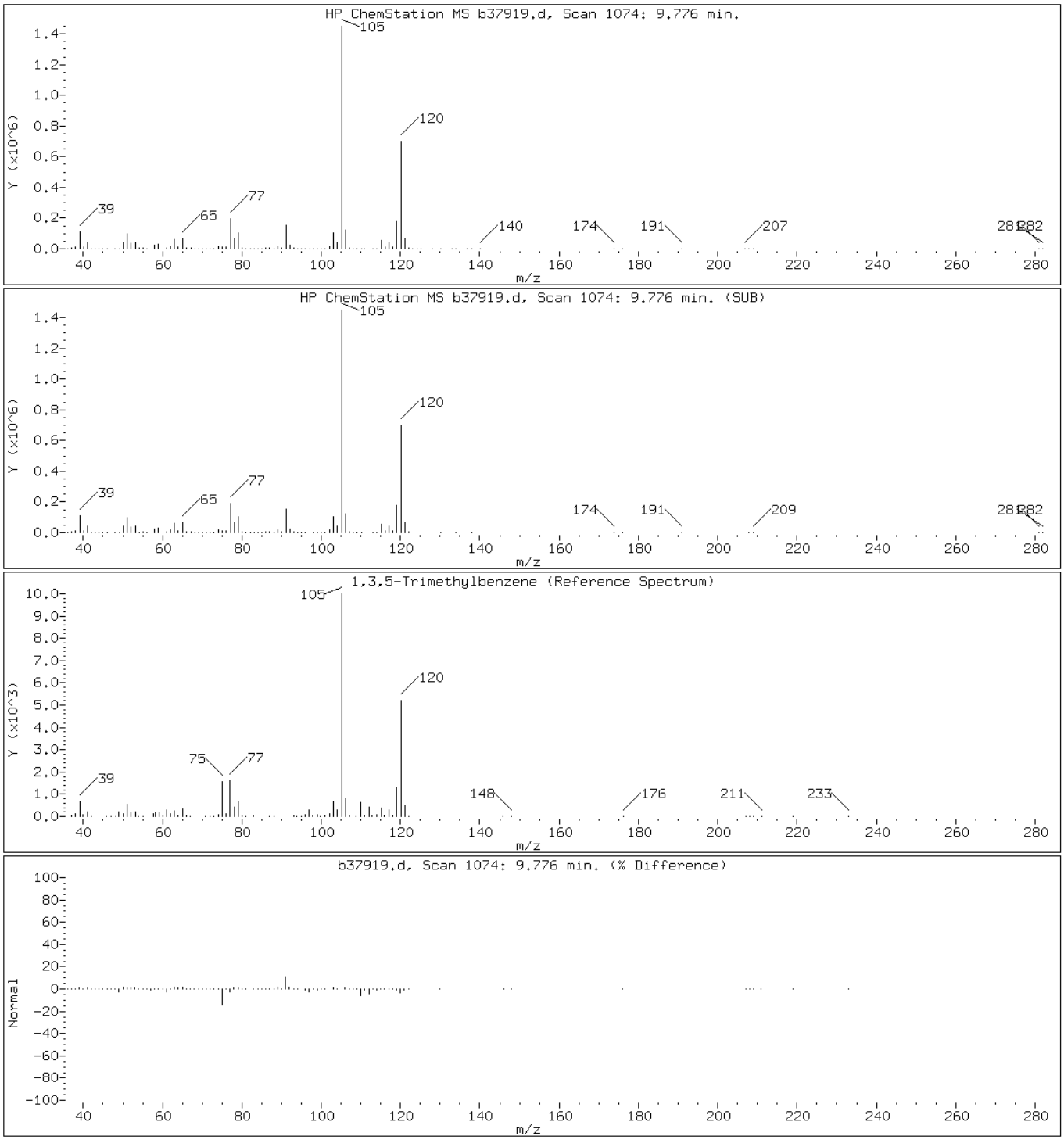
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

97 1,3,5-Trimethylbenzene



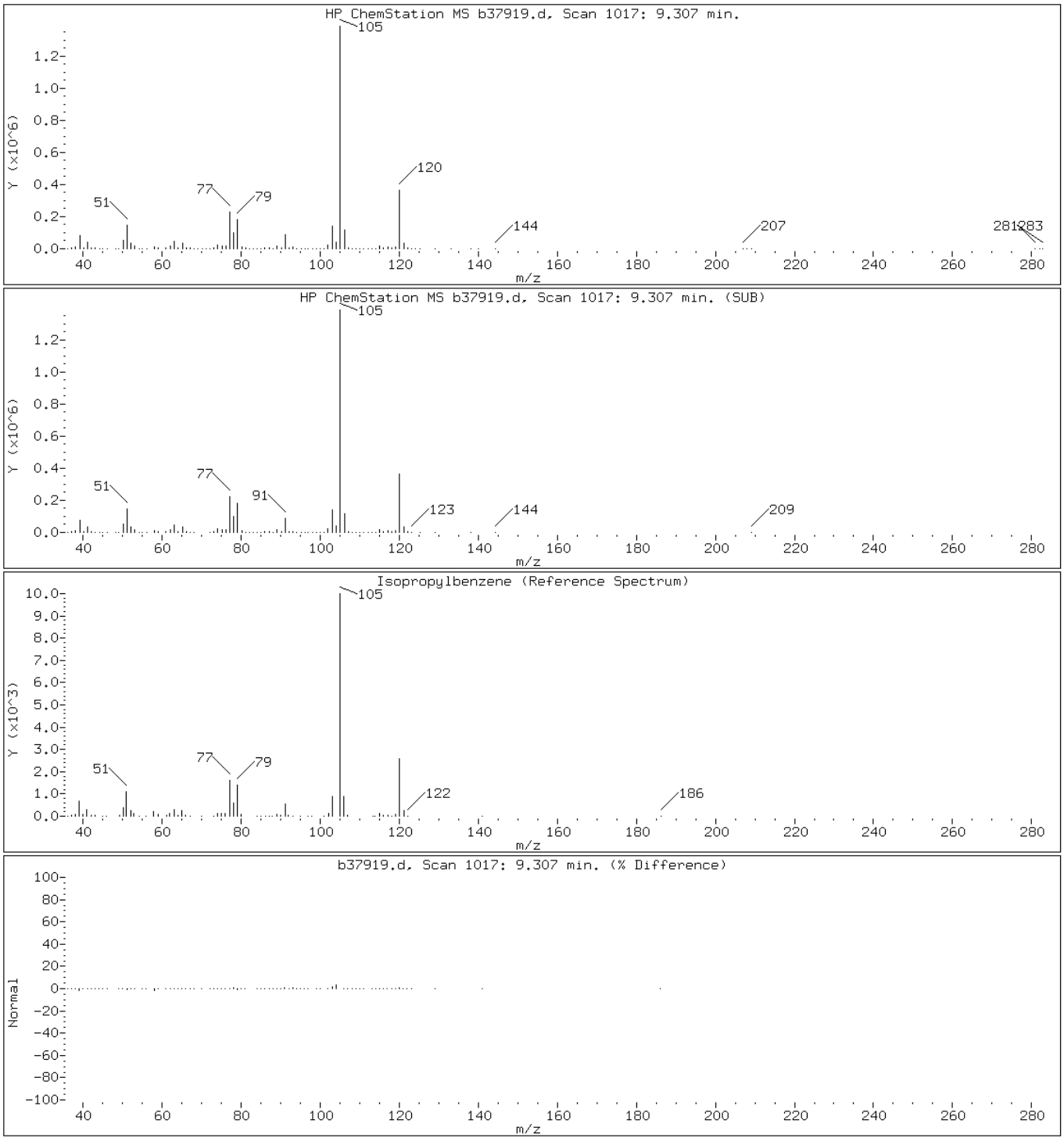
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

88 Isopropylbenzene



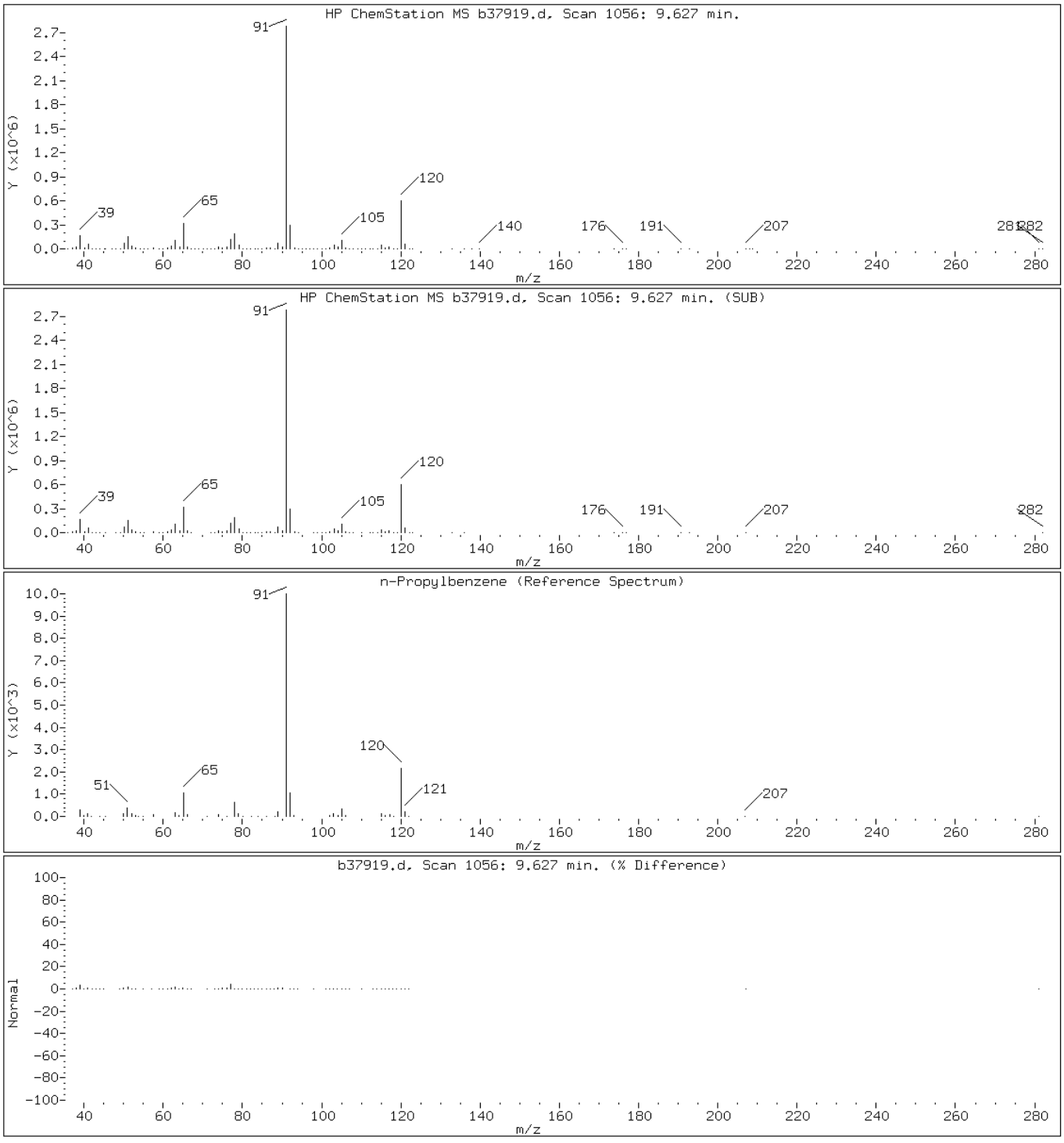
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

95 n-Propylbenzene



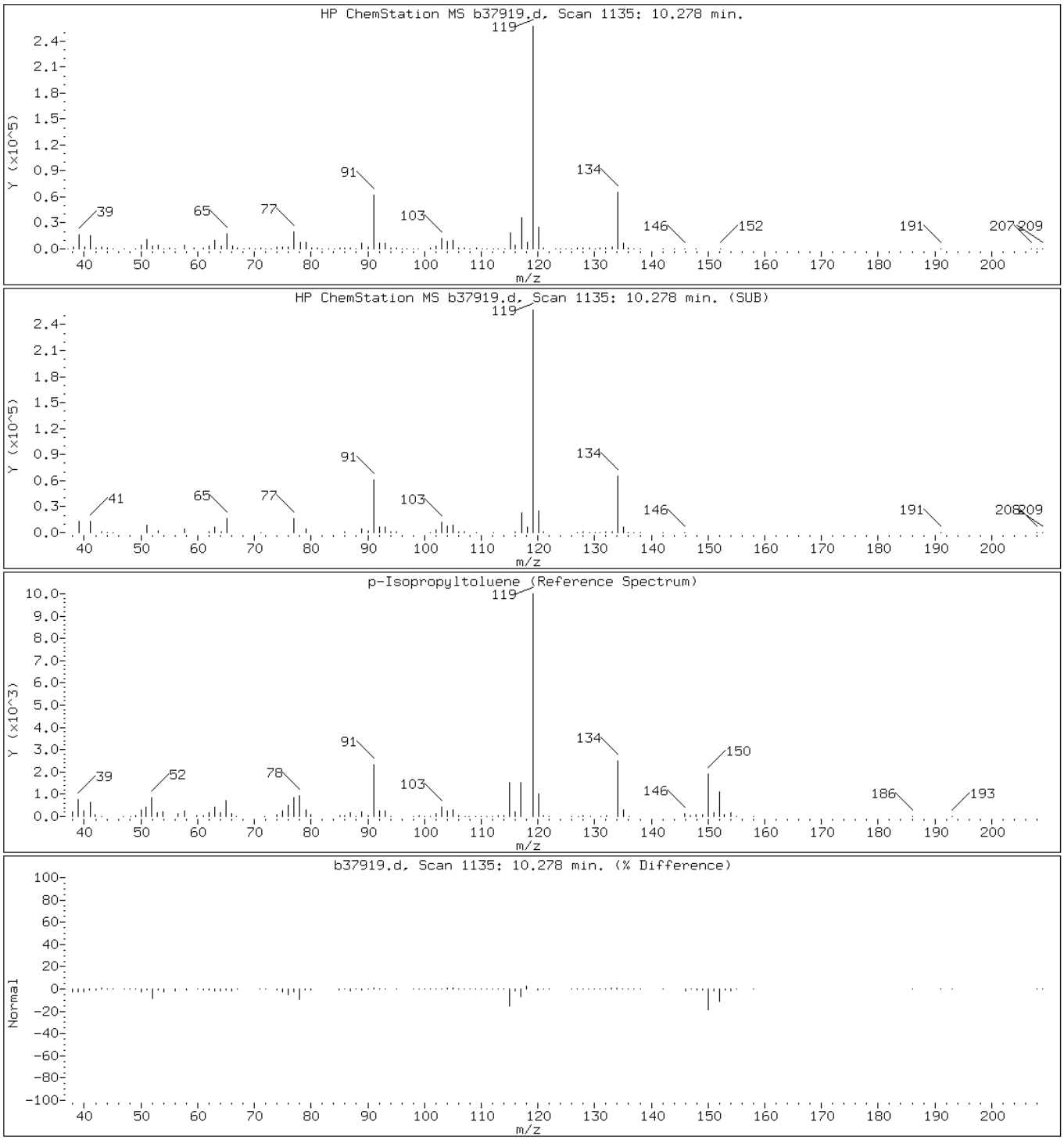
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

107 p-Isopropyltoluene



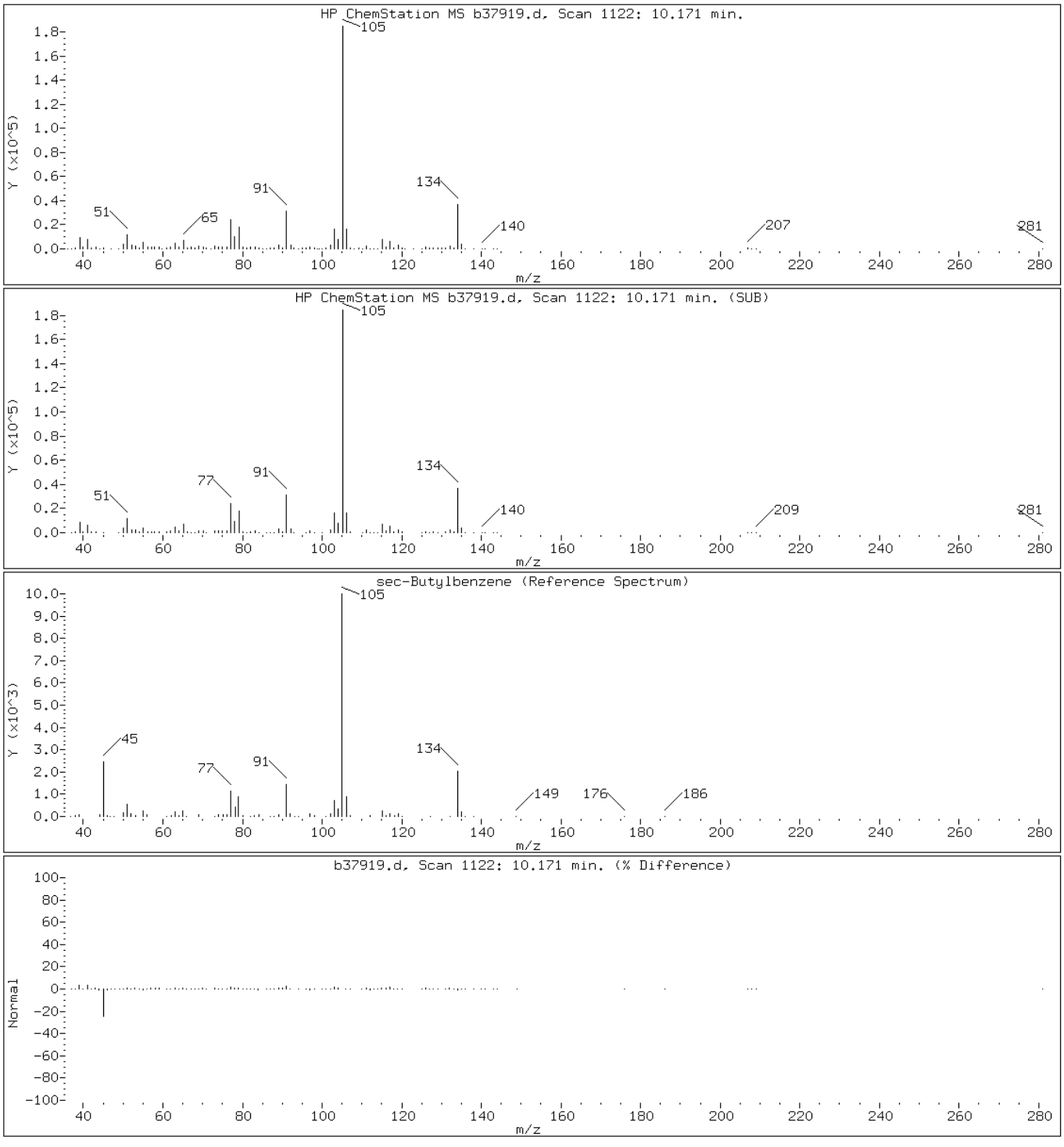
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

103 sec-Butylbenzene



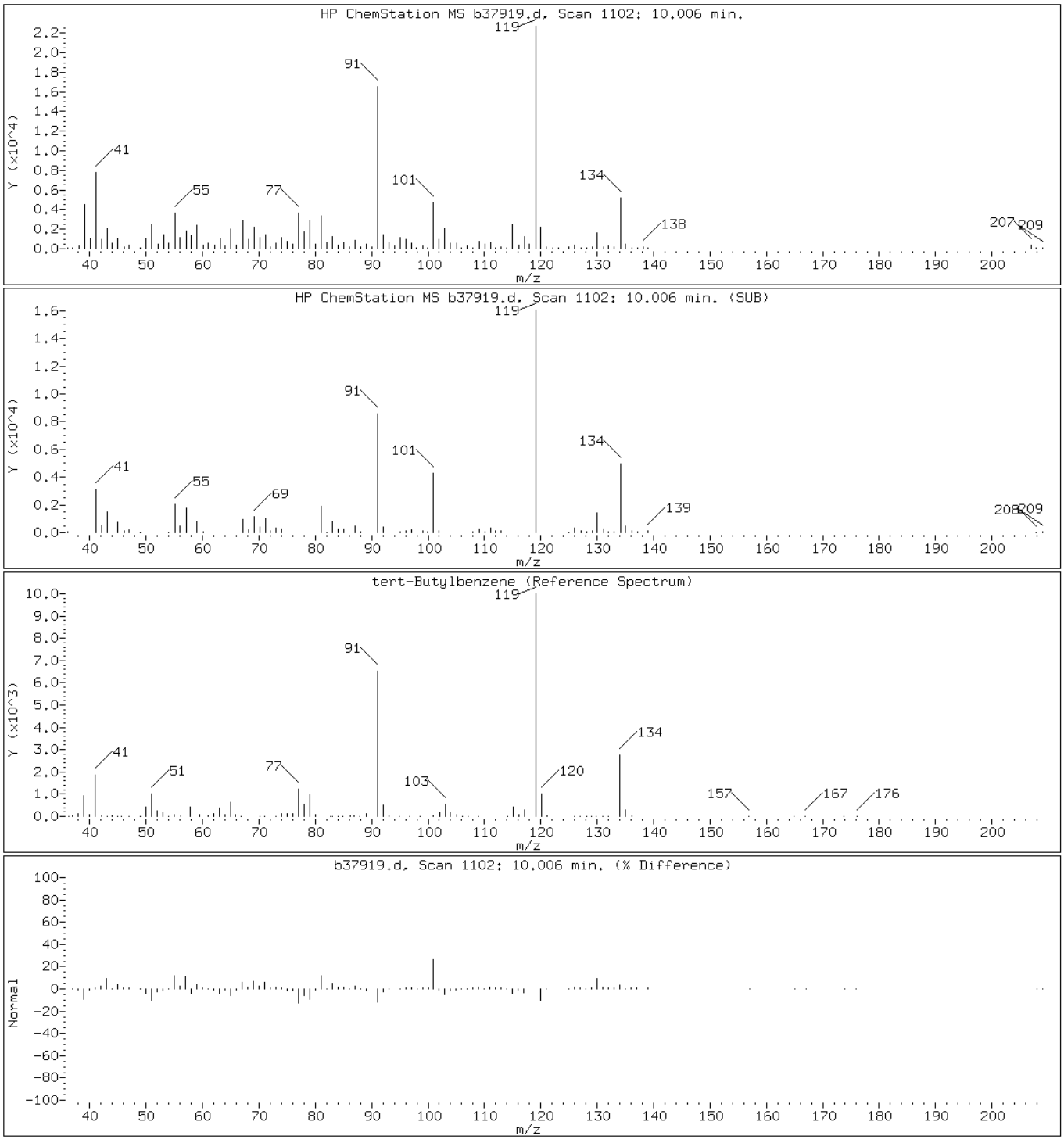
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

100 tert-Butylbenzene



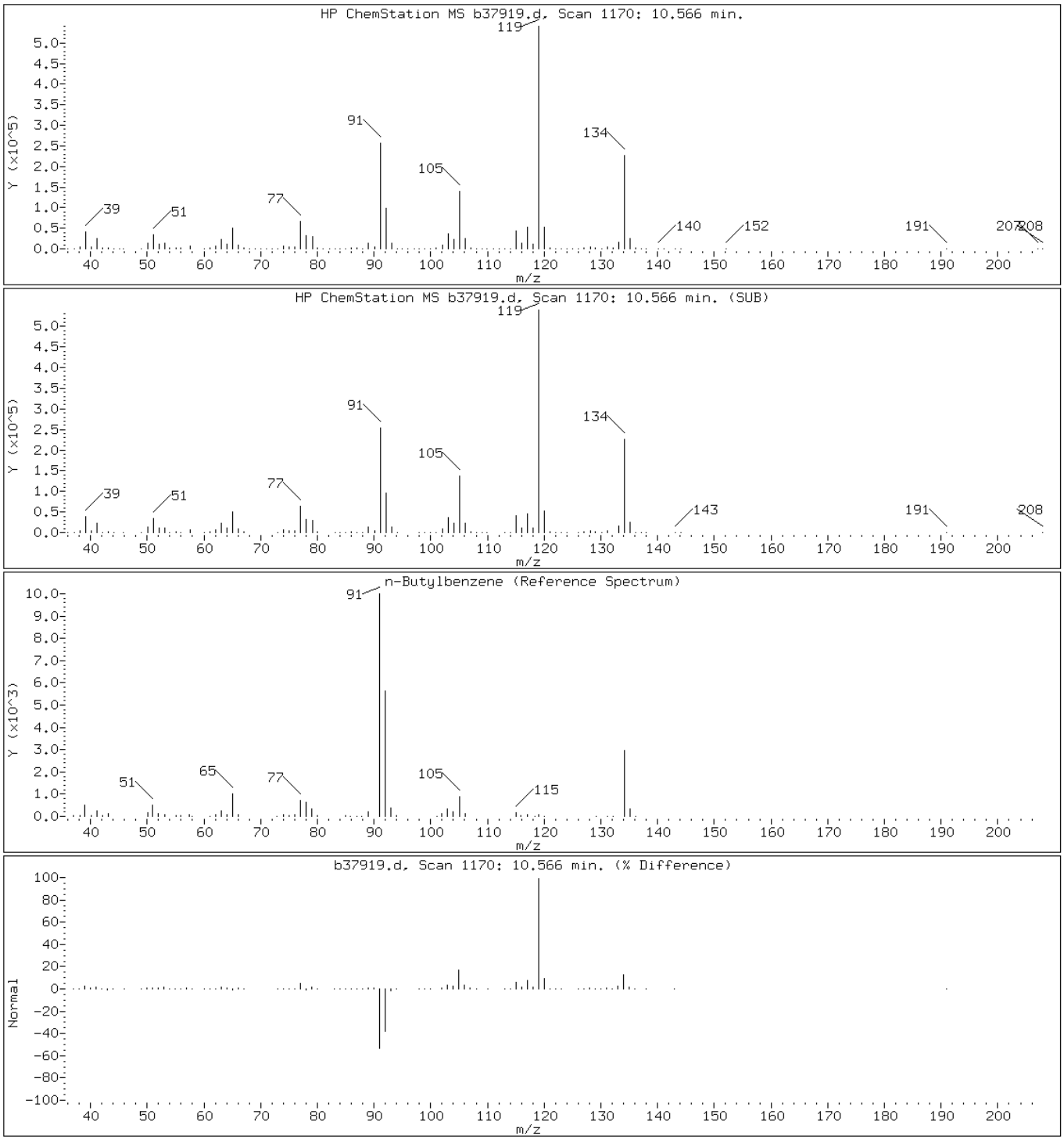
Data File: b37919.d

Date: 15-AUG-2011 10:56

Client ID: MW-SE-8 Instrument: VOAMS2.i

Sample Info: 460-29791-A-5 Operator:

106 n-Butylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-X Lab Sample ID: 460-29791-6

Matrix: Water Lab File ID: b37907.d

Analysis Method: 8260B Date Collected: 08/08/2011 16:05

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 19:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	3.0	U	3.0	0.43
179601-23-1	m&p-Xylene	2.0	U	2.0	0.29
95-47-6	o-Xylene	1.0	U	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-X | Lab Sample ID: 460-29791-6

Matrix: Water | Lab File ID: b37907.d

Analysis Method: 8260B | Date Collected: 08/08/2011 16:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 19:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.0	U	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	N-Propylbenzene	1.0	U	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	1.0	U	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		70-122
2037-26-5	Toluene-d8 (Surr)	98		69-125
460-00-4	Bromofluorobenzene	95		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37907.d
Report Date: 15-Aug-2011 06:57

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37907.d
Lab Smp Id: 460-29791-B-6 Client Smp ID: MW-X
Inj Date : 12-AUG-2011 19:09
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-6
Misc Info : 460-29791-B-6
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	370155	53.0258	53
* 52 Fluorobenzene	96	5.019	5.019	(1.000)	1018777	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	831132	48.9465	49
* 78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	690908	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	316895	47.4338	47
* 108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	414740	50.0000	

Data File: b37907.d

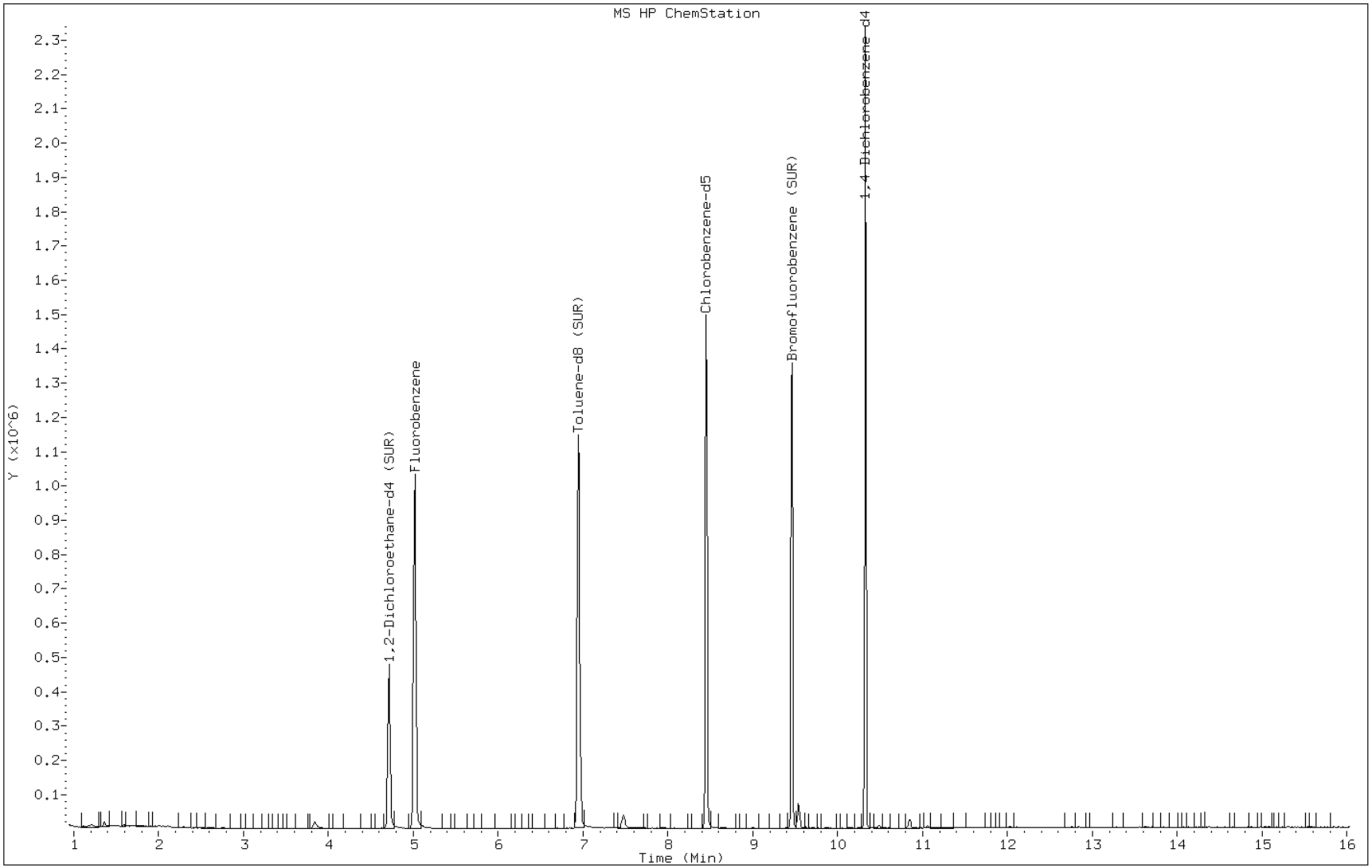
Date: 12-AUG-2011 19:09

Client ID: MW-X

Instrument: VOAMS2.i

Sample Info: 460-29791-B-6

Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 460-29791-7

Matrix: Water | Lab File ID: b37903.d

Analysis Method: 8260B | Date Collected: 08/08/2011 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 17:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	3.4		1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	3.0	U	3.0	0.43
179601-23-1	m&p-Xylene	2.0	U	2.0	0.29
95-47-6	o-Xylene	1.0	U	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Trip Blank Lab Sample ID: 460-29791-7

Matrix: Water Lab File ID: b37903.d

Analysis Method: 8260B Date Collected: 08/08/2011 00:00

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 17:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.0	U	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	N-Propylbenzene	1.0	U	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	1.0	U	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-122
2037-26-5	Toluene-d8 (Surr)	99		69-125
460-00-4	Bromofluorobenzene	94		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37903.d
Report Date: 15-Aug-2011 06:49

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37903.d
Lab Smp Id: 460-29791-B-7 Client Smp ID: Trip Blank
Inj Date : 12-AUG-2011 17:13
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-7
Misc Info : 460-29791-B-7
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
22 Methylene Chloride	84	2.640	2.640	(0.526)	20116	3.43385	3.4
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	358879	52.3745	52
* 52 Fluorobenzene	96	5.019	5.019	(1.000)	1000024	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.944	6.945	(0.822)	831982	49.4757	49
* 78 Chlorobenzene-d5	117	8.450	8.451	(1.000)	684217	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	310927	47.1985	47
* 108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	408958	50.0000	

Data File: b37903.d

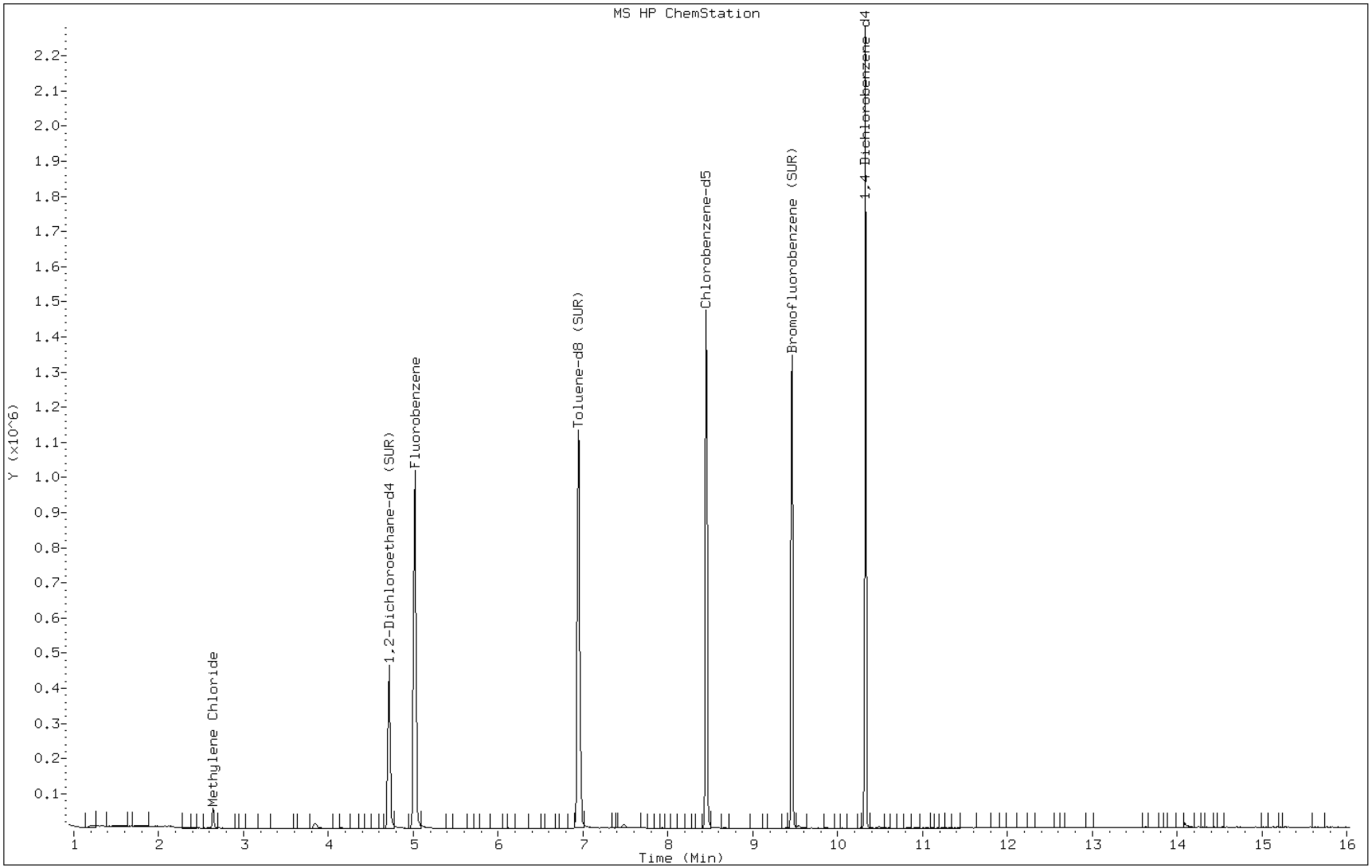
Date: 12-AUG-2011 17:13

Client ID: Trip Blank

Instrument: VOAMS2.i

Sample Info: 460-29791-B-7

Operator:



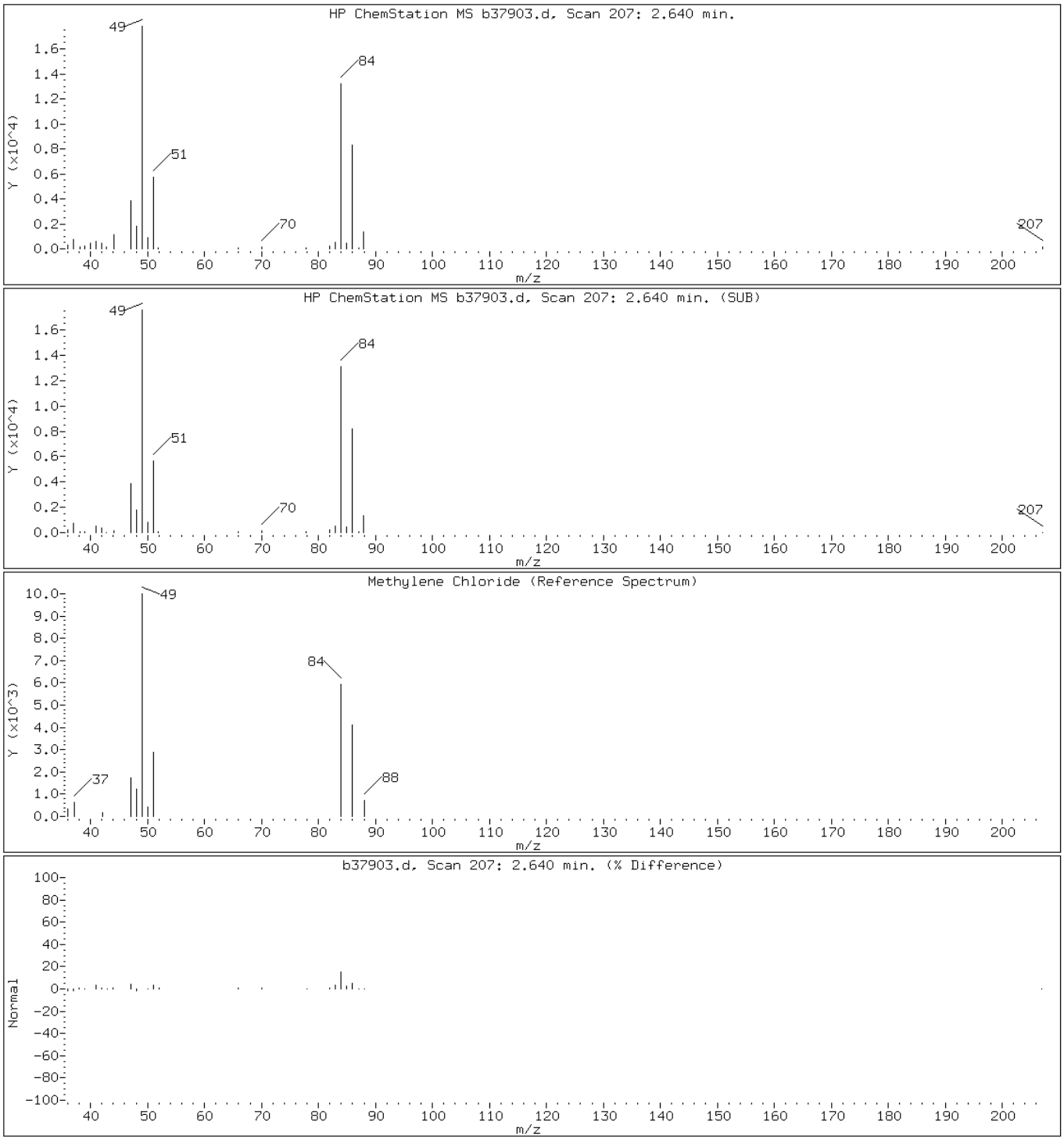
Data File: b37903.d

Date: 12-AUG-2011 17:13

Client ID: Trip Blank Instrument: VOAMS2.i

Sample Info: 460-29791-B-7 Operator:

22 Methylene Chloride



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-82451/2	b37828.d
Level 2	IC 460-82451/3	b37830.d
Level 3	ICIS 460-82451/4	b37831.d
Level 4	IC 460-82451/5	b37832.d
Level 5	IC 460-82451/6	b37833.d
Level 6	IC 460-82451/7	b37834.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1478 0.2205	0.2383	0.2202	0.2126	0.2239	LinF		0.2209							0.9999		0.9900
Chloromethane	0.6255 0.3009	0.4014	0.3647	0.3264	0.3195	LinF		0.3039							0.9991		0.9900
Vinyl chloride	0.2548 0.2480	0.2732	0.2541	0.2463	0.2567	Ave		0.2555				3.8		30.0			
Bromomethane	0.0937 0.1208	0.0978	0.0901	0.1006	0.1187	Ave		0.1036				12.6		15.0			
Chloroethane	0.1303 0.1213	0.1432	0.1334	0.1231	0.1294	Ave		0.1301				6.0		15.0			
Trichlorofluoromethane	0.2623 0.3079	0.3421	0.3376	0.3235	0.3324	Ave		0.3176				9.3		15.0			
n-Pentane	0.0220 0.0190	0.0227	0.0205	0.0200	0.0201	Ave		0.0207				6.6		15.0			
Ethyl ether	0.1816 0.1421	0.1653	0.1595	0.1540	0.1520	Ave		0.1591				8.5		15.0			
Isopropene	0.2267 0.2183	0.2455	0.2331	0.2308	0.2301	Ave		0.2308				3.9		15.0			
Freon TF	0.1561 0.1654	0.1956	0.2120	0.2183	0.1789	Ave		0.1877				13.4		15.0			
Acrolein	0.0323 0.0323	0.0312	0.0371	0.0347	0.0349	Ave		0.0337				6.5		15.0			
1,1-Dichloroethene	0.1472 0.2114	0.2440	0.2299	0.2230	0.2230	LinF		0.2132							0.9994		0.9900
Acetone	0.0679 0.0518	0.0465	0.0590	0.0469	0.0563	Ave		0.0547				14.9		15.0			
Carbon disulfide	0.8312 0.7587	0.7433	0.7279	0.7297	0.7719	Ave		0.7605				5.1		15.0			
Cyclopentene	0.5676 0.6346	0.6521	0.6647	0.6488	0.6535	Ave		0.6369				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	0.3501 0.2678	0.2780	0.2903	0.2796	0.2827	Ave		0.2914				10.2		15.0			
Acetonitrile	0.0025 0.0026	0.0026	0.0029	0.0024	0.0028	Ave		0.0026				7.2		15.0			
Methylene Chloride	0.3373 0.2642	0.3188	0.2882	0.2750	0.2739	Ave		0.2929				9.9		15.0			
TBA	0.0073 0.0061	0.0060	0.0072	0.0053	0.0068	Ave		0.0065				12.0		15.0			
MTBE	0.7888 0.7347	0.7708	0.7597	0.7441	0.7558	Ave		0.7590				2.5		15.0			
trans-1,2-Dichloroethene	0.2719 0.2468	0.2953	0.2782	0.2638	0.2622	Ave		0.2697				6.1		15.0			
Acrylonitrile	0.0853 0.0759	0.0757	0.0879	0.0775	0.0790	Ave		0.0802				6.4		15.0			
Hexane	0.1723 0.1614	0.1635	0.1550	0.1578	0.1648	Ave		0.1625				3.7		15.0			
DIPE	0.9540 0.8345	0.8941	0.8721	0.8570	0.8579	Ave		0.8783				4.8		15.0			
1,1-Dichloroethane	0.5226 0.4758	0.5491	0.5128	0.4999	0.4979	Ave		0.5097			0.1000	4.9		15.0			
Vinyl acetate	0.2476 0.2405	0.2380	0.2709	0.2402	0.2441	Ave		0.2469				5.0		15.0			
Tert-butyl ethyl ether	0.8502 0.8455	0.8464	0.8422	0.8273	0.8498	Ave		0.8436				1.0		15.0			
2,2-Dichloropropane	0.3953 0.3852	0.4175	0.3953	0.3841	0.3966	Ave		0.3957				3.0		15.0			
cis-1,2-Dichloroethene	0.3087 0.2835	0.3162	0.3010	0.2901	0.2932	Ave		0.2988				4.1		15.0			
2-Butanone	0.0177 0.0217	0.0165	0.0230	0.0192	0.0227	Ave		0.0201				13.6		15.0			
Ethyl acetate	0.0284 0.0255	0.0240	0.0251	0.0244	0.0263	Ave		0.0256				6.3		15.0			
Bromochloromethane	0.1669 0.1503	0.1636	0.1622	0.1564	0.1560	Ave		0.1592				3.8		15.0			
Tetrahydrofuran	0.1148 0.0643	0.0691	0.0667	0.0607	0.0683	LinF		0.0649							0.9992		0.9900
Chloroform	0.5448 0.4969	0.5543	0.5386	0.5152	0.5115	Ave		0.5269				4.2		30.0			
Cyclohexane	0.3924 0.3991	0.3902	0.3882	0.3973	0.4056	Ave		0.3955				1.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.3677 0.4311	0.4586	0.4365	0.4281	0.4411	Ave		0.4272				7.3		15.0			
Carbon tetrachloride	0.2725 0.3810	0.3784	0.3668	0.3635	0.3875	Ave		0.3583				12.0		15.0			
1,1-Dichloropropene	0.3388 0.3849	0.4161	0.3932	0.3859	0.3963	Ave		0.3859				6.7		15.0			
Benzene	1.5626 1.3001	1.5359	1.4539	1.3764	1.3394	Ave		1.4280				7.5		15.0			
Tert-amyl methyl ether	0.7310 0.7414	0.7229	0.7418	0.7338	0.7557	Ave		0.7378				1.5		15.0			
1,2-Dichloroethane	0.4323 0.3803	0.4436	0.4266	0.4070	0.4008	Ave		0.4151				5.6		15.0			
Isopropyl acetate	0.4562 0.6233	0.5643	0.6047	0.6003	0.6353	Ave		0.5807				11.3		15.0			
Trichloroethene	0.2934 0.2899	0.3141	0.2995	0.2879	0.2990	Ave		0.2973				3.2		15.0			
Methylcyclohexane	0.3308 0.3721	0.3673	0.3575	0.3618	0.3820	Ave		0.3619				4.8		15.0			
Ethyl acrylate	0.2838 0.3633	0.2813	0.3041	0.3075	0.3542	Ave		0.3157				11.1		15.0			
1,2-Dichloropropane	0.2988 0.2894	0.2987	0.2911	0.2795	0.2923	Ave		0.2916				2.4		30.0			
Dibromomethane	0.2013 0.1907	0.2152	0.2062	0.1985	0.2004	Ave		0.2021				4.0		15.0			
Methyl methacrylate	0.0558 0.0673	0.0557	0.0618	0.0605	0.0671	Ave		0.0614				8.4		15.0			
Propyl acetate	0.2819 0.3867	0.3048	0.3316	0.3316	0.3791	Ave		0.3359				12.2		15.0			
Bromodichloromethane	0.3702 0.4050	0.3946	0.3937	0.3863	0.4066	Ave		0.3927				3.4		15.0			
2-Chloroethyl vinyl ether	0.1490 0.1809	0.1454	0.1590	0.1607	0.1816	Ave		0.1628				9.5		15.0			
Epichlorohydrin	0.0189 0.0214	0.0177	0.0207	0.0180	0.0223	Ave		0.0198				9.5		15.0			
cis-1,3-Dichloropropene	0.5620 0.6102	0.6072	0.6195	0.6039	0.6174	Ave		0.6034				3.5		15.0			
Methyl isobutyl ketone (MIBK)	0.2892 0.3524	0.2811	0.3349	0.3157	0.3391	Ave		0.3187				9.0		15.0			
Toluene	1.5670 1.3626	1.5786	1.4857	1.4297	1.4318	Ave		1.4759				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.5170 0.5761	0.5232	0.5472	0.5399	0.5807	Ave		0.5473				4.8		15.0			
Tetrachloroethene	0.3514 0.3579	0.4414	0.4152	0.3971	0.3942	Ave		0.3929				8.7		15.0			
1,1,2-Trichloroethane	0.3104 0.2744	0.3070	0.3060	0.2860	0.2881	Ave		0.2953				4.9		15.0			
1,3-Dichloropropane	0.5729 0.5461	0.5901	0.5761	0.5460	0.5548	Ave		0.5643				3.2		15.0			
2-Hexanone	0.1419 +++++	0.1430	0.1871	0.1838	0.2133	LinF		0.2113							0.9967		0.9900
Dibromochloromethane	0.3597 0.3963	0.3694	0.3984	0.3926	0.4127	Ave		0.3882				5.1		15.0			
Butyl acetate	0.0631 0.0759	0.0635	0.0664	0.0678	0.0744	Ave		0.0685				8.0		15.0			
1,2-Dibromoethane	0.3601 0.3510	0.3670	0.3725	0.3502	0.3630	Ave		0.3606				2.4		15.0			
Chlorobenzene	1.0205 0.9115	1.0774	1.0270	0.9730	0.9692	Ave		0.9964			0.3000	5.8		15.0			
Ethylbenzene	0.4450 0.4525	0.5081	0.4922	0.4692	0.4845	Ave		0.4752				5.1		30.0			
1,1,1,2-Tetrachloroethane	0.3407 0.3356	0.3673	0.3723	0.3595	0.3595	Ave		0.3558				4.1		15.0			
m&p-Xylene	0.5535 0.5138	0.6326	0.6086	0.5903	0.5785	Ave		0.5795				7.2		15.0			
o-Xylene	0.5912 0.5446	0.6494	0.6308	0.6031	0.5884	Ave		0.6013				6.1		15.0			
Butyl acrylate	0.1941 0.2514	0.1985	0.2301	0.2371	0.2500	Ave		0.2269				11.0		15.0			
Styrene	0.9180 0.9396	1.0170	1.0500	1.0302	1.0236	Ave		0.9964				5.4		15.0			
Bromoform	0.2101 0.2676	0.2244	0.2480	0.2490	0.2772	Ave		0.2461			0.1000	10.3		15.0			
Amly acetate	0.5330 0.7427	0.5388	0.6103	0.6246	0.6864	Ave		0.6226				13.2		15.0			
Isopropylbenzene	1.2525 1.3615	1.6106	1.5731	1.5374	1.5059	Ave		1.4735				9.4		15.0			
Camphene, Total	0.1779 0.1294	0.1460	0.1366	0.1396	0.1346	Ave		0.1440				12.1		15.0			
Monobromobenzene	0.7827 0.7820	0.8237	0.8589	0.8138	0.8279	Ave		0.8148				3.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	0.8509 0.7713	0.8671	0.9166	0.8359	0.8219	Ave		0.8440			0.3000	5.7		15.0			
N-Propylbenzene	2.6829 2.7863	3.5323	3.4729	3.3615	3.3922	Ave		3.2047				11.6		15.0			
1,2,3-Trichloropropane	0.2853 0.2092	0.2275	0.2391	0.2162	0.2187	Ave		0.2327				11.9		15.0			
2-Chlorotoluene	1.9861 2.0447	2.2433	2.1966	2.1045	2.1733	Ave		2.1247				4.6		15.0			
1,3,5-Trimethylbenzene	1.9304 2.2507	2.5273	2.5124	2.4378	2.4405	Ave		2.3499				9.7		15.0			
4-Chlorotoluene	2.0574 2.1752	2.3740	2.2925	2.2144	2.2929	Ave		2.2344				5.0		15.0			
Butyl Methacrylate	0.6229 0.8810	0.6642	0.7765	0.8053	0.8671	Ave		0.7695				13.7		15.0			
tert-Butylbenzene	1.4754 1.9186	2.1990	2.1640	2.0798	2.0738	Ave		1.9851				13.5		15.0			
1,2,4-Trimethylbenzene	2.0329 2.3038	2.6194	2.6203	2.4916	2.4716	Ave		2.4233				9.2		15.0			
sec-Butylbenzene	1.8840 2.5684	3.1660	3.1178	2.9815	2.9354	LinF		2.6294							0.9962		0.9900
1,3-Dichlorobenzene	1.3429 1.2458	1.6604	1.5917	1.4875	1.4282	Ave		1.4594				10.6		15.0			
p-Isopropyltoluene	1.6782 2.1442	2.6282	2.6235	2.5108	2.4694	LinF		2.1986							0.9957		0.9900
1,4-Dichlorobenzene	1.4950 1.4176	1.7171	1.6448	1.5352	1.5256	Ave		1.5559				6.9		15.0			
Benzyl chloride	1.2514 1.5094	1.1418	1.3297	1.3970	1.5149	Ave		1.3574				10.8		15.0			
Indan	0.9463 0.9285	1.0738	1.1147	1.0975	1.0274	Ave		1.0314				7.6		15.0			
n-Butylbenzene	1.5302 2.1523	2.4684	2.4380	2.3359	2.3239	LinF		2.1795							0.9988		0.9900
1,2-Dichlorobenzene	1.3988 1.3832	1.6492	1.5980	1.5085	1.4769	Ave		1.5024				7.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1598 0.1609	0.1432	0.1535	0.1455	0.1624	Ave		0.1542				5.3		15.0			
Camphor	0.0417 0.0537	0.0351	0.0395	0.0379	0.0489	LinF		0.0530							0.9973		0.9900
1,2,4-Trichlorobenzene	0.8439 0.9979	1.1743	1.1738	1.1090	1.0955	Ave		1.0657				11.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2073 0.3532	0.3979	0.4097	0.3718	0.3892	LinF		0.3588							0.9981		0.9900
Naphthalene	2.0239 2.2602	2.4192	2.6568	2.5059	2.5736	Ave		2.4066				9.6		15.0			
1,2,3-Trichlorobenzene	0.7678 0.8944	1.0573	1.0577	0.9891	0.9841	Ave		0.9584				11.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3505 0.3294	0.3511	0.3455	0.3452	0.3339	Ave		0.3426				2.6		15.0			
Toluene-d8 (Surr)	1.2288 1.2310	1.2373	1.2302	1.2320	1.2138	Ave		1.2288				0.6		15.0			
Bromofluorobenzene	0.7953 0.8044	0.7817	0.8058	0.8172	0.8282	Ave		0.8054				2.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-82451/2	b37828.d
Level 2	IC 460-82451/3	b37830.d
Level 3	ICIS 460-82451/4	b37831.d
Level 4	IC 460-82451/5	b37832.d
Level 5	IC 460-82451/6	b37833.d
Level 6	IC 460-82451/7	b37834.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	LinF	3319 2584527	26584	97445	238028	1035162	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	LinF	14046 3527336	44778	161437	365412	1477272	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	5722 2908040	30481	112463	275666	1187001	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	2103 1416116	10907	39877	112607	548683	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	2926 1422500	15975	59042	137846	598305	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	5890 3609526	38164	149438	362097	1536829	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	495 223235	2530	9053	22353	93024	1.00 500	5.00	20.0	50.0	200
Ethyl ether	FB	Ave	4077 1665506	18445	70607	172365	702615	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	5090 2559346	27393	103179	258352	1063820	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	3505 1938829	21822	93842	244329	827333	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	2898 303048	13938	32816	77608	161131	4.00 400	20.0	40.0	100	200
1,1-Dichloroethene	FB	LinF	3306 2478601	27216	101756	249584	1030863	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	15240 607406	15552	26119	52494	260458	10.0 500	15.0	20.0	50.0	200
Carbon disulfide	FB	Ave	18665 8894649	82926	322192	816862	3568704	1.00 500	5.00	20.0	50.0	200
Cyclopentene	FB	Ave	12746 7440124	72744	294207	726323	3021527	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	7861 3139751	31016	128516	312952	1307190	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	1106 619640	5751	25410	54159	263438	20.0 10000	100	400	1000	4000
Methylene Chloride	FB	Ave	7574 3097177	35562	127556	307889	1266479	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	3268 1437934	13381	63847	118592	628904	20.0 10000	100	400	1000	4000
MTBE	FB	Ave	17713 8613701	85992	336256	832946	3494279	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	6106 2893684	32945	123119	295299	1212243	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	3831 355940	16897	38912	86704	182622	2.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	3869 1891770	18239	68609	176670	762135	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	21422 9783600	99750	386023	959349	3966248	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	11736 5578065	61261	226995	559579	2302054	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	5561 2819014	26550	119899	268832	1128729	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	19092 9912818	94427	372763	926100	3928784	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	8877 4516595	46577	174964	430004	1833787	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	6933 3324166	35271	133223	324762	1355745	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	3967 254907	5523	10176	21439	104998	10.0 500	15.0	20.0	50.0	200
Ethyl acetate	FB	Ave	1277 598421	5345	22246	54546	243477	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	3748 1762622	18254	71782	175112	721145	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	LinF	2578 753791	7714	29522	68000	315983	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	12234 5825954	61834	238387	576755	2364951	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	8812 4678964	43533	171848	444730	1875217	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	8256 5054674	51159	193195	479184	2039291	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	6120 4467067	42212	162360	406945	1791585	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloropropene	FB	Ave	7607 4512709	46425	174061	432003	1832421	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	25534 11781423	124395	478616	1156750	4810628	1.00 500	5.00	20.0	50.0	200
Tert-amyl methyl ether	FB	Ave	16414 8692048	80652	328344	821469	3493885	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	9707 4458180	49483	188830	455574	1853086	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	20489 14616031	125900	535308	1343984	5874079	2.00 1000	10.0	40.0	100	400
Trichloroethene	FB	Ave	6588 3398348	35037	132580	322323	1382260	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	7428 4361875	40975	158250	405047	1766235	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	6373 4258808	31380	134599	344261	1637785	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	6709 3393176	33320	128855	312924	1351174	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	4521 2235725	24008	91260	222221	926389	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	1252 789388	6218	27365	67767	310375	1.00 500	5.00	20.0	50.0	200
Propyl acetate	FB	Ave	12658 9066903	68004	293568	742357	3505350	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	8312 4747903	44025	174278	432447	1880060	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	3345 2120977	16223	70389	179906	839779	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	6165 3876019	28657	136198	302983	1598884	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	9183 5529837	49180	203945	507536	2217470	1.00 500	5.00	20.0	50.0	200
Methyl isobutyl ketone (MIBK)	CBZ	Ave	47259 3193709	68292	110238	265312	1218049	10.0 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	25606 12347840	127859	489089	1201614	5142540	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	8448 5220417	42374	180154	453772	2085589	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	5743 3243488	35749	136672	333774	1415771	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	5073 2486495	24861	100720	240371	1034933	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,3-Dichloropropane	CBZ	Ave	9361 4948312	47794	189650	458857	1992787	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	LinF	23180 +++++	34740	61608	154463	766153	10.0 +++++	15.0	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	5878 3591343	29919	131141	329951	1482190	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	2062 1376233	10287	43725	114014	534101	2.00 1000	10.0	40.0	100	400
1,2-Dibromoethane	CBZ	Ave	5884 3180417	29723	122623	294353	1303866	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	16676 8259480	87264	338084	817721	3481137	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	7272 4100218	41151	162019	394320	1740341	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	5568 3041329	29752	122574	302124	1291149	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	18088 9311695	102477	400684	992282	4155520	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	9661 4935304	52594	207661	506903	2113295	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	CBZ	Ave	3172 2277745	16078	75752	199311	897922	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	15001 8514008	82373	345660	865860	3676489	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	3434 2424634	18172	81648	209277	995663	1.00 500	5.00	20.0	50.0	200
Amly acetate	DCB	Ave	4761 3591255	24368	110415	289201	1320312	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	20467 12337828	130451	517880	1292067	5408541	1.00 500	5.00	20.0	50.0	200
Camphene, Total	CBZ	Ave	2907 1172348	11827	44954	117362	483446	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	6991 3781298	37249	155413	376792	1592447	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	7601 3729759	39212	165844	387051	1580840	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	23965 13472789	159741	628371	1556418	6524945	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	2548 1011504	10289	43265	100113	420721	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	17741 9887103	101448	397432	974398	4180409	1.00 500	5.00	20.0	50.0	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCB	Ave	17243 10882909	114295	454585	1128723	4694419	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	18378 10518041	107360	414796	1025289	4410513	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	5564 4259806	30038	140497	372845	1667785	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	13179 9277467	99444	391534	962974	3989045	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	18159 11139684	118458	474110	1153620	4754073	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	LinF	16829 12419147	143179	564113	1380448	5646231	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	11995 6023890	75090	287995	688727	2747231	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	LinF	14990 10367962	118856	474676	1162507	4750012	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	13354 6854742	77655	297602	710836	2934588	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	11178 7298439	51636	240591	646807	2913869	1.00 500	5.00	20.0	50.0	200
Indan	FB	Ave	21249 10885104	119796	493384	1228585	4749872	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	LinF	13668 10407466	111630	441123	1081529	4470127	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	12495 6688212	74582	289136	698447	2840750	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	1427 777892	6474	27777	67390	312424	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	LinF	1862 1299472	7943	35739	87701	470562	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	7538 4825483	53105	212385	513465	2107114	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	LinF	1852 1708113	17994	74135	172142	748710	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	18078 10929123	109403	480705	1160267	4950362	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	6858 4324908	47813	191381	457953	1892847	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	393545 386232	391651	382324	386383	385936	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1003974 1115467	1002146	1012472	1035406	1089926	50.0 50.0	50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 82451

SDG No.:

Instrument ID: VOAMS2 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/08/2011 21:27 Calibration End Date: 08/09/2011 00:21 Calibration ID: 11796

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromofluorobenzene	DCB	Ave	355181 388962	353519	364490	378358	398248	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37828.d
Report Date: 09-Aug-2011 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37828.d
Lab Smp Id: IC-VM2CAL1
Inj Date : 08-AUG-2011 21:27
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM2CAL1
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 09-Aug-2011 11:26 moroneyc Quant Type: ISTD
Cal Date : 08-AUG-2011 21:27 Cal File: b37828.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2	Dichlorodifluoromethane	85	1.011	1.011	(0.201)	3319	1.00000	1.0
3	Chloromethane	50	1.159	1.159	(0.231)	14046	1.00000	1.0
4	Vinyl Chloride	62	1.233	1.233	(0.245)	5722	1.00000	1.0
6	Bromomethane	94	1.496	1.505	(0.298)	2103	1.00000	1.0
5	Chloroethane	64	1.579	1.579	(0.314)	2926	1.00000	1.0
7	Trichlorofluoromethane	101	1.752	1.752	(0.348)	5890	1.00000	1.0
8	n-Pentane	72	1.793	1.793	(0.357)	495	1.00000	1.0(a)
10	Isoprene	67	2.007	2.007	(0.399)	5090	1.00000	1.0
11	Ethyl Ether	59	2.007	2.007	(0.399)	4077	1.00000	1.0
13	Acrolein	56	2.171	2.171	(0.432)	2898	4.00000	4.0
15	1,1-Dichloroethene	96	2.179	2.180	(0.434)	3306	1.00000	1.0
14	Freon TF	101	2.155	2.155	(0.429)	3505	1.00000	1.0
16	Acetone	43	2.311	2.311	(0.460)	15240	10.0000	10
18	Carbon Disulfide	76	2.336	2.336	(0.465)	18665	1.00000	1.0
21	Acetonitrile	39	2.616	2.616	(0.520)	1106	20.0000	20
170	Cyclopentene	67	2.517	2.517	(0.501)	12746	1.00000	1.0

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37828.d
Report Date: 09-Aug-2011 11:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	7861	1.00000	1.0
	22 Methylene Chloride	84	2.649	2.649	(0.527)	7574	1.00000	1.0
	24 TBA	59	2.788	2.780	(0.555)	3268	20.0000	20
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	6106	1.00000	1.0
	26 Acrylonitrile	53	2.953	2.953	(0.587)	3831	2.00000	2.0
	28 MTBE	73	2.830	2.830	(0.563)	17713	1.00000	1.0
	29 Hexane	56	3.002	3.002	(0.597)	3869	1.00000	1.0
	30 1,1-Dichloroethane	63	3.266	3.274	(0.650)	11736	1.00000	1.0
	31 Vinyl Acetate	43	3.323	3.315	(0.661)	5561	1.00000	1.0
	32 DIPE	45	3.266	3.258	(0.650)	21422	1.00000	1.0
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	19092	1.00000	1.0
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	8877	1.00000	1.0
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	6933	1.00000	1.0
	38 2-Butanone	72	3.908	3.900	(0.777)	3967	10.0000	10
	39 Ethyl Acetate	70	3.924	3.916	(0.781)	1277	2.00000	2.0
	40 Bromochloromethane	128	4.089	4.089	(0.813)	3748	1.00000	1.0
	41 Tetrahydrofuran	42	4.097	4.089	(0.815)	2578	1.00000	1.0
	42 Chloroform	83	4.171	4.171	(0.830)	12234	1.00000	1.0
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	8256	1.00000	1.0
	44 Cyclohexane	56	4.253	4.253	(0.846)	8812	1.00000	1.0
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	6120	1.00000	1.0
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	7607	1.00000	1.0
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.722	4.722	(0.939)	393545	50.0000	50
	48 Benzene	78	4.681	4.681	(0.553)	25534	1.00000	1.0
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	9707	1.00000	1.0
	50 t-Amyl-methyl-ether	73	4.796	4.788	(0.954)	16414	1.00000	1.0
	61 Isopropyl Acetate	43	4.838	4.829	(0.962)	20489	2.00000	2.0
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1122757	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	6588	1.00000	1.0
	56 Methyl cyclohexane	83	5.545	5.545	(1.103)	7428	1.00000	1.0
	55 Ethyl Acrylate	55	5.652	5.644	(1.124)	6373	1.00000	1.0
	57 1,2-Dichloropropane	63	5.776	5.768	(1.149)	6709	1.00000	1.0
	58 Dibromomethane	93	5.916	5.916	(1.177)	4521	1.00000	1.0
	59 Methyl Methacrylate	100	5.932	5.924	(1.180)	1252	1.00000	1.0
	75 Propyl Acetate	43	6.014	6.006	(1.196)	12658	2.00000	2.0
	68 Bromodichloromethane	83	6.121	6.122	(1.218)	8312	1.00000	1.0
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	3345	1.00000	1.0
	63 Epichlorohydrin	57	6.681	6.673	(0.790)	6165	20.0000	20
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	9183	1.00000	1.0
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	47259	10.0000	10
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	1003974	50.0000	50
	66 Toluene	91	7.035	7.035	(0.832)	25606	1.00000	1.0
	64 trans-1,3-Dichloropropene	75	7.422	7.414	(0.877)	8448	1.00000	1.0
	69 1,1,2-Trichloroethane	83	7.595	7.603	(0.898)	5073	1.00000	1.0
	71 Tetrachloroethene	166	7.603	7.595	(0.899)	5743	1.00000	1.0
	72 1,3-Dichloropropane	76	7.776	7.767	(0.919)	9361	1.00000	1.0
	73 2-Hexanone	43	7.850	7.850	(0.928)	23180	10.0000	10

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37828.d
Report Date: 09-Aug-2011 11:26

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	74	Dibromochloromethane	129	7.948	7.949	(0.940)	5878	1.00000	1.0
	76	Butyl Acetate	73	7.957	7.957	(0.941)	2062	2.00000	2.0
	77	1,2-Dibromoethane	107	8.055	8.056	(0.952)	5884	1.00000	1.0
*	78	Chlorobenzene-d5	117	8.459	8.459	(1.000)	817049	50.0000	
	79	Chlorobenzene	112	8.483	8.483	(1.003)	16676	1.00000	1.0
	80	1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	5568	1.00000	1.0
	81	Ethylbenzene	106	8.566	8.566	(1.013)	7272	1.00000	1.0
	82	m+p-Xylene	106	8.673	8.673	(1.025)	18088	2.00000	2.0
	84	o-Xylene	106	9.010	9.010	(1.065)	9661	1.00000	1.0
	85	Styrene	104	9.043	9.043	(1.069)	15001	1.00000	1.0
	83	Butyl Acrylate	73	9.027	9.027	(1.067)	3172	1.00000	1.0
	86	Bromoform	173	9.208	9.208	(1.089)	3434	1.00000	1.0
	87	Amyl Acetate	43	9.208	9.216	(0.891)	4761	1.00000	1.0
	88	Isopropylbenzene	105	9.306	9.306	(1.100)	20467	1.00000	1.0
$	89	Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	355181	50.0000	50
	90	Camphene (total)	41	9.471	9.471	(1.120)	2907	1.00000	1.0
	91	Bromobenzene	156	9.570	9.570	(0.926)	6991	1.00000	1.0
	92	1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	7601	1.00000	1.0
	93	1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	2548	1.00000	1.0
	95	n-Propylbenzene	91	9.627	9.627	(0.932)	23965	1.00000	1.0
	96	2-Chlorotoluene	91	9.710	9.710	(0.939)	17741	1.00000	1.0
	97	1,3,5-Trimethylbenzene	105	9.775	9.776	(0.946)	17243	1.00000	1.0
	98	4-Chlorotoluene	91	9.800	9.808	(0.948)	18378	1.00000	1.0
	99	Butyl Methacrylate	87	9.866	9.866	(0.955)	5564	1.00000	1.0
	100	tert-Butylbenzene	119	10.006	10.006	(0.968)	13179	1.00000	1.0
	101	1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	18159	1.00000	1.0
	103	sec-Butylbenzene	105	10.170	10.171	(0.984)	16829	1.00000	1.0
	105	1,3-Dichlorobenzene	146	10.277	10.278	(0.994)	11995	1.00000	1.0
	107	p-Isopropyltoluene	119	10.277	10.278	(0.994)	14990	1.00000	1.0
*	108	1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	446622	50.0000	
	109	1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	13354	1.00000	1.0
	110	Benzyl Chloride	91	10.467	10.467	(1.013)	11178	1.00000	1.0
	106	n-Butylbenzene	91	10.574	10.574	(1.023)	13668	1.00000	1.0
	171	Indan	117	10.508	10.508	(2.090)	21249	1.00000	1.0
	111	1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	12495	1.00000	1.0
	112	1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	1427	1.00000	1.0
	113	Camphor	95	11.660	11.660	(1.128)	1862	5.00000	5.0
	114	1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	7538	1.00000	1.0
	115	Hexachlorobutadiene	225	11.792	11.792	(1.141)	1852	1.00000	1.0
	116	Naphthalene	128	11.890	11.891	(1.150)	18078	1.00000	1.0
	117	1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	6858	1.00000	1.0
M	120	1,2-Dichloroethene (Total)	100				13039	2.00000	2.0
M	121	Xylene (Total)	100				27749	3.00000	3.0

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37828.d
Report Date: 09-Aug-2011 11:26

QC Flag Legend

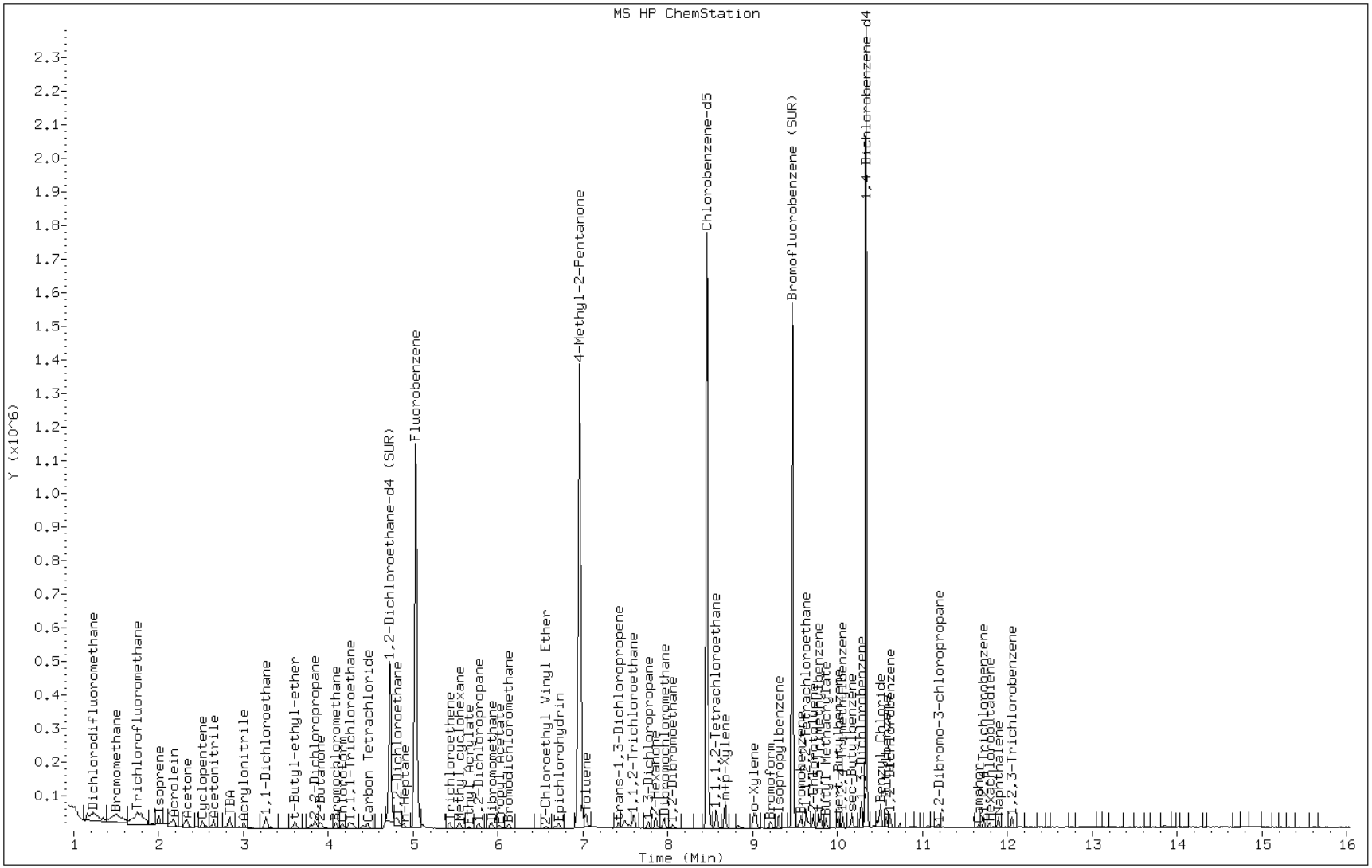
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: b37828.d

Date: 08-AUG-2011 21:27

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM2CAL1 Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37830.d
Report Date: 09-Aug-2011 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37830.d
Lab Smp Id: IC-VM2CAL2
Inj Date : 08-AUG-2011 22:25
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM2CAL2
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 09-Aug-2011 11:26 moroneyc Quant Type: ISTD
Cal Date : 08-AUG-2011 22:25 Cal File: b37830.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2	Dichlorodifluoromethane	85	1.011	1.011	(0.201)	26584	5.00000	5.0
3	Chloromethane	50	1.159	1.159	(0.231)	44778	5.00000	4.8
4	Vinyl Chloride	62	1.233	1.233	(0.245)	30481	5.00000	5.2
6	Bromomethane	94	1.496	1.505	(0.298)	10907	5.00000	5.1
5	Chloroethane	64	1.587	1.579	(0.316)	15975	5.00000	5.2
7	Trichlorofluoromethane	101	1.751	1.752	(0.348)	38164	5.00000	5.7
8	n-Pentane	72	1.793	1.793	(0.357)	2530	5.00000	5.1
10	Isoprene	67	2.007	2.007	(0.399)	27393	5.00000	5.2
11	Ethyl Ether	59	2.007	2.007	(0.399)	18445	5.00000	4.8
13	Acrolein	56	2.179	2.171	(0.434)	13938	20.0000	20
15	1,1-Dichloroethene	96	2.179	2.180	(0.434)	27216	5.00000	5.0
14	Freon TF	101	2.163	2.155	(0.430)	21822	5.00000	5.6
16	Acetone	43	2.311	2.311	(0.460)	15552	15.0000	12
18	Carbon Disulfide	76	2.336	2.336	(0.465)	82926	5.00000	4.7
21	Acetonitrile	39	2.616	2.616	(0.520)	5751	100.000	100
170	Cyclopentene	67	2.517	2.517	(0.501)	72744	5.00000	5.3

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37830.d
Report Date: 09-Aug-2011 11:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	31016	5.00000	4.4
	22 Methylene Chloride	84	2.648	2.649	(0.527)	35562	5.00000	4.8
	24 TBA	59	2.780	2.780	(0.553)	13381	100.000	90
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.564)	32945	5.00000	5.2
	26 Acrylonitrile	53	2.953	2.953	(0.587)	16897	10.0000	9.4
	28 MTBE	73	2.830	2.830	(0.563)	85992	5.00000	4.9
	29 Hexane	56	3.002	3.002	(0.597)	18239	5.00000	4.9
	30 1,1-Dichloroethane	63	3.274	3.274	(0.651)	61261	5.00000	5.1
	31 Vinyl Acetate	43	3.323	3.315	(0.661)	26550	5.00000	4.9
	32 DIPE	45	3.266	3.258	(0.650)	99750	5.00000	4.8
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	94427	5.00000	5.0
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	46577	5.00000	5.1
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	35271	5.00000	5.0
	38 2-Butanone	72	3.899	3.900	(0.776)	5523	15.0000	14
	39 Ethyl Acetate	70	3.916	3.916	(0.779)	5345	10.0000	9.1
	40 Bromochloromethane	128	4.089	4.089	(0.813)	18254	5.00000	5.0
	41 Tetrahydrofuran	42	4.097	4.089	(0.815)	7714	5.00000	4.8
	42 Chloroform	83	4.171	4.171	(0.830)	61834	5.00000	5.0
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	51159	5.00000	5.6
	44 Cyclohexane	56	4.253	4.253	(0.846)	43533	5.00000	5.0
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	42212	5.00000	5.8
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	46425	5.00000	5.5
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.722	4.722	(0.939)	391651	50.0000	50
	48 Benzene	78	4.681	4.681	(0.553)	124395	5.00000	5.0
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	49483	5.00000	5.1
	50 t-Amyl-methyl-ether	73	4.796	4.788	(0.954)	80652	5.00000	5.0
	61 Isopropyl Acetate	43	4.838	4.829	(0.962)	125900	10.0000	11
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1115596	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	35037	5.00000	5.2
	56 Methyl cyclohexane	83	5.545	5.545	(1.103)	40975	5.00000	5.3
	55 Ethyl Acrylate	55	5.652	5.644	(1.124)	31380	5.00000	5.0
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	33320	5.00000	5.0
	58 Dibromomethane	93	5.916	5.916	(1.177)	24008	5.00000	5.2
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	6218	5.00000	5.0
	75 Propyl Acetate	43	6.006	6.006	(1.195)	68004	10.0000	10
	68 Bromodichloromethane	83	6.121	6.122	(1.218)	44025	5.00000	5.2
	62 2-Chloroethyl Vinyl Ether	63	6.558	6.566	(1.304)	16223	5.00000	4.9
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	28657	100.000	97
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	49180	5.00000	5.2
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	68292	15.0000	15
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	1002146	50.0000	50
	66 Toluene	91	7.035	7.035	(0.832)	127859	5.00000	5.0
	64 trans-1,3-Dichloropropene	75	7.422	7.414	(0.877)	42374	5.00000	5.0
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	24861	5.00000	5.0
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	35749	5.00000	5.6
	72 1,3-Dichloropropane	76	7.767	7.767	(0.918)	47794	5.00000	5.1
	73 2-Hexanone	43	7.858	7.850	(0.929)	34740	15.0000	15

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37830.d
Report Date: 09-Aug-2011 11:26

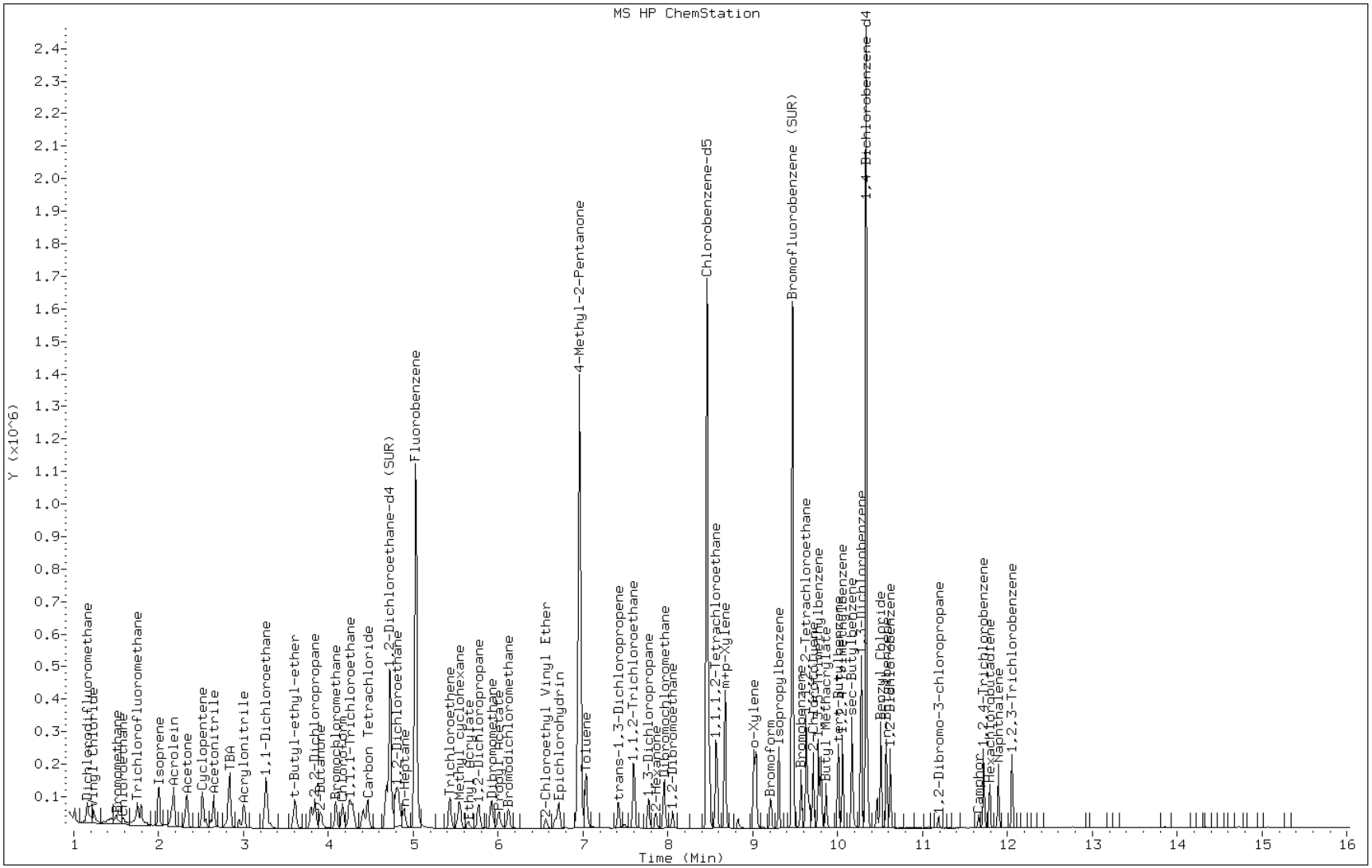
			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	74	Dibromochloromethane	129	7.948	7.949	(0.940)	29919	5.00000	5.1
	76	Butyl Acetate	73	7.957	7.957	(0.941)	10287	10.0000	10
	77	1,2-Dibromoethane	107	8.055	8.056	(0.952)	29723	5.00000	5.0
*	78	Chlorobenzene-d5	117	8.459	8.459	(1.000)	809933	50.0000	
	79	Chlorobenzene	112	8.483	8.483	(1.003)	87264	5.00000	5.1
	80	1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	29752	5.00000	5.2
	81	Ethylbenzene	106	8.566	8.566	(1.013)	41151	5.00000	5.3
	82	m+p-Xylene	106	8.673	8.673	(1.025)	102477	10.0000	11
	84	o-Xylene	106	9.010	9.010	(1.065)	52594	5.00000	5.2
	85	Styrene	104	9.043	9.043	(1.069)	82373	5.00000	5.2
	83	Butyl Acrylate	73	9.027	9.027	(1.067)	16078	5.00000	5.0
	86	Bromoform	173	9.208	9.208	(1.089)	18172	5.00000	5.2
	87	Amyl Acetate	43	9.216	9.216	(0.892)	24368	5.00000	5.0
	88	Isopropylbenzene	105	9.306	9.306	(1.100)	130451	5.00000	5.6
$	89	Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	353519	50.0000	50
	90	Camphene (total)	41	9.471	9.471	(1.120)	11827	5.00000	4.5
	91	Bromobenzene	156	9.570	9.570	(0.926)	37249	5.00000	5.1
	92	1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	39212	5.00000	5.0
	93	1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	10289	5.00000	4.4
	95	n-Propylbenzene	91	9.627	9.627	(0.932)	159741	5.00000	5.7
	96	2-Chlorotoluene	91	9.710	9.710	(0.939)	101448	5.00000	5.3
	97	1,3,5-Trimethylbenzene	105	9.775	9.776	(0.946)	114295	5.00000	5.7
	98	4-Chlorotoluene	91	9.808	9.808	(0.949)	107360	5.00000	5.4
	99	Butyl Methacrylate	87	9.866	9.866	(0.955)	30038	5.00000	5.2
	100	tert-Butylbenzene	119	10.006	10.006	(0.968)	99444	5.00000	6.0
	101	1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	118458	5.00000	5.6
	103	sec-Butylbenzene	105	10.170	10.171	(0.984)	143179	5.00000	5.0
	105	1,3-Dichlorobenzene	146	10.277	10.278	(0.994)	75090	5.00000	5.5
	107	p-Isopropyltoluene	119	10.277	10.278	(0.994)	118856	5.00000	5.0
*	108	1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	452233	50.0000	
	109	1,4-Dichlorobenzene	146	10.351	10.352	(1.002)	77655	5.00000	5.3
	110	Benzyl Chloride	91	10.467	10.467	(1.013)	51636	5.00000	4.8
	106	n-Butylbenzene	91	10.574	10.574	(1.023)	111630	5.00000	5.0
	171	Indan	117	10.508	10.508	(2.090)	119796	5.00000	5.3
	111	1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	74582	5.00000	5.4
	112	1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	6474	5.00000	4.7
	113	Camphor	95	11.660	11.660	(1.128)	7943	25.0000	25
	114	1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	53105	5.00000	5.8
	115	Hexachlorobutadiene	225	11.792	11.792	(1.141)	17994	5.00000	5.0
	116	Naphthalene	128	11.890	11.891	(1.150)	109403	5.00000	5.4
	117	1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	47813	5.00000	5.8
M	120	1,2-Dichloroethene (Total)	100				68216	10.0000	10
M	121	Xylene (Total)	100				155071	15.0000	16

Data File: b37830.d

Date: 08-AUG-2011 22:25

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM2CAL2 Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37831.d
Report Date: 09-Aug-2011 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37831.d
Lab Smp Id: ICIS-VM2CAL3
Inj Date : 08-AUG-2011 22:54
Operator : Inst ID: VOAMS2.i
Smp Info : ICIS-VM2CAL3
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 09-Aug-2011 11:26 moroneyc Quant Type: ISTD
Cal Date : 08-AUG-2011 22:54 Cal File: b37831.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	97445	20.0000	20
3 Chloromethane	50	1.159	1.159	(0.231)	161437	20.0000	20
4 Vinyl Chloride	62	1.233	1.233	(0.245)	112463	20.0000	19
6 Bromomethane	94	1.505	1.505	(0.299)	39877	20.0000	19
5 Chloroethane	64	1.579	1.579	(0.314)	59042	20.0000	20
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	149438	20.0000	22
8 n-Pentane	72	1.793	1.793	(0.357)	9053	20.0000	19
10 Isoprene	67	2.007	2.007	(0.399)	103179	20.0000	20
11 Ethyl Ether	59	2.007	2.007	(0.399)	70607	20.0000	19
13 Acrolein	56	2.171	2.171	(0.432)	32816	40.0000	44
15 1,1-Dichloroethene	96	2.180	2.180	(0.434)	101756	20.0000	20
14 Freon TF	101	2.155	2.155	(0.429)	93842	20.0000	22
16 Acetone	43	2.311	2.311	(0.460)	26119	20.0000	20
18 Carbon Disulfide	76	2.336	2.336	(0.465)	322192	20.0000	19
21 Acetonitrile	39	2.616	2.616	(0.520)	25410	400.000	440
170 Cyclopentene	67	2.517	2.517	(0.501)	294207	20.0000	21

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37831.d
Report Date: 09-Aug-2011 11:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	128516	20.0000	19
	22 Methylene Chloride	84	2.649	2.649	(0.527)	127556	20.0000	18
	24 TBA	59	2.780	2.780	(0.553)	63847	400.000	420
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	123119	20.0000	20
	26 Acrylonitrile	53	2.953	2.953	(0.587)	38912	20.0000	21
	28 MTBE	73	2.830	2.830	(0.563)	336256	20.0000	20
	29 Hexane	56	3.002	3.002	(0.597)	68609	20.0000	19
	30 1,1-Dichloroethane	63	3.274	3.274	(0.651)	226995	20.0000	19
	31 Vinyl Acetate	43	3.315	3.315	(0.659)	119899	20.0000	21
	32 DIPE	45	3.258	3.258	(0.648)	386023	20.0000	19
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	372763	20.0000	20
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	174964	20.0000	20
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	133223	20.0000	20
	38 2-Butanone	72	3.900	3.900	(0.776)	10176	20.0000	24
	39 Ethyl Acetate	70	3.916	3.916	(0.779)	22246	40.0000	39
	40 Bromochloromethane	128	4.089	4.089	(0.813)	71782	20.0000	20
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	29522	20.0000	20
	42 Chloroform	83	4.171	4.171	(0.830)	238387	20.0000	20
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	193195	20.0000	21
	44 Cyclohexane	56	4.253	4.253	(0.846)	171848	20.0000	20
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	162360	20.0000	22
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	174061	20.0000	20
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.722	4.722	(0.939)	382324	50.0000	49
	48 Benzene	78	4.681	4.681	(0.553)	478616	20.0000	19
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	188830	20.0000	20
	50 t-Amyl-methyl-ether	73	4.788	4.788	(0.953)	328344	20.0000	20
	61 Isopropyl Acetate	43	4.829	4.829	(0.961)	535308	40.0000	45
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1106575	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	132580	20.0000	20
	56 Methyl cyclohexane	83	5.545	5.545	(1.103)	158250	20.0000	20
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	134599	20.0000	21
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	128855	20.0000	20
	58 Dibromomethane	93	5.916	5.916	(1.177)	91260	20.0000	20
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	27365	20.0000	21
	75 Propyl Acetate	43	6.006	6.006	(1.195)	293568	40.0000	43
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	174278	20.0000	20
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	70389	20.0000	21
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	136198	400.000	430
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	203945	20.0000	21
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	110238	20.0000	22
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	1012472	50.0000	50
	66 Toluene	91	7.035	7.035	(0.832)	489089	20.0000	19
	64 trans-1,3-Dichloropropene	75	7.414	7.414	(0.876)	180154	20.0000	21
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	100720	20.0000	20
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	136672	20.0000	21
	72 1,3-Dichloropropane	76	7.767	7.767	(0.918)	189650	20.0000	20
	73 2-Hexanone	43	7.850	7.850	(0.928)	61608	20.0000	22

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37831.d
Report Date: 09-Aug-2011 11:26

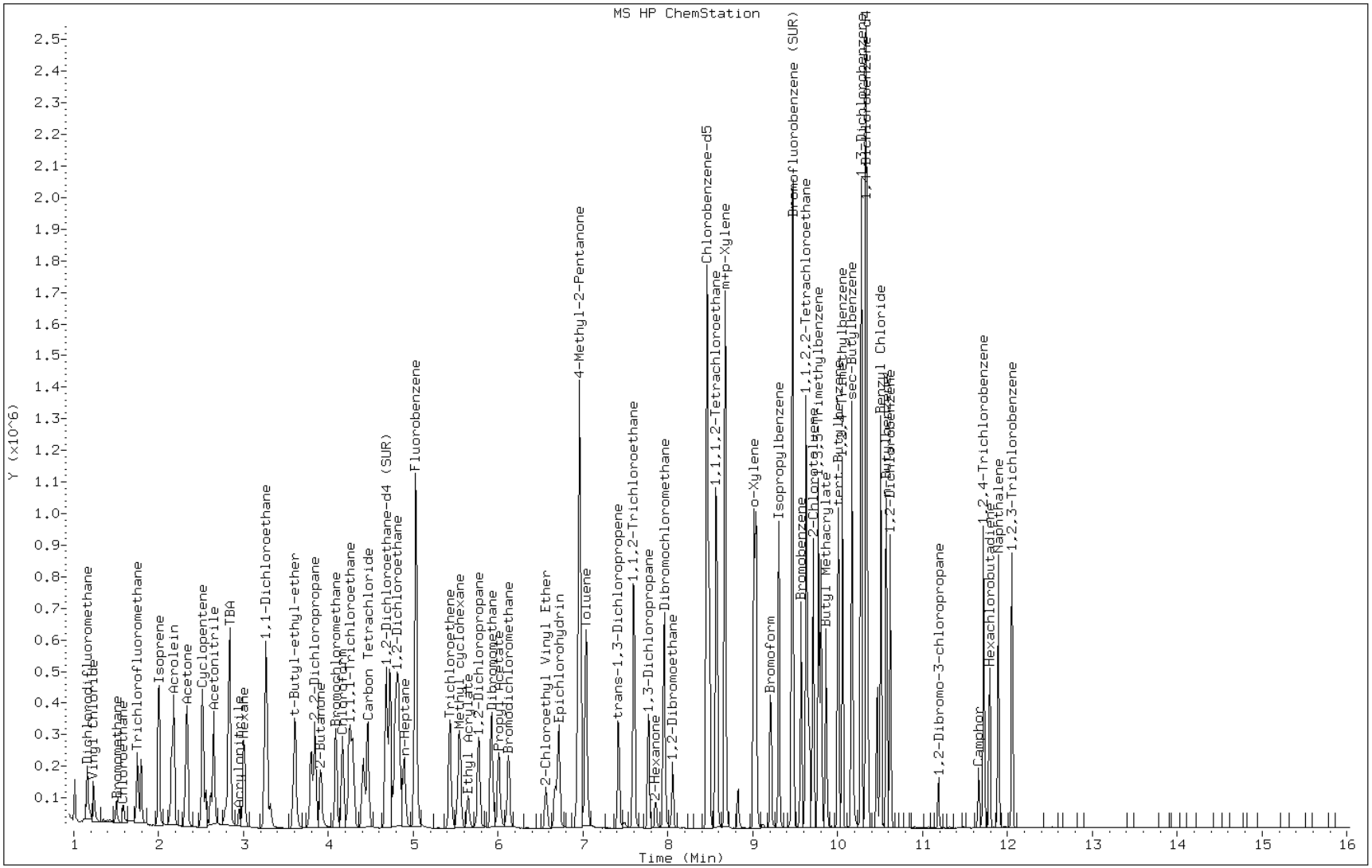
			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	74	Dibromochloromethane	129	7.949	7.949	(0.940)	131141	20.0000	21
	76	Butyl Acetate	73	7.957	7.957	(0.941)	43725	40.0000	41
	77	1,2-Dibromoethane	107	8.056	8.056	(0.952)	122623	20.0000	20
*	78	Chlorobenzene-d5	117	8.459	8.459	(1.000)	823004	50.0000	
	79	Chlorobenzene	112	8.483	8.483	(1.003)	338084	20.0000	20
	80	1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	122574	20.0000	21
	81	Ethylbenzene	106	8.566	8.566	(1.013)	162019	20.0000	20
	82	m+p-Xylene	106	8.673	8.673	(1.025)	400684	40.0000	41
	84	o-Xylene	106	9.010	9.010	(1.065)	207661	20.0000	20
	85	Styrene	104	9.043	9.043	(1.069)	345660	20.0000	21
	83	Butyl Acrylate	73	9.027	9.027	(1.067)	75752	20.0000	22
	86	Bromoform	173	9.208	9.208	(1.089)	81648	20.0000	22
	87	Amyl Acetate	43	9.216	9.216	(0.892)	110415	20.0000	22
	88	Isopropylbenzene	105	9.306	9.306	(1.100)	517880	20.0000	21
$	89	Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	364490	50.0000	51
	90	Camphene (total)	41	9.471	9.471	(1.120)	44954	20.0000	18
	91	Bromobenzene	156	9.570	9.570	(0.926)	155413	20.0000	21
	92	1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	165844	20.0000	21
	93	1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	43265	20.0000	19
	95	n-Propylbenzene	91	9.627	9.627	(0.932)	628371	20.0000	22
	96	2-Chlorotoluene	91	9.710	9.710	(0.939)	397432	20.0000	20
	97	1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	454585	20.0000	22
	98	4-Chlorotoluene	91	9.808	9.808	(0.949)	414796	20.0000	20
	99	Butyl Methacrylate	87	9.866	9.866	(0.955)	140497	20.0000	22
	100	tert-Butylbenzene	119	10.006	10.006	(0.968)	391534	20.0000	22
	101	1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	474110	20.0000	22
	103	sec-Butylbenzene	105	10.171	10.171	(0.984)	564113	20.0000	20
	105	1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	287995	20.0000	21
	107	p-Isopropyltoluene	119	10.278	10.278	(0.994)	474676	20.0000	20
*	108	1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	452335	50.0000	
	109	1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	297602	20.0000	20
	110	Benzyl Chloride	91	10.467	10.467	(1.013)	240591	20.0000	21
	106	n-Butylbenzene	91	10.574	10.574	(1.023)	441123	20.0000	20
	171	Indan	117	10.508	10.508	(2.090)	493384	20.0000	21
	111	1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	289136	20.0000	21
	112	1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	27777	20.0000	20
	113	Camphor	95	11.660	11.660	(1.128)	35739	100.000	100
	114	1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	212385	20.0000	22
	115	Hexachlorobutadiene	225	11.792	11.792	(1.141)	74135	20.0000	20
	116	Naphthalene	128	11.891	11.891	(1.150)	480705	20.0000	22
	117	1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	191381	20.0000	22
M	120	1,2-Dichloroethene (Total)	100				256342	40.0000	39
M	121	Xylene (Total)	100				608345	60.0000	61

Data File: b37831.d

Date: 08-AUG-2011 22:54

Client ID: Instrument: VOAMS2.i

Sample Info: ICIS-VM2CAL3 Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37832.d
Report Date: 09-Aug-2011 11:26

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37832.d
Lab Smp Id: IC-VM2CAL4
Inj Date : 08-AUG-2011 23:23
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM2CAL4
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 09-Aug-2011 11:26 moroneyc Quant Type: ISTD
Cal Date : 08-AUG-2011 23:23 Cal File: b37832.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	238028	50.0000	50
3 Chloromethane	50	1.159	1.159	(0.231)	365412	50.0000	49
4 Vinyl Chloride	62	1.233	1.233	(0.245)	275666	50.0000	48
6 Bromomethane	94	1.505	1.505	(0.299)	112607	50.0000	53
5 Chloroethane	64	1.579	1.579	(0.314)	137846	50.0000	46
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	362097	50.0000	51
8 n-Pentane	72	1.793	1.793	(0.357)	22353	50.0000	47
10 Isoprene	67	2.007	2.007	(0.399)	258352	50.0000	49
11 Ethyl Ether	59	2.007	2.007	(0.399)	172365	50.0000	47
13 Acrolein	56	2.171	2.171	(0.432)	77608	100.000	100
15 1,1-Dichloroethene	96	2.180	2.180	(0.434)	249584	50.0000	50
14 Freon TF	101	2.155	2.155	(0.429)	244329	50.0000	56
16 Acetone	43	2.311	2.311	(0.460)	52494	50.0000	42
18 Carbon Disulfide	76	2.336	2.336	(0.465)	816862	50.0000	48
21 Acetonitrile	39	2.616	2.616	(0.520)	54159	1000.00	940
170 Cyclopentene	67	2.517	2.517	(0.501)	726323	50.0000	51

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37832.d
Report Date: 09-Aug-2011 11:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	312952	50.0000	47
	22 Methylene Chloride	84	2.649	2.649	(0.527)	307889	50.0000	45
	24 TBA	59	2.780	2.780	(0.553)	118592	1000.00	820
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	295299	50.0000	48
	26 Acrylonitrile	53	2.953	2.953	(0.587)	86704	50.0000	47
	28 MTBE	73	2.830	2.830	(0.563)	832946	50.0000	48
	29 Hexane	56	3.003	3.002	(0.597)	176670	50.0000	49
	30 1,1-Dichloroethane	63	3.274	3.274	(0.651)	559579	50.0000	48
	31 Vinyl Acetate	43	3.315	3.315	(0.659)	268832	50.0000	48
	32 DIPE	45	3.258	3.258	(0.648)	959349	50.0000	48
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	926100	50.0000	49
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	430004	50.0000	48
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	324762	50.0000	48
	38 2-Butanone	72	3.891	3.900	(0.774)	21439	50.0000	50
	39 Ethyl Acetate	70	3.916	3.916	(0.779)	54546	100.000	96
	40 Bromochloromethane	128	4.089	4.089	(0.813)	175112	50.0000	48
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	68000	50.0000	49
	42 Chloroform	83	4.171	4.171	(0.830)	576755	50.0000	48
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	479184	50.0000	51
	44 Cyclohexane	56	4.253	4.253	(0.846)	444730	50.0000	51
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	406945	50.0000	53
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	432003	50.0000	50
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.723	4.722	(0.939)	386383	50.0000	50
	48 Benzene	78	4.681	4.681	(0.553)	1156750	50.0000	46
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	455574	50.0000	48
	50 t-Amyl-methyl-ether	73	4.788	4.788	(0.953)	821469	50.0000	50
	61 Isopropyl Acetate	43	4.830	4.829	(0.961)	1343984	100.000	110
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1119416	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	322323	50.0000	48
	56 Methyl cyclohexane	83	5.546	5.545	(1.103)	405047	50.0000	51
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	344261	50.0000	52
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	312924	50.0000	48
	58 Dibromomethane	93	5.916	5.916	(1.177)	222221	50.0000	48
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	67767	50.0000	52
	75 Propyl Acetate	43	6.006	6.006	(1.195)	742357	100.000	110
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	432447	50.0000	50
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	179906	50.0000	52
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	302983	1000.00	960
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	507536	50.0000	50
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	265312	50.0000	52
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	1035406	50.0000	50
	66 Toluene	91	7.035	7.035	(0.832)	1201614	50.0000	47
	64 trans-1,3-Dichloropropene	75	7.414	7.414	(0.876)	453772	50.0000	51
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	240371	50.0000	47
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	333774	50.0000	49
	72 1,3-Dichloropropane	76	7.768	7.767	(0.918)	458857	50.0000	48
	73 2-Hexanone	43	7.850	7.850	(0.928)	154463	50.0000	51

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37832.d
Report Date: 09-Aug-2011 11:26

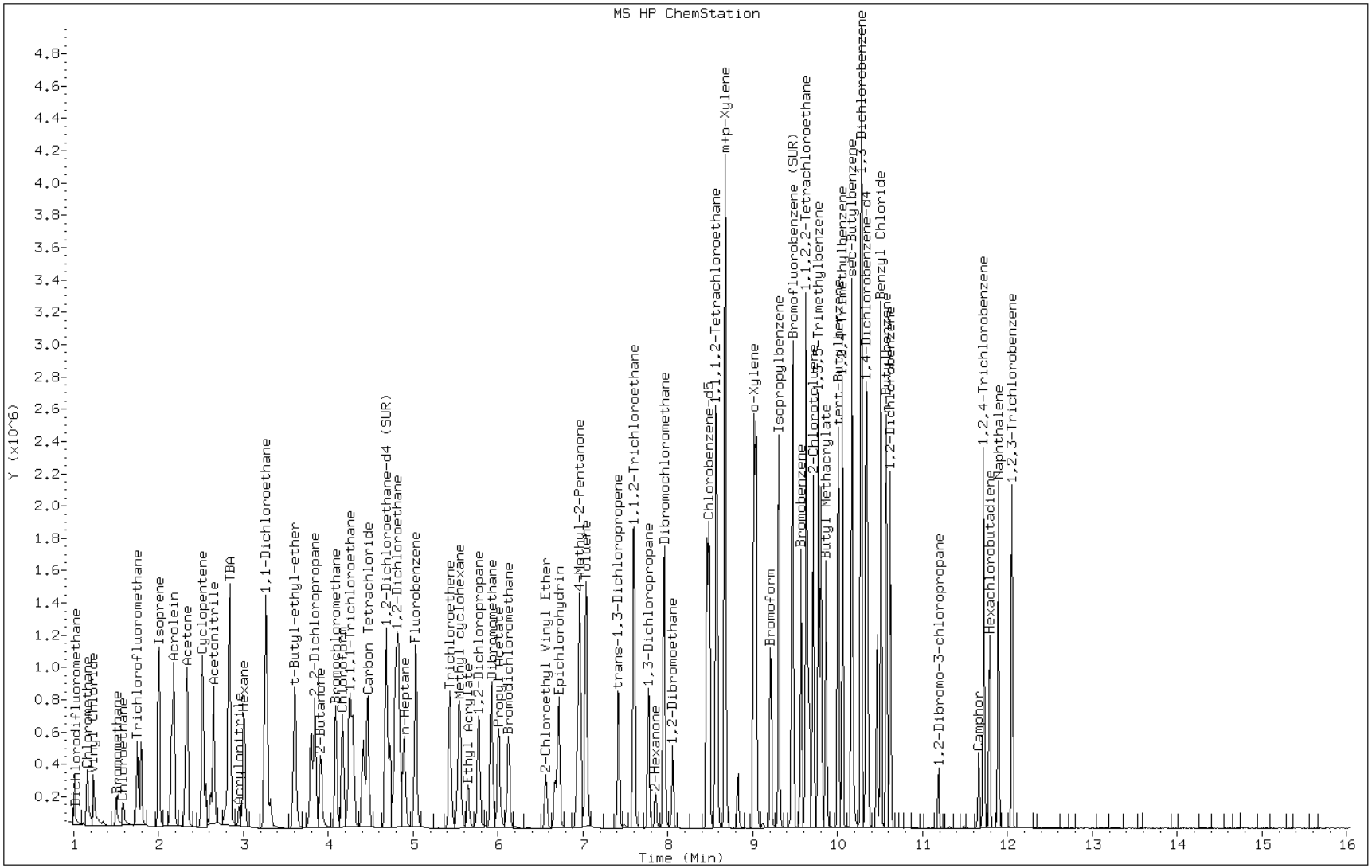
			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	74	Dibromochloromethane	129	7.949	7.949	(0.940)	329951	50.0000	52
	76	Butyl Acetate	73	7.957	7.957	(0.941)	114014	100.000	100
	77	1,2-Dibromoethane	107	8.056	8.056	(0.952)	294353	50.0000	48
*	78	Chlorobenzene-d5	117	8.459	8.459	(1.000)	840443	50.0000	
	79	Chlorobenzene	112	8.484	8.483	(1.003)	817721	50.0000	47
	80	1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	302124	50.0000	50
	81	Ethylbenzene	106	8.566	8.566	(1.013)	394320	50.0000	49
	82	m+p-Xylene	106	8.673	8.673	(1.025)	992282	100.000	99
	84	o-Xylene	106	9.010	9.010	(1.065)	506903	50.0000	49
	85	Styrene	104	9.043	9.043	(1.069)	865860	50.0000	51
	83	Butyl Acrylate	73	9.027	9.027	(1.067)	199311	50.0000	55
	86	Bromoform	173	9.208	9.208	(1.089)	209277	50.0000	53
	87	Amyl Acetate	43	9.216	9.216	(0.892)	289201	50.0000	54
	88	Isopropylbenzene	105	9.307	9.306	(1.100)	1292067	50.0000	51
$	89	Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	378358	50.0000	51
	90	Camphene (total)	41	9.471	9.471	(1.120)	117362	50.0000	46
	91	Bromobenzene	156	9.570	9.570	(0.926)	376792	50.0000	50
	92	1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	387051	50.0000	48
	93	1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	100113	50.0000	45
	95	n-Propylbenzene	91	9.627	9.627	(0.932)	1556418	50.0000	52
	96	2-Chlorotoluene	91	9.710	9.710	(0.939)	974398	50.0000	49
	97	1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	1128723	50.0000	52
	98	4-Chlorotoluene	91	9.809	9.808	(0.949)	1025289	50.0000	50
	99	Butyl Methacrylate	87	9.866	9.866	(0.955)	372845	50.0000	56
	100	tert-Butylbenzene	119	10.006	10.006	(0.968)	962974	50.0000	52
	101	1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	1153620	50.0000	51
	103	sec-Butylbenzene	105	10.171	10.171	(0.984)	1380448	50.0000	50
	105	1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	688727	50.0000	49
	107	p-Isopropyltoluene	119	10.278	10.278	(0.994)	1162507	50.0000	50
*	108	1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	463010	50.0000	
	109	1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	710836	50.0000	48
	110	Benzyl Chloride	91	10.467	10.467	(1.013)	646807	50.0000	54
	106	n-Butylbenzene	91	10.574	10.574	(1.023)	1081529	50.0000	50
	171	Indan	117	10.508	10.508	(2.090)	1228585	50.0000	52
	111	1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	698447	50.0000	49
	112	1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	67390	50.0000	48
	113	Camphor	95	11.660	11.660	(1.128)	87701	250.000	250
	114	1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	513465	50.0000	52
	115	Hexachlorobutadiene	225	11.792	11.792	(1.141)	172142	50.0000	49
	116	Naphthalene	128	11.891	11.891	(1.150)	1160267	50.0000	52
	117	1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	457953	50.0000	51
M	120	1,2-Dichloroethene (Total)	100				620061	100.000	95
M	121	Xylene (Total)	100				1499185	150.000	150

Data File: b37832.d

Date: 08-AUG-2011 23:23

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM2CAL4 Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37833.d
Report Date: 11-Aug-2011 10:51

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37833.d
Lab Smp Id: IC-VM2CAL5
Inj Date : 08-AUG-2011 23:52
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM2CAL5
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 11-Aug-2011 10:51 vibha Quant Type: ISTD
Cal Date : 08-AUG-2011 23:52 Cal File: b37833.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	1035162	200.000	200(A)
3 Chloromethane	50	1.159	1.159	(0.231)	1477272	200.000	210
4 Vinyl Chloride	62	1.233	1.241	(0.245)	1187001	200.000	200
6 Bromomethane	94	1.505	1.505	(0.299)	548683	200.000	230
5 Chloroethane	64	1.579	1.587	(0.314)	598305	200.000	200
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	1536829	200.000	210(A)
8 n-Pentane	72	1.793	1.801	(0.357)	93024	200.000	190
10 Isoprene	67	2.007	2.007	(0.399)	1063820	200.000	200
11 Ethyl Ether	59	1.999	2.007	(0.398)	702615	200.000	190
13 Acrolein	56	2.171	2.171	(0.432)	161131	200.000	210
15 1,1-Dichloroethene	96	2.180	2.188	(0.434)	1030863	200.000	210
14 Freon TF	101	2.155	2.155	(0.429)	827333	200.000	190
16 Acetone	43	2.311	2.311	(0.460)	260458	200.000	200
18 Carbon Disulfide	76	2.336	2.336	(0.465)	3568704	200.000	200
21 Acetonitrile	39	2.616	2.616	(0.520)	263438	4000.00	4300
170 Cyclopentene	67	2.517	2.517	(0.501)	3021527	200.000	200

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	1307190	200.000	190
	22 Methylene Chloride	84	2.649	2.649	(0.527)	1266479	200.000	190
	24 TBA	59	2.780	2.789	(0.553)	628904	4000.00	4200
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	1212243	200.000	190
	26 Acrylonitrile	53	2.945	2.945	(0.586)	182622	100.000	98
	28 MTBE	73	2.830	2.830	(0.563)	3494279	200.000	200
	29 Hexane	56	3.003	3.003	(0.597)	762135	200.000	200
	30 1,1-Dichloroethane	63	3.274	3.274	(0.651)	2302054	200.000	200
	31 Vinyl Acetate	43	3.315	3.323	(0.659)	1128729	200.000	200
	32 DIPE	45	3.258	3.258	(0.648)	3966248	200.000	200
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	3928784	200.000	200
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	1833787	200.000	200
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	1355745	200.000	200
	38 2-Butanone	72	3.891	3.900	(0.774)	104998	200.000	220
	39 Ethyl Acetate	70	3.908	3.916	(0.777)	243477	400.000	410
	40 Bromochloromethane	128	4.089	4.089	(0.813)	721145	200.000	200
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	315983	200.000	210
	42 Chloroform	83	4.171	4.171	(0.830)	2364951	200.000	190
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	2039291	200.000	210
	44 Cyclohexane	56	4.254	4.253	(0.846)	1875217	200.000	200
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	1791585	200.000	220
	46 1,1-Dichloropropene	75	4.468	4.467	(0.889)	1832421	200.000	200
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.723	4.723	(0.939)	385936	50.0000	49
	48 Benzene	78	4.681	4.681	(0.553)	4810628	200.000	190
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	1853086	200.000	190
	50 t-Amyl-methyl-ether	73	4.788	4.797	(0.953)	3493885	200.000	200
	61 Isopropyl Acetate	43	4.830	4.830	(0.961)	5874079	400.000	440
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1155824	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	1382260	200.000	200
	56 Methyl cyclohexane	83	5.546	5.545	(1.103)	1766235	200.000	210
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	1637785	200.000	220
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	1351174	200.000	200
	58 Dibromomethane	93	5.916	5.916	(1.177)	926389	200.000	200
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	310375	200.000	220
	75 Propyl Acetate	43	6.006	6.006	(1.195)	3505350	400.000	450
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	1880060	200.000	210
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	839779	200.000	220
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	1598884	4000.00	4500
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	2217470	200.000	200
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	1218049	200.000	210
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	1089926	50.0000	49
	66 Toluene	91	7.035	7.035	(0.832)	5142540	200.000	190
	64 trans-1,3-Dichloropropene	75	7.414	7.422	(0.876)	2085589	200.000	210
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	1034933	200.000	200
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	1415771	200.000	200
	72 1,3-Dichloropropane	76	7.768	7.768	(0.918)	1992787	200.000	200
	73 2-Hexanone	43	7.850	7.858	(0.928)	766153	200.000	230

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							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	74 Dibromochloromethane	129	7.949	7.949	(0.940)	1482190	200.000	210
	76 Butyl Acetate	73	7.957	7.957	(0.941)	534101	400.000	430
	77 1,2-Dibromoethane	107	8.056	8.056	(0.952)	1303866	200.000	200
*	78 Chlorobenzene-d5	117	8.459	8.459	(1.000)	897920	50.0000	
	79 Chlorobenzene	112	8.484	8.483	(1.003)	3481137	200.000	190
	80 1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	1291149	200.000	200
	81 Ethylbenzene	106	8.566	8.566	(1.013)	1740341	200.000	200
	82 m+p-Xylene	106	8.673	8.673	(1.025)	4155520	400.000	400
	84 o-Xylene	106	9.010	9.010	(1.065)	2113295	200.000	200
	85 Styrene	104	9.043	9.043	(1.069)	3676489	200.000	200
	83 Butyl Acrylate	73	9.027	9.027	(1.067)	897922	200.000	220
	86 Bromoform	173	9.208	9.208	(1.089)	995663	200.000	220
	87 Amyl Acetate	43	9.208	9.216	(0.891)	1320312	200.000	220
	88 Isopropylbenzene	105	9.307	9.306	(1.100)	5408541	200.000	200
$	89 Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	398248	50.0000	51
	90 Camphene (total)	41	9.471	9.471	(1.120)	483446	200.000	190
	91 Bromobenzene	156	9.570	9.570	(0.926)	1592447	200.000	200
	92 1,1,2,2-Tetrachloroethane	83	9.628	9.627	(0.932)	1580840	200.000	190
	93 1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	420721	200.000	190
	95 n-Propylbenzene	91	9.628	9.627	(0.932)	6524945	200.000	210
	96 2-Chlorotoluene	91	9.710	9.710	(0.939)	4180409	200.000	200
	97 1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	4694419	200.000	210
	98 4-Chlorotoluene	91	9.809	9.808	(0.949)	4410513	200.000	200
	99 Butyl Methacrylate	87	9.866	9.866	(0.955)	1667785	200.000	220
	100 tert-Butylbenzene	119	10.006	10.006	(0.968)	3989045	200.000	210
	101 1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	4754073	200.000	200
	103 sec-Butylbenzene	105	10.171	10.171	(0.984)	5646231	200.000	220
	105 1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	2747231	200.000	200
	107 p-Isopropyltoluene	119	10.278	10.278	(0.994)	4750012	200.000	220
*	108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	480878	50.0000	
	109 1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	2934588	200.000	200
	110 Benzyl Chloride	91	10.467	10.467	(1.013)	2913869	200.000	220
	106 n-Butylbenzene	91	10.574	10.574	(1.023)	4470127	200.000	210
	171 Indan	117	10.508	10.508	(2.090)	4749872	200.000	200
	111 1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	2840750	200.000	200
	112 1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	312424	200.000	210
	113 Camphor	95	11.660	11.660	(1.128)	470562	1000.00	920
	114 1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	2107114	200.000	200
	115 Hexachlorobutadiene	225	11.792	11.792	(1.141)	748710	200.000	220
	116 Naphthalene	128	11.891	11.891	(1.150)	4950362	200.000	210
	117 1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	1892847	200.000	200
M	120 1,2-Dichloroethene (Total)	100				2567988	400.000	390
M	121 Xylene (Total)	100				6268815	600.000	590

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Report Date: 11-Aug-2011 10:51

QC Flag Legend

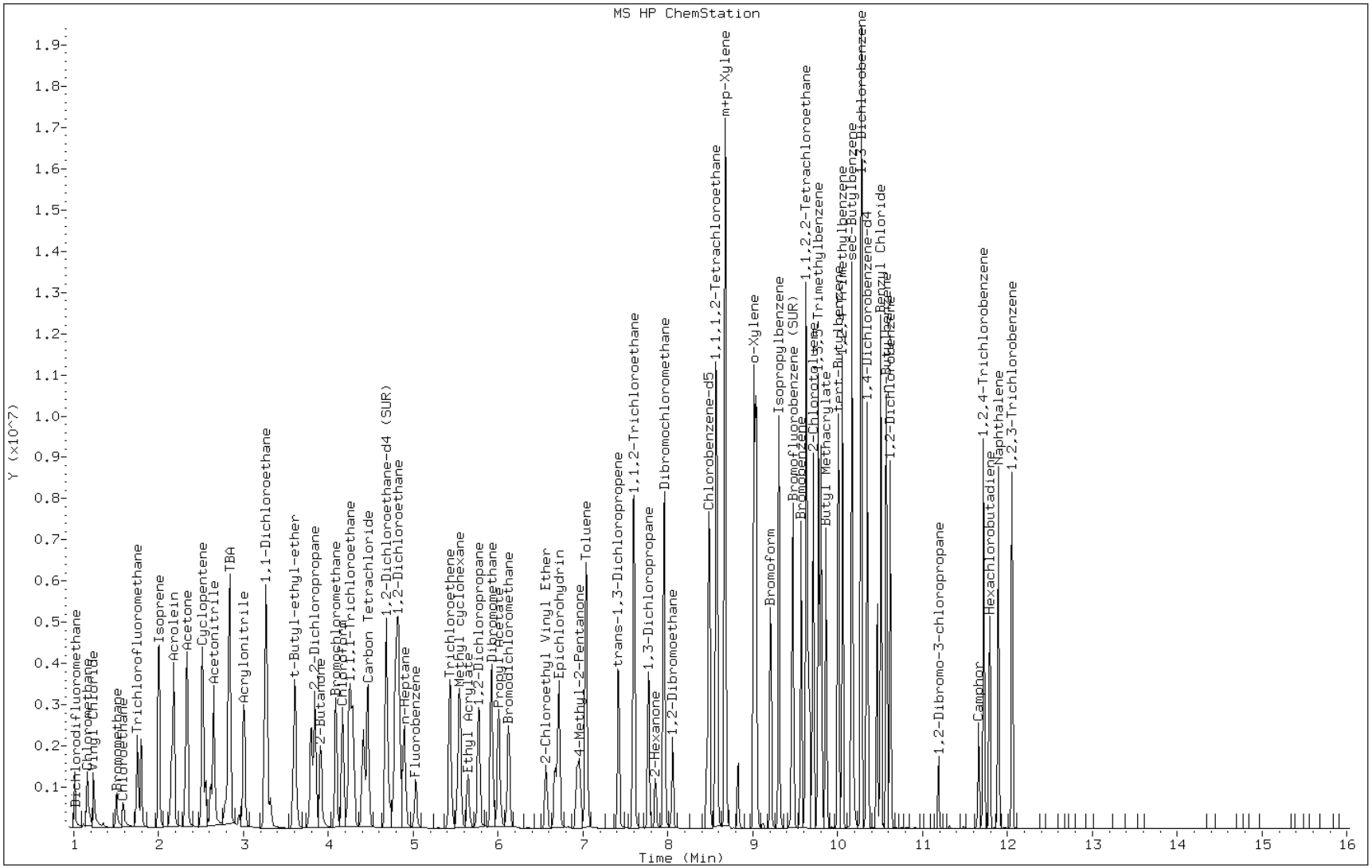
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b37833.d

Date: 08-AUG-2011 23:52

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM2CAL5 Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37834.d
Report Date: 11-Aug-2011 10:52

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37834.d
Lab Smp Id: IC-VM2CAL6
Inj Date : 09-AUG-2011 00:21
Operator : Inst ID: VOAMS2.i
Smp Info : IC-VM2CAL6
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/8260_09.m
Meth Date : 11-Aug-2011 10:51 vibha Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	2584527	500.000	500(A)
3 Chloromethane	50	1.159	1.159	(0.231)	3527336	500.000	500
4 Vinyl Chloride	62	1.233	1.241	(0.245)	2908040	500.000	480
6 Bromomethane	94	1.505	1.505	(0.299)	1416116	500.000	580(A)
5 Chloroethane	64	1.579	1.587	(0.314)	1422500	500.000	470
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	3609526	500.000	480(A)
8 n-Pentane	72	1.793	1.801	(0.357)	223235	500.000	460(A)
10 Isoprene	67	2.007	2.007	(0.399)	2559346	500.000	470
11 Ethyl Ether	59	2.007	2.007	(0.399)	1665506	500.000	450
13 Acrolein	56	2.171	2.171	(0.432)	303048	400.000	380
15 1,1-Dichloroethene	96	2.180	2.188	(0.434)	2478601	500.000	500
14 Freon TF	101	2.155	2.155	(0.429)	1938829	500.000	440
16 Acetone	43	2.311	2.311	(0.460)	607406	500.000	470
18 Carbon Disulfide	76	2.336	2.336	(0.465)	8894649	500.000	500
21 Acetonitrile	39	2.616	2.616	(0.520)	619640	10000.0	10000(A)
170 Cyclopentene	67	2.517	2.517	(0.501)	7440124	500.000	500

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	3139751	500.000	460
	22 Methylene Chloride	84	2.649	2.649	(0.527)	3097177	500.000	450
	24 TBA	59	2.789	2.789	(0.555)	1437934	10000.0	9500
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	2893684	500.000	460
	26 Acrylonitrile	53	2.953	2.945	(0.587)	355940	200.000	190
	28 MTBE	73	2.830	2.830	(0.563)	8613701	500.000	480
	29 Hexane	56	3.003	3.003	(0.597)	1891770	500.000	500
	30 1,1-Dichloroethane	63	3.274	3.274	(0.651)	5578065	500.000	470
	31 Vinyl Acetate	43	3.324	3.323	(0.661)	2819014	500.000	490(A)
	32 DIPE	45	3.258	3.258	(0.648)	9783600	500.000	480
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	9912818	500.000	500(A)
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	4516595	500.000	490
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	3324166	500.000	470
	38 2-Butanone	72	3.891	3.900	(0.774)	254907	500.000	540(A)
	39 Ethyl Acetate	70	3.916	3.916	(0.779)	598421	1000.00	1000
	40 Bromochloromethane	128	4.089	4.089	(0.813)	1762622	500.000	470
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	753791	500.000	500
	42 Chloroform	83	4.171	4.171	(0.830)	5825954	500.000	470
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	5054674	500.000	500(A)
	44 Cyclohexane	56	4.254	4.253	(0.846)	4678964	500.000	500(A)
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	4467067	500.000	530(A)
	46 1,1-Dichloropropene	75	4.468	4.467	(0.889)	4512709	500.000	500
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.731	4.723	(0.941)	386232	50.0000	48
	48 Benzene	78	4.681	4.681	(0.553)	11781423	500.000	460
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	4458180	500.000	460
	50 t-Amyl-methyl-ether	73	4.797	4.797	(0.954)	8692048	500.000	500(A)
	61 Isopropyl Acetate	43	4.830	4.830	(0.961)	14616031	1000.00	1100(A)
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1172381	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	3398348	500.000	490
	56 Methyl cyclohexane	83	5.546	5.545	(1.103)	4361875	500.000	510(A)
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	4258808	500.000	580(A)
	57 1,2-Dichloropropane	63	5.776	5.768	(1.149)	3393176	500.000	500
	58 Dibromomethane	93	5.924	5.916	(1.178)	2235725	500.000	470
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	789388	500.000	550(A)
	75 Propyl Acetate	43	6.006	6.006	(1.195)	9066903	1000.00	1200(A)
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	4747903	500.000	520(A)
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	2120977	500.000	560(A)
	63 Epichlorohydrin	57	6.673	6.673	(0.788)	3876019	10000.0	11000(A)
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.793)	5529837	500.000	500(A)
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.818)	3193709	500.000	550(A)
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.822)	1115467	50.0000	50
	66 Toluene	91	7.043	7.035	(0.832)	12347840	500.000	460
	64 trans-1,3-Dichloropropene	75	7.422	7.422	(0.877)	5220417	500.000	530(A)
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.898)	2486495	500.000	460
	71 Tetrachloroethene	166	7.603	7.595	(0.898)	3243488	500.000	460
	72 1,3-Dichloropropane	76	7.776	7.768	(0.918)	4948312	500.000	480
	73 2-Hexanone	43	7.850	7.858	(0.927)	2062107	500.000	620(A)

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Report Date: 11-Aug-2011 10:52

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
	74 Dibromochloromethane	129	7.949	7.949	(0.939)	3591343	500.000	510(A)
	76 Butyl Acetate	73	7.957	7.957	(0.940)	1376233	1000.00	1100(A)
	77 1,2-Dibromoethane	107	8.056	8.056	(0.951)	3180417	500.000	490
*	78 Chlorobenzene-d5	117	8.467	8.459	(1.000)	906176	50.0000	
	79 Chlorobenzene	112	8.492	8.483	(1.003)	8259480	500.000	460
	80 1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.014)	3041329	500.000	470
	81 Ethylbenzene	106	8.566	8.566	(1.012)	4100218	500.000	480
	82 m+p-Xylene	106	8.681	8.673	(1.025)	9311695	1000.00	890
	84 o-Xylene	106	9.019	9.010	(1.065)	4935304	500.000	450
	85 Styrene	104	9.043	9.043	(1.068)	8514008	500.000	470
	83 Butyl Acrylate	73	9.027	9.027	(1.066)	2277745	500.000	550(A)
	86 Bromoform	173	9.208	9.208	(1.087)	2424634	500.000	540(A)
	87 Amyl Acetate	43	9.216	9.216	(0.892)	3591255	500.000	600(A)
	88 Isopropylbenzene	105	9.307	9.306	(1.099)	12337828	500.000	460
$	89 Bromofluorobenzene (SUR)	174	9.471	9.471	(0.916)	388962	50.0000	50
	90 Camphene (total)	41	9.471	9.471	(1.119)	1172348	500.000	450
	91 Bromobenzene	156	9.570	9.570	(0.926)	3781298	500.000	480
	92 1,1,2,2-Tetrachloroethane	83	9.628	9.627	(0.932)	3729759	500.000	460
	93 1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	1011504	500.000	450
	95 n-Propylbenzene	91	9.628	9.627	(0.932)	13472789	500.000	430
	96 2-Chlorotoluene	91	9.718	9.710	(0.940)	9887103	500.000	480
	97 1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	10882909	500.000	480
	98 4-Chlorotoluene	91	9.809	9.808	(0.949)	10518041	500.000	490
	99 Butyl Methacrylate	87	9.866	9.866	(0.955)	4259806	500.000	570(A)
	100 tert-Butylbenzene	119	10.006	10.006	(0.968)	9277467	500.000	480
	101 1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	11139684	500.000	480
	103 sec-Butylbenzene	105	10.171	10.171	(0.984)	12419147	500.000	490
	105 1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	6023890	500.000	430
	107 p-Isopropyltoluene	119	10.286	10.278	(0.995)	10367962	500.000	490
*	108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	483544	50.0000	
	109 1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	6854742	500.000	460
	110 Benzyl Chloride	91	10.467	10.467	(1.013)	7298439	500.000	560(A)
	106 n-Butylbenzene	91	10.574	10.574	(1.023)	10407466	500.000	490
	171 Indan	117	10.508	10.508	(2.090)	10885104	500.000	450
	111 1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	6688212	500.000	460
	112 1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	777892	500.000	520(A)
	113 Camphor	95	11.660	11.660	(1.128)	1299472	2500.00	2500(A)
	114 1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	4825483	500.000	470
	115 Hexachlorobutadiene	225	11.792	11.792	(1.141)	1708113	500.000	490
	116 Naphthalene	128	11.891	11.891	(1.150)	10929123	500.000	470
	117 1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	4324908	500.000	470
M	120 1,2-Dichloroethene (Total)	100				6217850	1000.00	930
M	121 Xylene (Total)	100				14246999	1500.00	1300

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37834.d
Report Date: 11-Aug-2011 10:52

QC Flag Legend

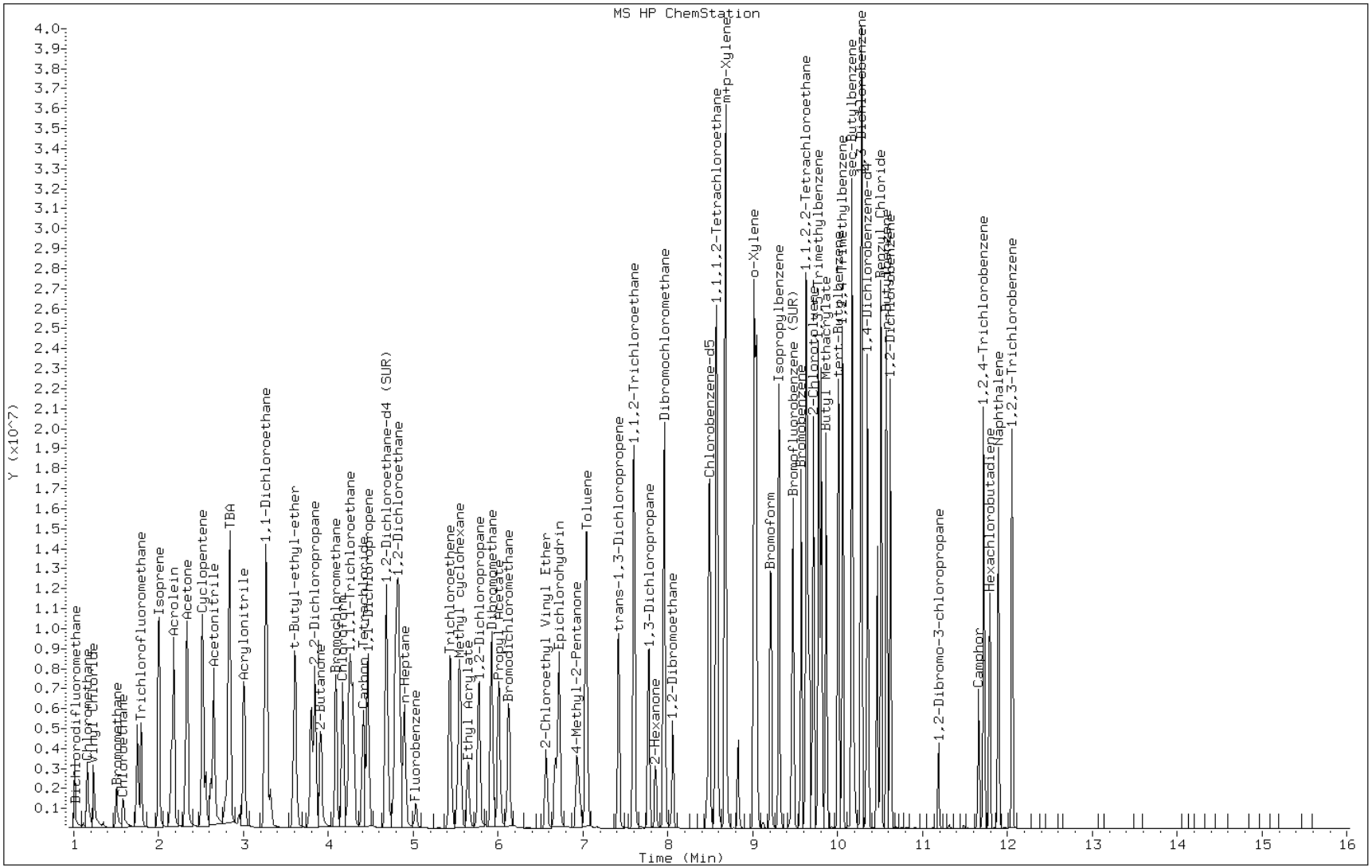
A - Target compound detected but, quantitated amount
    exceeded maximum amount.

Data File: b37834.d

Date: 09-AUG-2011 00:21

Client ID: Instrument: VOAMS2.i

Sample Info: IC-VM2CAL6 Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-82910/2 Calibration Date: 08/12/2011 09:23

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37890.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	LinF	0.2105	0.2499		22.6	20.0	13.1	50.0
Chloromethane	LinF	0.3897	0.3061	0.1000	20.1	20.0	0.7	50.0
Vinyl chloride	Ave	0.2555	0.2682		21.0	20.0	4.9	20.0
Bromomethane	Ave	0.1036	0.0875		16.9	20.0	-15.5	50.0
Chloroethane	Ave	0.1301	0.1421		21.8	20.0	9.2	50.0
Trichlorofluoromethane	Ave	0.3176	0.4025		25.3	20.0	26.7	50.0
n-Pentane	Ave	0.0207	0.0219		21.1	20.0	5.7	50.0
Ethyl ether	Ave	0.1591	0.1582		19.9	20.0	-0.6	50.0
Isopropene	Ave	0.2308	0.2520		21.8	20.0	9.2	50.0
Freon TF	Ave	0.1877	0.2363		25.2	20.0	25.9	50.0
Acrolein	Ave	0.0337	0.0305		36.1	40.0	-9.6	99.0
1,1-Dichloroethene	LinF	0.2131	0.2121		19.9	20.0	-0.5	20.0
Acetone	Ave	0.0547	0.0436		15.9	20.0	-20.4	50.0
Carbon disulfide	Ave	0.7605	0.7324		19.3	20.0	-3.7	50.0
Methyl acetate	Ave	0.2914	0.2342		16.1	20.0	-19.6	50.0
Acetonitrile	Ave	0.0026	0.0019		281	400	-29.7	50.0
Methylene Chloride	Ave	0.2929	0.2642		18.0	20.0	-9.8	50.0
TBA	Ave	0.0065	0.0045		277	400	-30.8	50.0
MTBE	Ave	0.7590	0.6905		18.2	20.0	-9.0	50.0
trans-1,2-Dichloroethene	Ave	0.2697	0.2568		19.0	20.0	-4.8	50.0
Acrylonitrile	Ave	0.0802	0.0670		16.7	20.0	-16.5	50.0
Hexane	Ave	0.1625	0.1643		20.2	20.0	1.1	50.0
DIPE	Ave	0.8783	0.8218		18.7	20.0	-6.4	50.0
1,1-Dichloroethane	Ave	0.5097	0.4753	0.1000	18.7	20.0	-6.7	50.0
Vinyl acetate	Ave	0.2469	0.2163		17.5	20.0	-12.4	50.0
Tert-butyl ethyl ether	Ave	0.8436	0.7777	0.0100	18.4	20.0	-7.8	50.0
2,2-Dichloropropane	Ave	0.3957	0.3715		18.8	20.0	-6.1	50.0
cis-1,2-Dichloroethene	Ave	0.2988	0.2729		18.3	20.0	-8.7	50.0
2-Butanone	Ave	0.0201	0.0151		15.0	20.0	-25.1	50.0
Ethyl acetate	Ave	0.0256	0.0179		28.0	40.0	-30.0	50.0
Bromochloromethane	Ave	0.1592	0.1490		18.7	20.0	-6.4	50.0
Tetrahydrofuran	LinF	0.0740	0.0461		14.2	20.0	-29.0	50.0
Chloroform	Ave	0.5269	0.4967		18.9	20.0	-5.7	20.0
Cyclohexane	Ave	0.3955	0.3994		20.2	20.0	1.0	50.0
1,1,1-Trichloroethane	Ave	0.4272	0.4077		19.1	20.0	-4.6	50.0
Carbon tetrachloride	Ave	0.3583	0.3546		19.8	20.0	-1.0	50.0
1,1-Dichloropropene	Ave	0.3859	0.3599		18.7	20.0	-6.7	50.0
Benzene	Ave	1.428	1.401		19.6	20.0	-1.9	50.0
Tert-amyl methyl ether	Ave	0.7378	0.6689		18.1	20.0	-9.3	50.0
1,2-Dichloroethane	Ave	0.4151	0.3794		18.3	20.0	-8.6	50.0
Isopropyl acetate	Ave	0.5807	0.4685		32.3	40.0	-19.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-82910/2 Calibration Date: 08/12/2011 09:23

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37890.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Trichloroethene	Ave	0.2973	0.2695		18.1	20.0	-9.3	50.0
Methylcyclohexane	Ave	0.3619	0.3717		20.5	20.0	2.7	50.0
Ethyl acrylate	Ave	0.3157	0.1924		12.2	20.0	-39.1	50.0
1,2-Dichloropropane	Ave	0.2916	0.2482		17.0	20.0	-14.9	20.0
Dibromomethane	Ave	0.2021	0.1789		17.7	20.0	-11.5	50.0
Methyl methacrylate	Ave	0.0614	0.0415		13.5	20.0	-32.5	50.0
Propyl acetate	Ave	0.3359	0.2107		25.1	40.0	-37.3	50.0
Bromodichloromethane	Ave	0.3927	0.3475		17.7	20.0	-11.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1628	0.1021		12.5	20.0	-37.3	50.0
Epichlorohydrin	Ave	0.0198	0.0125		251	400	-37.2	50.0
cis-1,3-Dichloropropene	Ave	0.6034	0.5261		17.4	20.0	-12.8	50.0
Methyl isobutyl ketone (MIBK)	Ave	0.3187	0.2503		15.7	20.0	-21.5	50.0
Toluene	Ave	1.476	1.330		18.0	20.0	-9.9	20.0
trans-1,3-Dichloropropene	Ave	0.5473	0.4241		15.5	20.0	-22.5	50.0
1,1,2-Trichloroethane	Ave	0.2953	0.2398		16.2	20.0	-18.8	50.0
Tetrachloroethene	Ave	0.3929	0.3860		19.7	20.0	-1.7	50.0
1,3-Dichloropropane	Ave	0.5643	0.4448		15.8	20.0	-21.2	50.0
2-Hexanone	LinF	0.1738	0.1176		11.1	20.0	-44.3	50.0
Dibromochloromethane	Ave	0.3882	0.3328		17.1	20.0	-14.3	50.0
Butyl acetate	Ave	0.0685	0.0515		30.1	40.0	-24.8	50.0
1,2-Dibromoethane	Ave	0.3606	0.2998		16.6	20.0	-16.9	50.0
Chlorobenzene	Ave	0.996	0.9158	0.3000	18.4	20.0	-8.1	50.0
Ethylbenzene	Ave	0.4752	0.4477		18.8	20.0	-5.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3558	0.3577		20.1	20.0	0.5	50.0
m&p-Xylene	Ave	0.5795	0.5643		38.9	40.0	-2.6	50.0
o-Xylene	Ave	0.6013	0.5739		19.1	20.0	-4.6	50.0
Butyl acrylate	Ave	0.2269	0.2103		18.5	20.0	-7.3	50.0
Styrene	Ave	0.996	0.9654		19.4	20.0	-3.1	50.0
Bromoform	Ave	0.2461	0.2157	0.1000	17.5	20.0	-12.3	50.0
Amly acetate	Ave	0.6226	0.4627		14.9	20.0	-25.7	50.0
Isopropylbenzene	Ave	1.474	1.479		20.1	20.0	0.4	50.0
Camphene, Total	Ave	0.1440	0.1525		21.2	20.0	5.9	50.0
Monobromobenzene	Ave	0.8148	0.7180		17.6	20.0	-11.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8440	0.6640	0.3000	15.7	20.0	-21.3	50.0
N-Propylbenzene	Ave	3.205	2.954		18.4	20.0	-7.8	50.0
1,2,3-Trichloropropane	Ave	0.2327	0.1710		14.7	20.0	-26.5	50.0
2-Chlorotoluene	Ave	2.125	1.851		17.4	20.0	-12.9	50.0
1,3,5-Trimethylbenzene	Ave	2.350	2.113		18.0	20.0	-10.1	50.0
4-Chlorotoluene	Ave	2.234	1.958		17.5	20.0	-12.4	50.0
Butyl Methacrylate	Ave	0.7695	0.6825		17.7	20.0	-11.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-82910/2 Calibration Date: 08/12/2011 09:23

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37890.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
tert-Butylbenzene	Ave	1.985	1.769		17.8	20.0	-10.9	50.0
1,2,4-Trimethylbenzene	Ave	2.423	2.225		18.4	20.0	-8.2	50.0
sec-Butylbenzene	LinF	2.776	2.628		20.0	20.0	-0.0	50.0
1,3-Dichlorobenzene	Ave	1.459	1.388		19.0	20.0	-4.9	50.0
p-Isopropyltoluene	LinF	2.342	2.214		20.1	20.0	0.7	50.0
1,4-Dichlorobenzene	Ave	1.556	1.437		18.5	20.0	-7.6	50.0
Benzyl chloride	Ave	1.357	1.166		17.2	20.0	-14.1	50.0
n-Butylbenzene	LinF	2.208	2.111		19.4	20.0	-3.1	50.0
1,2-Dichlorobenzene	Ave	1.502	1.385		18.4	20.0	-7.8	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1542	0.1055		13.7	20.0	-31.6	50.0
Camphor	LinF	0.0428	0.0220		41.5	100	-58.5*	50.0
1,2,4-Trichlorobenzene	Ave	1.066	0.9711		18.2	20.0	-8.9	50.0
Hexachlorobutadiene	LinF	0.3549	0.3483		19.4	20.0	-2.9	50.0
Naphthalene	Ave	2.407	1.893		15.7	20.0	-21.4	50.0
1,2,3-Trichlorobenzene	Ave	0.9584	0.8225		17.2	20.0	-14.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3426	0.3429		50.1	50.0	0.1	50.0
Toluene-d8 (Surr)	Ave	1.229	1.232		50.1	50.0	0.2	50.0
Bromofluorobenzene	Ave	0.8054	0.7642		47.4	50.0	-5.1	50.0

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37890.d
Report Date: 12-Aug-2011 09:40

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37890.d
Lab Smp Id: CCVIS
Inj Date : 12-AUG-2011 09:23
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
2	Dichlorodifluoromethane	85	1.011	1.011	(0.201)	101674	20.0000	23
3	Chloromethane	50	1.151	1.151	(0.229)	124522	20.0000	20
4	Vinyl Chloride	62	1.233	1.233	(0.246)	109107	20.0000	21
6	Bromomethane	94	1.497	1.497	(0.298)	35605	20.0000	17
5	Chloroethane	64	1.579	1.579	(0.315)	57829	20.0000	22
7	Trichlorofluoromethane	101	1.743	1.743	(0.347)	163774	20.0000	25
8	n-Pentane	72	1.793	1.793	(0.357)	8908	20.0000	21
10	Isoprene	67	1.999	1.999	(0.398)	102541	20.0000	22
11	Ethyl Ether	59	1.999	1.999	(0.398)	64344	20.0000	20
13	Acrolein	56	2.163	2.163	(0.431)	24800	40.0000	36
15	1,1-Dichloroethene	96	2.171	2.171	(0.433)	86309	20.0000	20
14	Freon TF	101	2.147	2.147	(0.428)	96128	20.0000	25
16	Acetone	43	2.303	2.303	(0.459)	17735	20.0000	16
18	Carbon Disulfide	76	2.328	2.328	(0.464)	297991	20.0000	19
21	Acetonitrile	39	2.599	2.599	(0.518)	15079	400.000	280
170	Cyclopentene	67	2.509	2.509	(0.500)	256469	20.0000	20

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37890.d
Report Date: 12-Aug-2011 09:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.550	2.550	(0.508)	95285	20.0000	16
	22 Methylene Chloride	84	2.640	2.640	(0.526)	107498	20.0000	18
	24 TBA	59	2.764	2.764	(0.551)	36358	400.000	280
	25 trans-1,2-Dichloroethene	96	2.830	2.830	(0.564)	104476	20.0000	19
	26 Acrylonitrile	53	2.937	2.937	(0.585)	27258	20.0000	17
	28 MTBE	73	2.821	2.821	(0.562)	280910	20.0000	18
	29 Hexane	56	2.994	2.994	(0.597)	66850	20.0000	20
	30 1,1-Dichloroethane	63	3.258	3.258	(0.649)	193383	20.0000	19
	31 Vinyl Acetate	43	3.307	3.307	(0.659)	87989	20.0000	18
	32 DIPE	45	3.249	3.249	(0.647)	334366	20.0000	19
	35 t-Butyl-ethyl-ether	59	3.595	3.595	(0.716)	316392	20.0000	18
	37 2,2-Dichloropropane	77	3.784	3.784	(0.754)	151145	20.0000	19
	36 cis-1,2-Dichloroethene	96	3.834	3.834	(0.764)	111022	20.0000	18
	38 2-Butanone	72	3.883	3.883	(0.774)	6135	20.0000	15
	39 Ethyl Acetate	70	3.900	3.900	(0.777)	14597	40.0000	28
	40 Bromochloromethane	128	4.081	4.081	(0.813)	60631	20.0000	19
	41 Tetrahydrofuran	42	4.081	4.081	(0.813)	18739	20.0000	14
	42 Chloroform	83	4.155	4.155	(0.828)	202074	20.0000	19
	43 1,1,1-Trichloroethane	97	4.278	4.278	(0.852)	165882	20.0000	19
	44 Cyclohexane	56	4.237	4.237	(0.844)	162478	20.0000	20
	45 Carbon Tetrachloride	117	4.402	4.402	(0.877)	144265	20.0000	20
	46 1,1-Dichloropropene	75	4.451	4.451	(0.887)	146424	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	348860	50.0000	50
	48 Benzene	78	4.673	4.673	(0.553)	390104	20.0000	20
	49 1,2-Dichloroethane	62	4.797	4.797	(0.956)	154338	20.0000	18
	50 t-Amyl-methyl-ether	73	4.780	4.780	(0.952)	272156	20.0000	18
	61 Isopropyl Acetate	43	4.821	4.821	(0.961)	381201	40.0000	32
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	1017131	50.0000	
	54 Trichloroethene	95	5.422	5.422	(1.080)	109663	20.0000	18
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	151205	20.0000	20
	55 Ethyl Acrylate	55	5.636	5.636	(1.123)	78264	20.0000	12
	57 1,2-Dichloropropane	63	5.760	5.760	(1.148)	100988	20.0000	17
	58 Dibromomethane	93	5.908	5.908	(1.177)	72765	20.0000	18
	59 Methyl Methacrylate	100	5.916	5.916	(1.179)	16865	20.0000	14
	75 Propyl Acetate	43	5.998	5.998	(1.195)	171415	40.0000	25
	68 Bromodichloromethane	83	6.105	6.105	(1.216)	141359	20.0000	18
	62 2-Chloroethyl Vinyl Ether	63	6.550	6.550	(1.305)	41523	20.0000	12
	63 Epichlorohydrin	57	6.657	6.657	(0.788)	69297	400.000	250
	67 cis-1,3-Dichloropropene	75	6.698	6.698	(0.793)	146454	20.0000	17
	70 4-Methyl-2-Pentanone	43	6.920	6.920	(0.819)	69669	20.0000	16
$	65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	857502	50.0000	50
	66 Toluene	91	7.027	7.027	(0.832)	370267	20.0000	18
	64 trans-1,3-Dichloropropene	75	7.405	7.405	(0.876)	118059	20.0000	15
	69 1,1,2-Trichloroethane	83	7.586	7.586	(0.898)	66759	20.0000	16
	71 Tetrachloroethene	166	7.586	7.586	(0.898)	107465	20.0000	20
	72 1,3-Dichloropropane	76	7.759	7.759	(0.918)	123828	20.0000	16
	73 2-Hexanone	43	7.842	7.842	(0.928)	32746	20.0000	11

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37890.d
Report Date: 12-Aug-2011 09:40

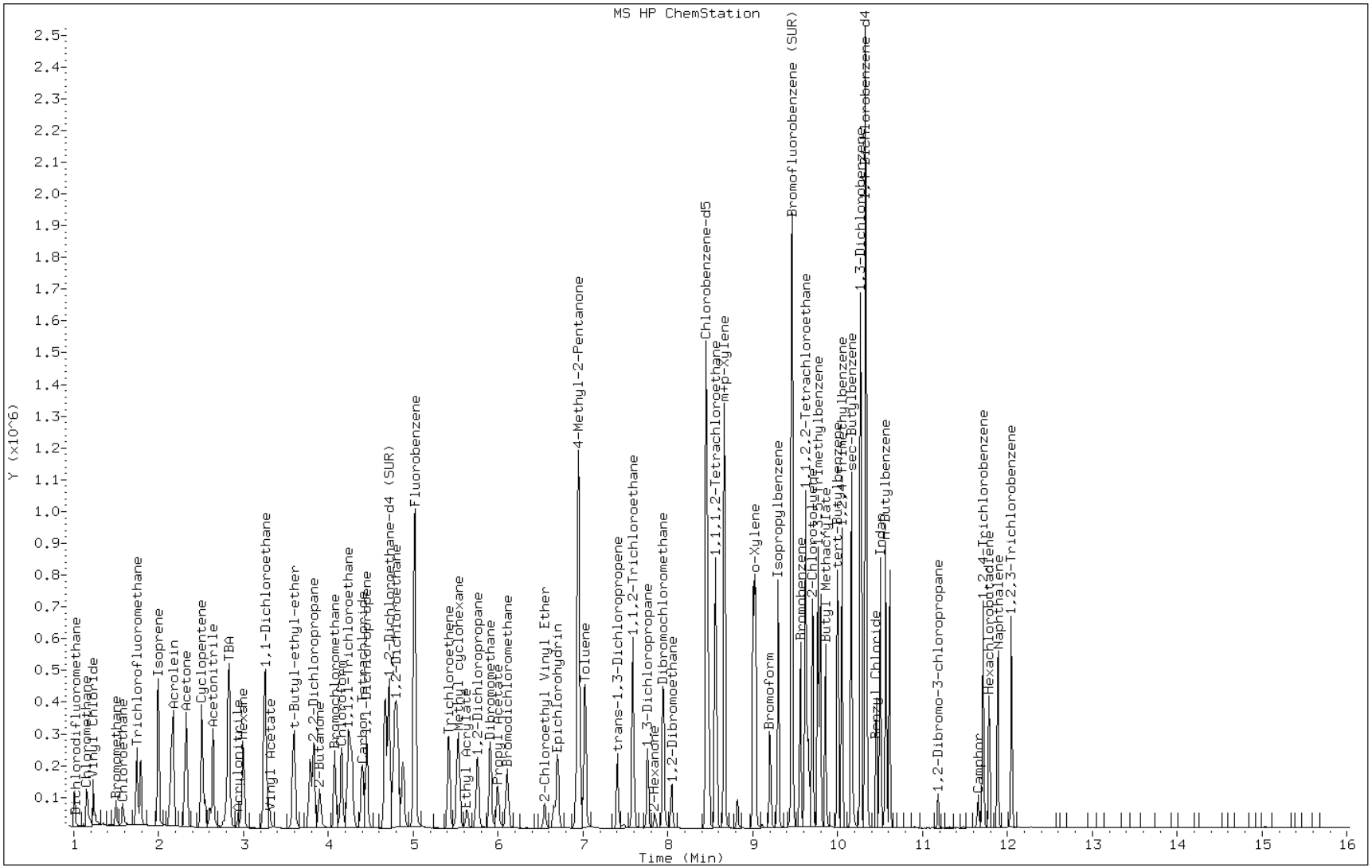
			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	74	Dibromochloromethane	129	7.940	7.940	(0.940)	92656	20.0000	17
	76	Butyl Acetate	73	7.949	7.949	(0.941)	28678	40.0000	30
	77	1,2-Dibromoethane	107	8.047	8.047	(0.952)	83457	20.0000	17
*	78	Chlorobenzene-d5	117	8.451	8.451	(1.000)	696004	50.0000	
	79	Chlorobenzene	112	8.475	8.475	(1.003)	254945	20.0000	18
	80	1,1,1,2-Tetrachloroethane	131	8.574	8.574	(1.015)	99583	20.0000	20
	81	Ethylbenzene	106	8.558	8.558	(1.013)	124649	20.0000	19
	82	m+p-Xylene	106	8.665	8.665	(1.025)	314199	40.0000	39
	84	o-Xylene	106	9.002	9.002	(1.065)	159764	20.0000	19
	85	Styrene	104	9.035	9.035	(1.069)	268771	20.0000	19
	83	Butyl Acrylate	73	9.018	9.018	(1.067)	58550	20.0000	18
	86	Bromoform	173	9.200	9.200	(1.089)	60057	20.0000	18
	87	Amyl Acetate	43	9.208	9.208	(0.892)	81266	20.0000	15
	88	Isopropylbenzene	105	9.298	9.298	(1.100)	411686	20.0000	20
$	89	Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	335525	50.0000	47
	90	Camphene (total)	41	9.463	9.463	(1.120)	42449	20.0000	21
	91	Bromobenzene	156	9.562	9.562	(0.926)	126090	20.0000	18
	92	1,1,2,2-Tetrachloroethane	83	9.619	9.619	(0.931)	116601	20.0000	16
	93	1,2,3-Trichloropropane	110	9.652	9.652	(0.935)	30030	20.0000	15
	95	n-Propylbenzene	91	9.627	9.627	(0.932)	518810	20.0000	18
	96	2-Chlorotoluene	91	9.702	9.702	(0.939)	325148	20.0000	17
	97	1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	371088	20.0000	18
	98	4-Chlorotoluene	91	9.800	9.800	(0.949)	343886	20.0000	18
	99	Butyl Methacrylate	87	9.858	9.858	(0.955)	119865	20.0000	18
	100	tert-Butylbenzene	119	9.998	9.998	(0.968)	310647	20.0000	18
	101	1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	390668	20.0000	18
	103	sec-Butylbenzene	105	10.162	10.162	(0.984)	461556	20.0000	20
	105	1,3-Dichlorobenzene	146	10.269	10.269	(0.994)	243799	20.0000	19
	107	p-Isopropyltoluene	119	10.269	10.269	(0.994)	388769	20.0000	20
*	108	1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	439044	50.0000	
	109	1,4-Dichlorobenzene	146	10.343	10.343	(1.002)	252447	20.0000	18
	110	Benzyl Chloride	91	10.459	10.459	(1.013)	204820	20.0000	17
	106	n-Butylbenzene	91	10.566	10.566	(1.023)	370720	20.0000	19
	171	Indan	117	10.500	10.500	(2.092)	320406	20.0000	15
	111	1,2-Dichlorobenzene	146	10.615	10.615	(1.028)	243152	20.0000	18
	112	1,2-Dibromo-3-chloropropane	75	11.183	11.183	(1.083)	18524	20.0000	14
	113	Camphor	95	11.652	11.652	(1.128)	19342	100.000	42
	114	1,2,4-Trichlorobenzene	180	11.710	11.710	(1.134)	170538	20.0000	18
	115	Hexachlorobutadiene	225	11.784	11.784	(1.141)	61172	20.0000	19
	116	Naphthalene	128	11.891	11.891	(1.151)	332359	20.0000	16
	117	1,2,3-Trichlorobenzene	180	12.047	12.047	(1.167)	144444	20.0000	17
M	120	1,2-Dichloroethene (Total)	100				215498	40.0000	37
M	121	Xylene (Total)	100				473963	60.0000	58

Data File: b37890.d

Date: 12-AUG-2011 09:23

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83056/2 Calibration Date: 08/15/2011 07:34

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37913.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	LinF	0.2105	0.2812		25.5	20.0	27.3	50.0
Chloromethane	LinF	0.3897	0.3206	0.1000	21.1	20.0	5.5	50.0
Vinyl chloride	Ave	0.2555	0.2784		21.8	20.0	9.0	20.0
Bromomethane	Ave	0.1036	0.1018		19.6	20.0	-1.8	50.0
Chloroethane	Ave	0.1301	0.1440		22.1	20.0	10.7	50.0
Trichlorofluoromethane	Ave	0.3176	0.3752		23.6	20.0	18.1	50.0
n-Pentane	Ave	0.0207	0.0295		28.5	20.0	42.5	50.0
Ethyl ether	Ave	0.1591	0.1637		20.6	20.0	2.9	50.0
Isopropene	Ave	0.2308	0.2835		24.6	20.0	22.8	50.0
Freon TF	Ave	0.1877	0.1975		21.0	20.0	5.2	50.0
Acrolein	Ave	0.0337	0.0242		28.7	40.0	-28.3	99.0
1,1-Dichloroethene	LinF	0.2131	0.1750		16.4	20.0	-17.9	20.0
Acetone	Ave	0.0547	0.0412		15.1	20.0	-24.7	50.0
Carbon disulfide	Ave	0.7605	0.7179		18.9	20.0	-5.6	50.0
Methyl acetate	Ave	0.2914	0.2088		14.3	20.0	-28.4	50.0
Acetonitrile	Ave	0.0026	0.0015		233	400	-41.7	50.0
Methylene Chloride	Ave	0.2929	0.2599		17.7	20.0	-11.3	50.0
TBA	Ave	0.0065	0.0041		256	400	-35.9	50.0
MTBE	Ave	0.7590	0.6669		17.6	20.0	-12.1	50.0
trans-1,2-Dichloroethene	Ave	0.2697	0.2601		19.3	20.0	-3.6	50.0
Acrylonitrile	Ave	0.0802	0.0659		16.4	20.0	-17.9	50.0
Hexane	Ave	0.1625	0.1593		19.6	20.0	-2.0	50.0
DIPE	Ave	0.8783	0.8156		18.6	20.0	-7.1	50.0
1,1-Dichloroethane	Ave	0.5097	0.4998	0.1000	19.6	20.0	-1.9	50.0
Vinyl acetate	Ave	0.2469	0.3399		27.5	20.0	37.7	50.0
Tert-butyl ethyl ether	Ave	0.8436	0.7717	0.0100	18.3	20.0	-8.5	50.0
2,2-Dichloropropane	Ave	0.3957	0.3942		19.9	20.0	-0.4	50.0
cis-1,2-Dichloroethene	Ave	0.2988	0.2811		18.8	20.0	-5.9	50.0
2-Butanone	Ave	0.0201	0.0152		15.1	20.0	-24.6	50.0
Ethyl acetate	Ave	0.0256	0.0186		29.0	40.0	-27.6	50.0
Bromochloromethane	Ave	0.1592	0.1556		19.5	20.0	-2.3	50.0
Tetrahydrofuran	LinF	0.0740	0.0419		12.9	20.0	-35.5	50.0
Chloroform	Ave	0.5269	0.5112		19.4	20.0	-3.0	20.0
Cyclohexane	Ave	0.3955	0.4122		20.8	20.0	4.2	50.0
1,1,1-Trichloroethane	Ave	0.4272	0.4162		19.5	20.0	-2.6	50.0
Carbon tetrachloride	Ave	0.3583	0.3757		21.0	20.0	4.9	50.0
1,1-Dichloropropene	Ave	0.3859	0.3681		19.1	20.0	-4.6	50.0
Benzene	Ave	1.428	1.412		19.8	20.0	-1.1	50.0
Tert-amyl methyl ether	Ave	0.7378	0.6776		18.4	20.0	-8.2	50.0
1,2-Dichloroethane	Ave	0.4151	0.4168		20.1	20.0	0.4	50.0
Isopropyl acetate	Ave	0.5807	0.4743		32.7	40.0	-18.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83056/2 Calibration Date: 08/15/2011 07:34

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37913.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Trichloroethene	Ave	0.2973	0.2826		19.0	20.0	-5.0	50.0
Methylcyclohexane	Ave	0.3619	0.3698		20.4	20.0	2.2	50.0
Ethyl acrylate	Ave	0.3157	0.2060		13.0	20.0	-34.8	50.0
1,2-Dichloropropane	Ave	0.2916	0.2641		18.1	20.0	-9.5	20.0
Dibromomethane	Ave	0.2021	0.1863		18.4	20.0	-7.8	50.0
Methyl methacrylate	Ave	0.0614	0.0418		13.6	20.0	-32.0	50.0
Propyl acetate	Ave	0.3359	0.2099		25.0	40.0	-37.5	50.0
Bromodichloromethane	Ave	0.3927	0.3751		19.1	20.0	-4.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1628	0.1104		13.6	20.0	-32.2	50.0
Epichlorohydrin	Ave	0.0198	0.0116		235	400	-41.3	50.0
cis-1,3-Dichloropropene	Ave	0.6034	0.5506		18.2	20.0	-8.8	50.0
Methyl isobutyl ketone (MIBK)	Ave	0.3187	0.2439		15.3	20.0	-23.5	50.0
Toluene	Ave	1.476	1.410		19.1	20.0	-4.5	20.0
trans-1,3-Dichloropropene	Ave	0.5473	0.4634		16.9	20.0	-15.3	50.0
Tetrachloroethene	Ave	0.3929	0.4077		20.8	20.0	3.8	50.0
1,1,2-Trichloroethane	Ave	0.2953	0.2598		17.6	20.0	-12.0	50.0
1,3-Dichloropropane	Ave	0.5643	0.4819		17.1	20.0	-14.6	50.0
2-Hexanone	LinF	0.1738	0.1119		10.6	20.0	-47.0	50.0
Dibromochloromethane	Ave	0.3882	0.3610		18.6	20.0	-7.0	50.0
Butyl acetate	Ave	0.0685	0.0493		28.8	40.0	-28.0	50.0
1,2-Dibromoethane	Ave	0.3606	0.3142		17.4	20.0	-12.9	50.0
Chlorobenzene	Ave	0.996	0.9518	0.3000	19.1	20.0	-4.5	50.0
Ethylbenzene	Ave	0.4752	0.4650		19.6	20.0	-2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3558	0.3704		20.8	20.0	4.1	50.0
m&p-Xylene	Ave	0.5795	0.5820		40.2	40.0	0.4	50.0
o-Xylene	Ave	0.6013	0.5891		19.6	20.0	-2.0	50.0
Butyl acrylate	Ave	0.2269	0.1948		17.2	20.0	-14.1	50.0
Styrene	Ave	0.996	0.9740		19.6	20.0	-2.2	50.0
Amly acetate	Ave	0.6226	0.6121		19.7	20.0	-1.7	50.0
Bromoform	Ave	0.2461	0.2284	0.1000	18.6	20.0	-7.2	50.0
Isopropylbenzene	Ave	1.474	1.584		21.5	20.0	7.5	50.0
Camphene, Total	Ave	0.1440	0.1726		24.0	20.0	19.9	50.0
Monobromobenzene	Ave	0.8148	0.7543		18.5	20.0	-7.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8440	0.6875	0.3000	16.3	20.0	-18.5	50.0
N-Propylbenzene	Ave	3.205	3.132		19.5	20.0	-2.3	50.0
1,2,3-Trichloropropane	Ave	0.2327	0.1816		15.6	20.0	-21.9	50.0
2-Chlorotoluene	Ave	2.125	1.962		18.5	20.0	-7.7	50.0
1,3,5-Trimethylbenzene	Ave	2.350	2.243		19.1	20.0	-4.5	50.0
4-Chlorotoluene	Ave	2.234	2.071		18.5	20.0	-7.3	50.0
Butyl Methacrylate	Ave	0.7695	0.6879		17.9	20.0	-10.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83056/2 Calibration Date: 08/15/2011 07:34

Instrument ID: VOAMS2 Calib Start Date: 08/08/2011 21:27

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 08/09/2011 00:21

Lab File ID: b37913.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
tert-Butylbenzene	Ave	1.985	1.948		19.6	20.0	-1.9	50.0
1,2,4-Trimethylbenzene	Ave	2.423	2.345		19.4	20.0	-3.2	50.0
sec-Butylbenzene	LinF	2.776	2.813		21.4	20.0	7.0	50.0
1,3-Dichlorobenzene	Ave	1.459	1.457		20.0	20.0	-0.1	50.0
p-Isopropyltoluene	LinF	2.342	2.385		21.7	20.0	8.5	50.0
1,4-Dichlorobenzene	Ave	1.556	1.521		19.6	20.0	-2.2	50.0
Benzyl chloride	Ave	1.357	1.149		16.9	20.0	-15.3	50.0
n-Butylbenzene	LinF	2.208	2.236		20.5	20.0	2.6	50.0
1,2-Dichlorobenzene	Ave	1.502	1.454		19.4	20.0	-3.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1542	0.1122		14.5	20.0	-27.3	50.0
Camphor	LinF	0.0428	0.0204		38.4	100	-61.6*	50.0
1,2,4-Trichlorobenzene	Ave	1.066	1.032		19.4	20.0	-3.2	50.0
Hexachlorobutadiene	LinF	0.3549	0.3595		20.0	20.0	0.2	50.0
Naphthalene	Ave	2.407	2.023		16.8	20.0	-15.9	50.0
1,2,3-Trichlorobenzene	Ave	0.9584	0.8973		18.7	20.0	-6.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3426	0.3399		49.6	50.0	-0.8	50.0
Toluene-d8 (Surr)	Ave	1.229	1.248		50.8	50.0	1.6	50.0
Bromofluorobenzene	Ave	0.8054	0.7790		48.4	50.0	-3.3	50.0

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37913.d
Report Date: 15-Aug-2011 07:51

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37913.d
Lab Smp Id: CCVIS
Inj Date : 15-AUG-2011 07:34
Operator : Inst ID: VOAMS2.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/8260_09.m
Meth Date : 15-Aug-2011 07:51 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	119471	20.0000	25
3 Chloromethane	50	1.159	1.159	(0.231)	136198	20.0000	21
4 Vinyl Chloride	62	1.233	1.233	(0.245)	118292	20.0000	22
6 Bromomethane	94	1.505	1.505	(0.299)	43239	20.0000	20
5 Chloroethane	64	1.587	1.587	(0.316)	61202	20.0000	22
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	159413	20.0000	24
8 n-Pentane	72	1.793	1.793	(0.357)	12547	20.0000	28
10 Isoprene	67	2.007	2.007	(0.399)	120443	20.0000	24
11 Ethyl Ether	59	2.007	2.007	(0.399)	69572	20.0000	20
13 Acrolein	56	2.171	2.171	(0.432)	20542	40.0000	29
15 1,1-Dichloroethene	96	2.180	2.180	(0.434)	74337	20.0000	16
14 Freon TF	101	2.155	2.155	(0.429)	83912	20.0000	21
16 Acetone	43	2.311	2.311	(0.460)	17507	20.0000	15
18 Carbon Disulfide	76	2.336	2.336	(0.465)	305006	20.0000	19
21 Acetonitrile	39	2.616	2.616	(0.520)	13055	400.000	230
170 Cyclopentene	67	2.517	2.517	(0.501)	241391	20.0000	18

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37913.d
Report Date: 15-Aug-2011 07:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	88699	20.0000	14
	22 Methylene Chloride	84	2.649	2.649	(0.527)	110426	20.0000	18
	24 TBA	59	2.780	2.780	(0.553)	35153	400.000	260
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	110514	20.0000	19
	26 Acrylonitrile	53	2.945	2.945	(0.586)	27997	20.0000	16
	28 MTBE	73	2.830	2.830	(0.563)	283374	20.0000	18
	29 Hexane	56	3.003	3.003	(0.597)	67677	20.0000	20
	30 1,1-Dichloroethane	63	3.266	3.266	(0.650)	212343	20.0000	20
	31 Vinyl Acetate	43	3.315	3.315	(0.659)	144437	20.0000	28
	32 DIPE	45	3.258	3.258	(0.648)	346529	20.0000	18
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	327896	20.0000	18
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	167494	20.0000	20
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	119416	20.0000	19
	38 2-Butanone	72	3.900	3.900	(0.776)	6447	20.0000	15
	39 Ethyl Acetate	70	3.916	3.916	(0.779)	15766	40.0000	29
	40 Bromochloromethane	128	4.089	4.089	(0.813)	66091	20.0000	20
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	17785	20.0000	13
	42 Chloroform	83	4.163	4.163	(0.828)	217186	20.0000	19
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	176848	20.0000	19
	44 Cyclohexane	56	4.253	4.253	(0.846)	175119	20.0000	21
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	159640	20.0000	21
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	156390	20.0000	19
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.723	4.723	(0.939)	361068	50.0000	50
	48 Benzene	78	4.681	4.681	(0.553)	420415	20.0000	20
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	177075	20.0000	20
	50 t-Amyl-methyl-ether	73	4.788	4.788	(0.953)	287885	20.0000	18
	61 Isopropyl Acetate	43	4.830	4.830	(0.961)	403066	40.0000	33
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1062219	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	120057	20.0000	19
	56 Methyl cyclohexane	83	5.546	5.546	(1.103)	157114	20.0000	20
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	87518	20.0000	13
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	112200	20.0000	18
	58 Dibromomethane	93	5.916	5.916	(1.177)	79172	20.0000	18
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	17739	20.0000	14
	75 Propyl Acetate	43	6.006	6.006	(1.195)	178357	40.0000	25
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	159394	20.0000	19
	62 2-Chloroethyl Vinyl Ether	63	6.566	6.566	(1.306)	46909	20.0000	14
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	69335	400.000	230
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	163969	20.0000	18
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	72646	20.0000	15
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	929496	50.0000	51
	66 Toluene	91	7.035	7.035	(0.832)	419840	20.0000	19
	64 trans-1,3-Dichloropropene	75	7.414	7.414	(0.876)	138008	20.0000	17
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	77387	20.0000	18
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	121423	20.0000	21
	72 1,3-Dichloropropane	76	7.768	7.768	(0.918)	143528	20.0000	17
	73 2-Hexanone	43	7.850	7.850	(0.928)	33337	20.0000	10

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37913.d
Report Date: 15-Aug-2011 07:51

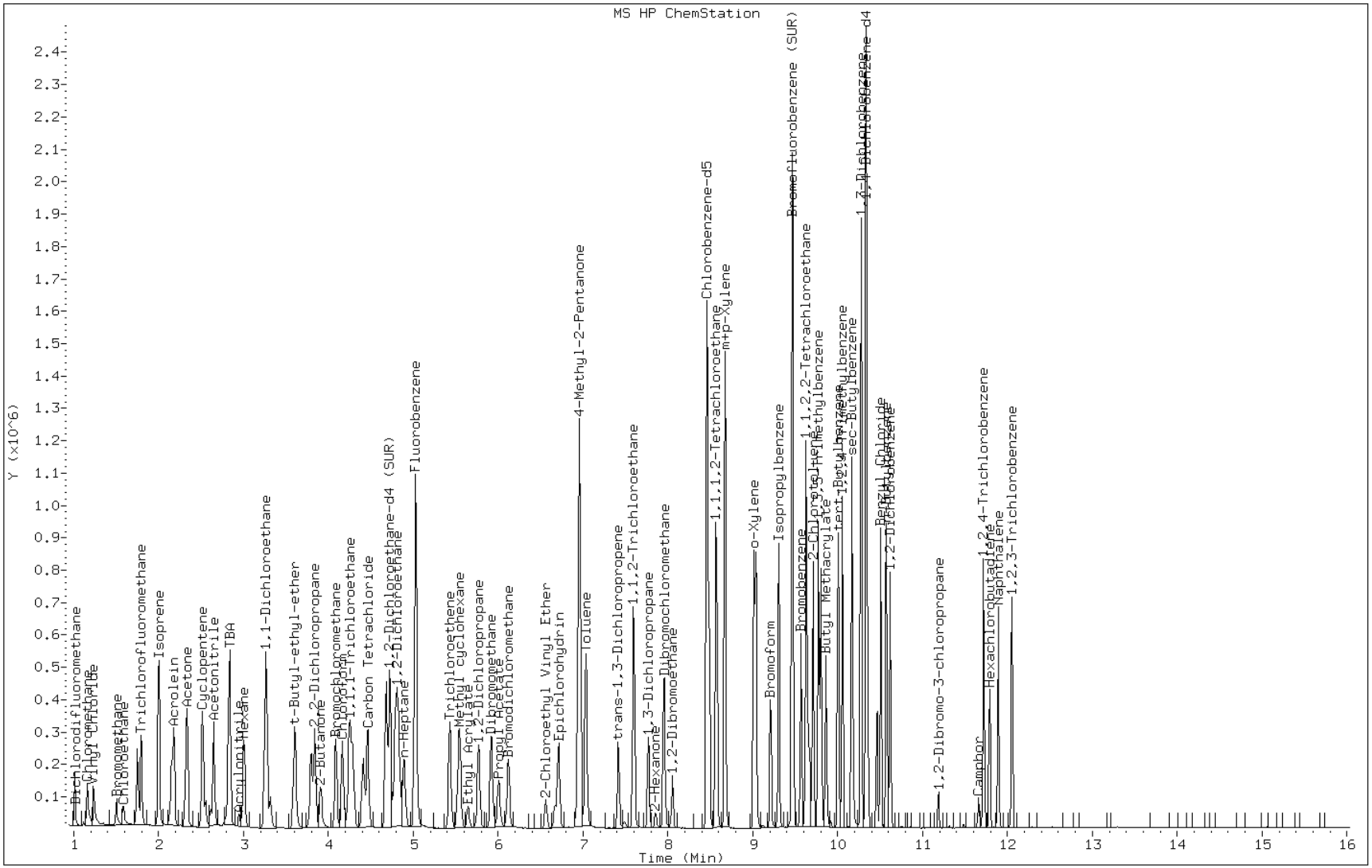
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	74 Dibromochloromethane	129	7.949	7.949	(0.940)	107521	20.0000	19
	76 Butyl Acetate	73	7.957	7.957	(0.941)	29375	40.0000	29
	77 1,2-Dibromoethane	107	8.056	8.056	(0.952)	93583	20.0000	17
*	78 Chlorobenzene-d5	117	8.459	8.459	(1.000)	744566	50.0000	
	79 Chlorobenzene	112	8.484	8.484	(1.003)	283477	20.0000	19
	80 1,1,1,2-Tetrachloroethane	131	8.582	8.582	(1.015)	110319	20.0000	21
	81 Ethylbenzene	106	8.566	8.566	(1.013)	138498	20.0000	20
	82 m+p-Xylene	106	8.673	8.673	(1.025)	346687	40.0000	40
	84 o-Xylene	106	9.010	9.010	(1.065)	175460	20.0000	20
	85 Styrene	104	9.043	9.043	(1.069)	290081	20.0000	20
	83 Butyl Acrylate	73	9.027	9.027	(1.067)	58015	20.0000	17
	86 Bromoform	173	9.208	9.208	(1.089)	68014	20.0000	18
	87 Amyl Acetate	43	9.208	9.208	(0.891)	109483	20.0000	20
	88 Isopropylbenzene	105	9.306	9.306	(1.100)	471622	20.0000	21
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	348342	50.0000	48
	90 Camphene (total)	41	9.471	9.471	(1.120)	51406	20.0000	24
	91 Bromobenzene	156	9.570	9.570	(0.926)	134903	20.0000	18
	92 1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	122956	20.0000	16
	93 1,2,3-Trichloropropane	110	9.660	9.660	(0.935)	32485	20.0000	16
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	560220	20.0000	20
	96 2-Chlorotoluene	91	9.710	9.710	(0.939)	350830	20.0000	18
	97 1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	401168	20.0000	19
	98 4-Chlorotoluene	91	9.800	9.800	(0.948)	370416	20.0000	18
	99 Butyl Methacrylate	87	9.866	9.866	(0.955)	123040	20.0000	18
	100 tert-Butylbenzene	119	10.006	10.006	(0.968)	348383	20.0000	20
	101 1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	419359	20.0000	19
	103 sec-Butylbenzene	105	10.171	10.171	(0.984)	503115	20.0000	21
	105 1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	260667	20.0000	20
	107 p-Isopropyltoluene	119	10.278	10.278	(0.994)	426497	20.0000	22
*	108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	447145	50.0000	
	109 1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	272082	20.0000	20
	110 Benzyl Chloride	91	10.467	10.467	(1.013)	205561	20.0000	17
	106 n-Butylbenzene	91	10.574	10.574	(1.023)	399935	20.0000	20
	171 Indan	117	10.508	10.508	(2.090)	350924	20.0000	16
	111 1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	260025	20.0000	19
	112 1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	20062	20.0000	14
	113 Camphor	95	11.660	11.660	(1.128)	18222	100.000	38
	114 1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	184551	20.0000	19
	115 Hexachlorobutadiene	225	11.792	11.792	(1.141)	64299	20.0000	20
	116 Naphthalene	128	11.891	11.891	(1.150)	361853	20.0000	17
	117 1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	160489	20.0000	19
M	120 1,2-Dichloroethene (Total)	100				229930	40.0000	38
M	121 Xylene (Total)	100				522147	60.0000	60

Data File: b37913.d

Date: 15-AUG-2011 07:34

Client ID: Instrument: VOAMS2.i

Sample Info: CCVIS Operator:



Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37826.d
Report Date: 08-Aug-2011 20:39

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37826.d
Lab Smp Id: BFB
Inj Date : 08-AUG-2011 20:29
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

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

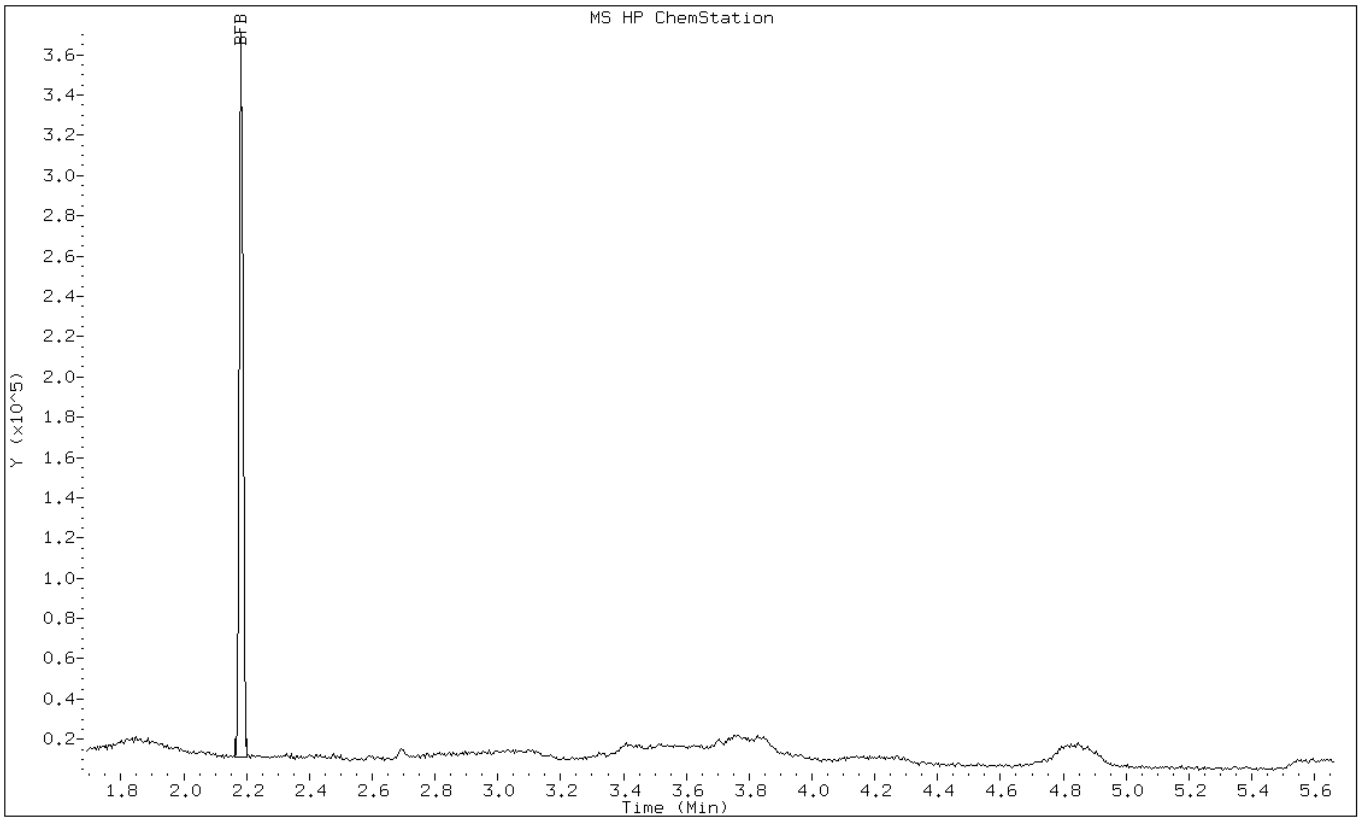
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.184	1.900 (0.000)	95	57069			0.00- 100.00	100.00
2.184	1.900 (0.000)	50	11959			15.00- 40.00	20.96
2.184	1.900 (0.000)	75	28981			30.00- 60.00	50.78
2.184	1.900 (0.000)	96	3798			5.00- 9.00	6.66
2.184	1.900 (0.000)	173	393			0.00- 2.00	0.82
2.184	1.900 (0.000)	174	47925			50.00- 100.00	83.98
2.184	1.900 (0.000)	175	3492			5.00- 9.00	7.29
2.184	1.900 (0.000)	176	45746			95.00- 101.00	95.45
2.184	1.900 (0.000)	177	3233			5.00- 9.00	7.07

Data File: b37826.d

Date: 08-AUG-2011 20:29

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



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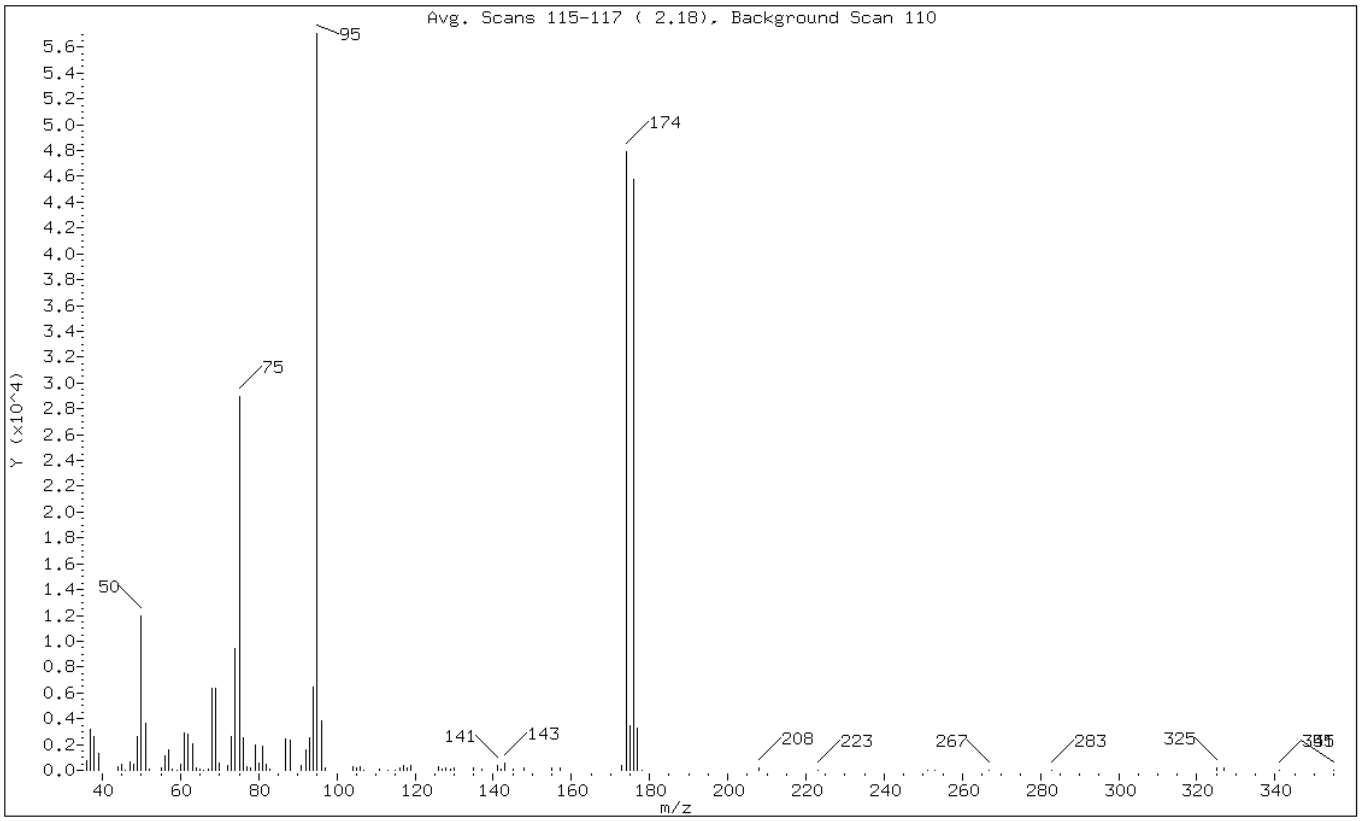
Date: 08-AUG-2011 20:29

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

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	20.96
75	30.00 - 60.00% of mass 95	50.78
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.69 (0.82)
174	50.00 - 100.00% of mass 95	83.98
175	5.00 - 9.00% of mass 174	6.12 (7.29)
176	95.00 - 101.00% of mass 174	80.16 (95.45)
177	5.00 - 9.00% of mass 176	5.67 (7.07)

Data File: b37826.d

Date: 08-AUG-2011 20:29

Client ID:

Instrument: VOAMS2.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/08-08-11/08aug11.b/b37826.d
Spectrum: Avg. Scans 115-117 (2.18), Background Scan 110
Location of Maximum: 95.00
Number of points: 91

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	725	65.00	88	94.00	6486	142.00	118
37.00	3148	66.00	33	95.00	57064	143.00	575
38.00	2616	67.00	109	96.00	3798	145.00	52
39.00	1278	68.00	6330	97.00	170	148.00	232
44.00	325	69.00	6367	104.00	322	155.00	143
45.00	479	70.00	563	105.00	165	157.00	158
46.00	40	72.00	359	106.00	326	173.00	393
47.00	689	73.00	2626	107.00	34	174.00	47920
48.00	435	74.00	9456	111.00	76	175.00	3492
49.00	2632	75.00	28976	113.00	35	176.00	45744
50.00	11959	76.00	2508	115.00	39	177.00	3233
51.00	3669	77.00	297	116.00	226	178.00	46
52.00	126	78.00	208	117.00	398	208.00	156
55.00	184	79.00	1915	118.00	205	223.00	37
56.00	1100	80.00	514	119.00	370	251.00	14
57.00	1588	81.00	1856	126.00	282	253.00	39
58.00	82	82.00	484	127.00	129	267.00	40
59.00	17	83.00	89	128.00	227	283.00	44
60.00	508	87.00	2384	129.00	125	325.00	232
61.00	2917	88.00	2325	130.00	229	327.00	167
62.00	2787	91.00	331	135.00	153	341.00	27
63.00	2014	92.00	1560	137.00	116	355.00	34
64.00	226	93.00	2482	141.00	415		

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37888.d
Report Date: 12-Aug-2011 08:29

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37888.d
Lab Smp Id: BFB
Inj Date : 12-AUG-2011 08:24
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

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

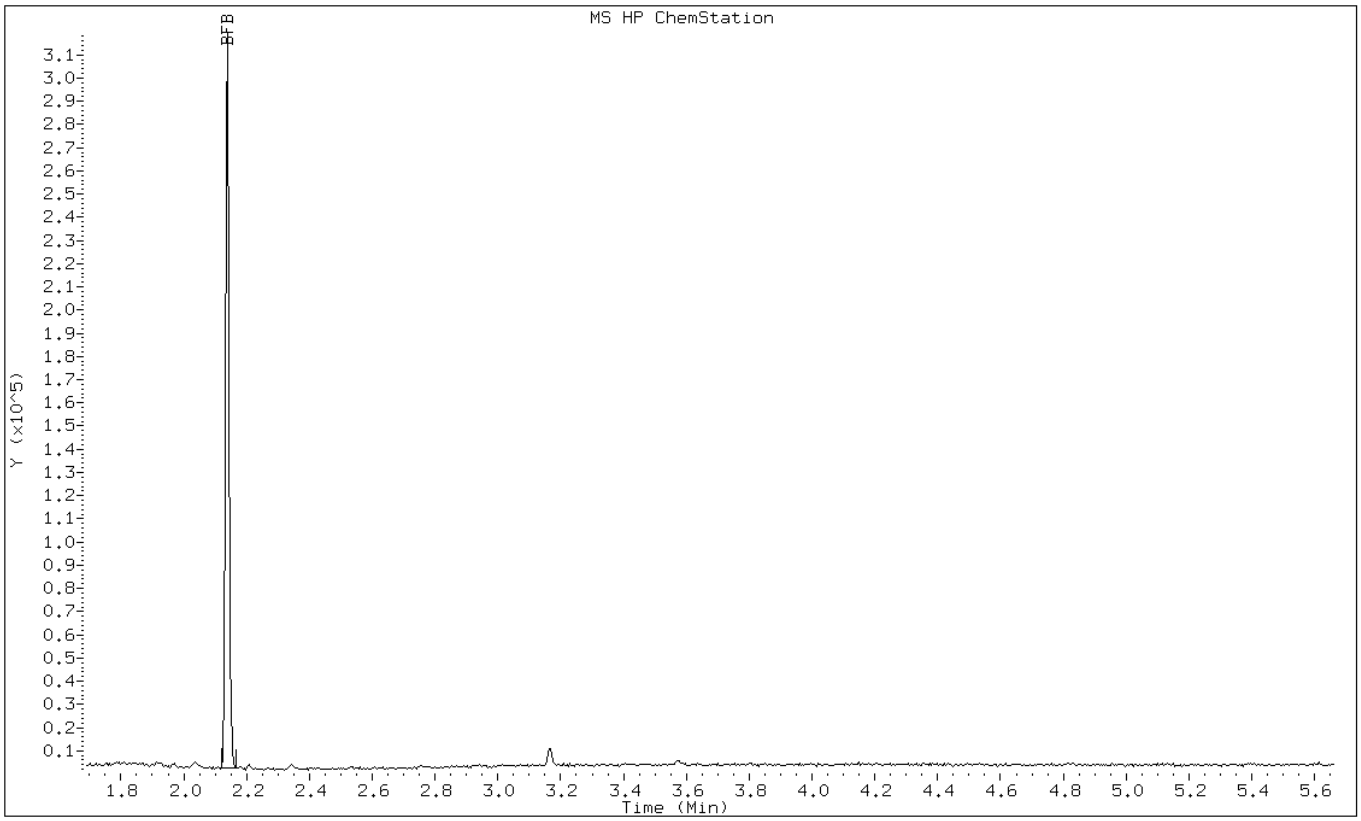
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.141	1.900 (0.000)	95	50186			0.00- 100.00	100.00
2.141	1.900 (0.000)	50	10372			15.00- 40.00	20.67
2.141	1.900 (0.000)	75	25813			30.00- 60.00	51.43
2.141	1.900 (0.000)	96	3656			5.00- 9.00	7.28
2.141	1.900 (0.000)	173	371			0.00- 2.00	0.82
2.141	1.900 (0.000)	174	45186			50.00- 100.00	90.04
2.141	1.900 (0.000)	175	3282			5.00- 9.00	7.26
2.141	1.900 (0.000)	176	44413			95.00- 101.00	98.29
2.141	1.900 (0.000)	177	2828			5.00- 9.00	6.37

Data File: b37888.d

Date: 12-AUG-2011 08:24

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



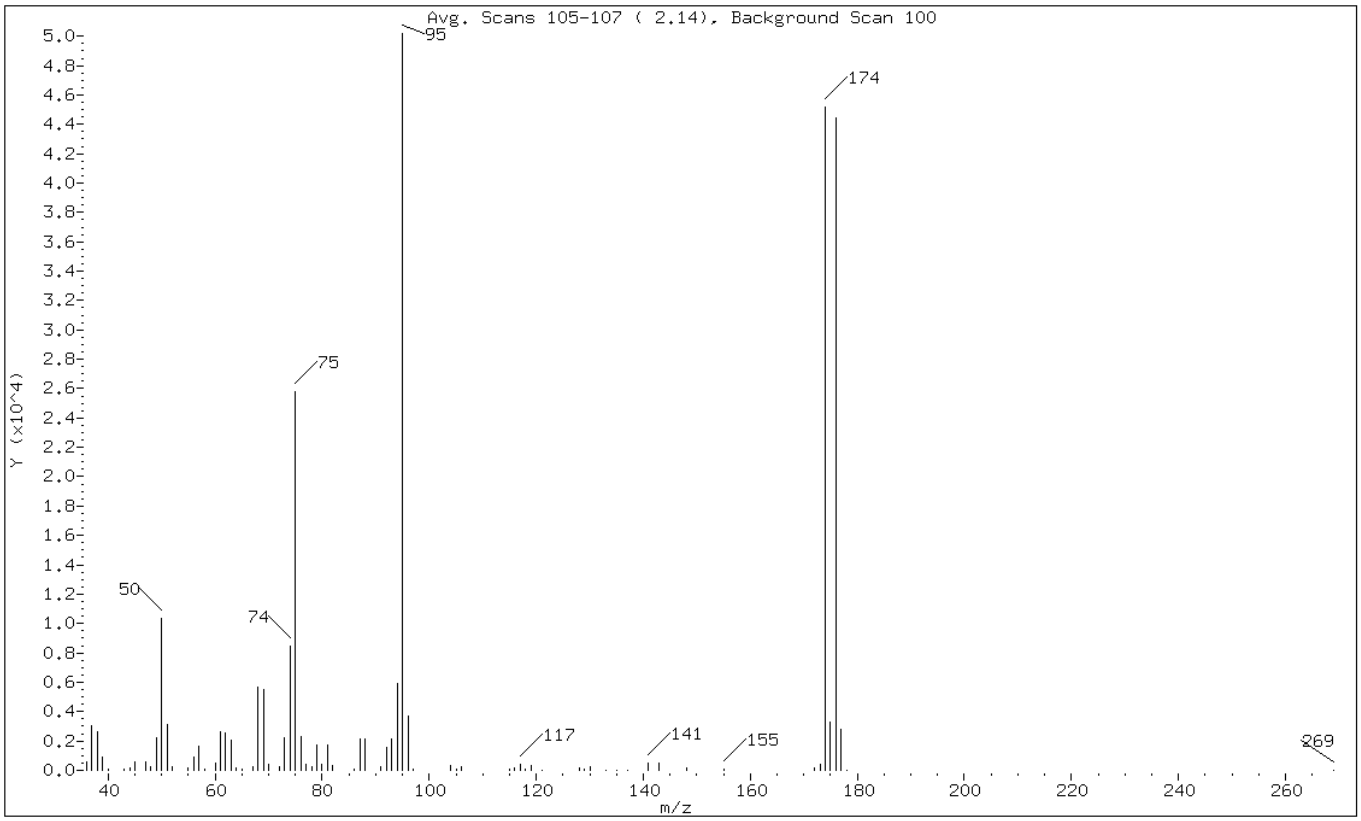
Data File: b37888.d

Date: 12-AUG-2011 08:24

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

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	20.67
75	30.00 - 60.00% of mass 95	51.43
96	5.00 - 9.00% of mass 95	7.28
173	Less than 2.00% of mass 174	0.74 (0.82)
174	50.00 - 100.00% of mass 95	90.04
175	5.00 - 9.00% of mass 174	6.54 (7.26)
176	95.00 - 101.00% of mass 174	88.50 (98.29)
177	5.00 - 9.00% of mass 176	5.64 (6.37)

Data File: b37888.d

Date: 12-AUG-2011 08:24

Client ID:

Instrument: VOAMS2.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37888.d
Spectrum: Avg. Scans 105-107 (2.14), Background Scan 100
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	549	62.00	2569	87.00	2113	130.00	239
37.00	2998	63.00	2083	88.00	2099	133.00	33
38.00	2593	64.00	175	91.00	237	135.00	40
39.00	889	65.00	45	92.00	1524	137.00	35
40.00	97	67.00	219	93.00	2116	141.00	531
43.00	94	68.00	5680	94.00	5907	143.00	497
44.00	205	69.00	5481	95.00	50184	148.00	168
45.00	551	70.00	428	96.00	3656	155.00	65
47.00	613	72.00	251	97.00	76	172.00	154
48.00	284	73.00	2241	104.00	306	173.00	371
49.00	2229	74.00	8420	105.00	57	174.00	45184
50.00	10372	75.00	25808	106.00	262	175.00	3282
51.00	3143	76.00	2288	115.00	44	176.00	44408
52.00	222	77.00	391	116.00	181	177.00	2828
55.00	195	78.00	282	117.00	379	178.00	38
56.00	902	79.00	1715	118.00	118	269.00	33
57.00	1657	80.00	428	119.00	330		
58.00	85	81.00	1727	121.00	41		
60.00	515	82.00	339	128.00	187		
61.00	2658	86.00	50	129.00	109		

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37910.d
Report Date: 15-Aug-2011 06:11

TestAmerica

Data file : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37910.d
Lab Smp Id: BFB
Inj Date : 15-AUG-2011 06:04
Operator : VOAMS 1 Inst ID: VOAMS2.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/VOABFB.m
Meth Date : 05-Apr-2009 14:55 sylvanus Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

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

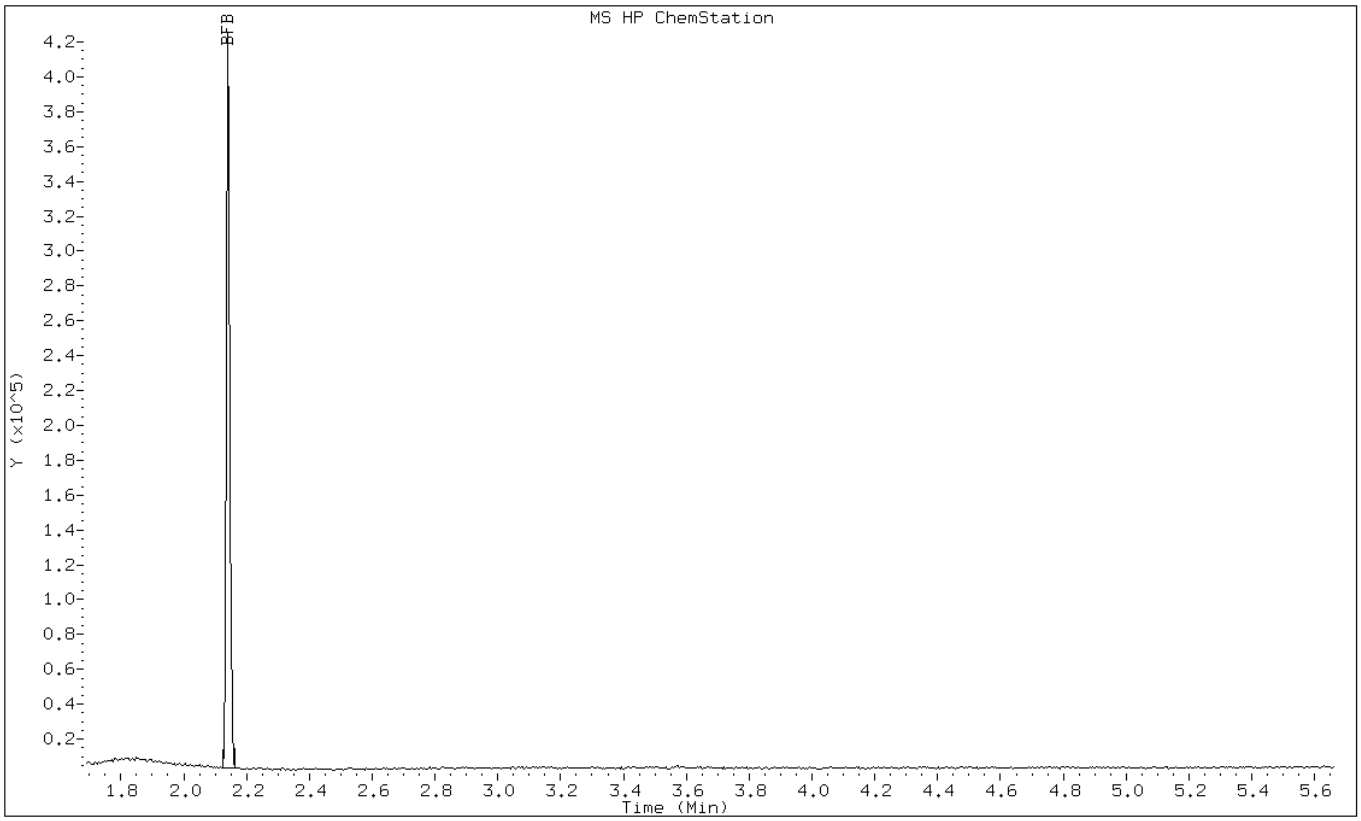
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.141	1.900 (0.000)	95	68642			0.00- 100.00	100.00
2.141	1.900 (0.000)	50	14803			15.00- 40.00	21.57
2.141	1.900 (0.000)	75	35421			30.00- 60.00	51.60
2.141	1.900 (0.000)	96	4501			5.00- 9.00	6.56
2.141	1.900 (0.000)	173	520			0.00- 2.00	0.93
2.141	1.900 (0.000)	174	55962			50.00- 100.00	81.53
2.141	1.900 (0.000)	175	4167			5.00- 9.00	7.45
2.141	1.900 (0.000)	176	54938			95.00- 101.00	98.17
2.141	1.900 (0.000)	177	3511			5.00- 9.00	6.39

Data File: b37910.d

Date: 15-AUG-2011 06:04

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1



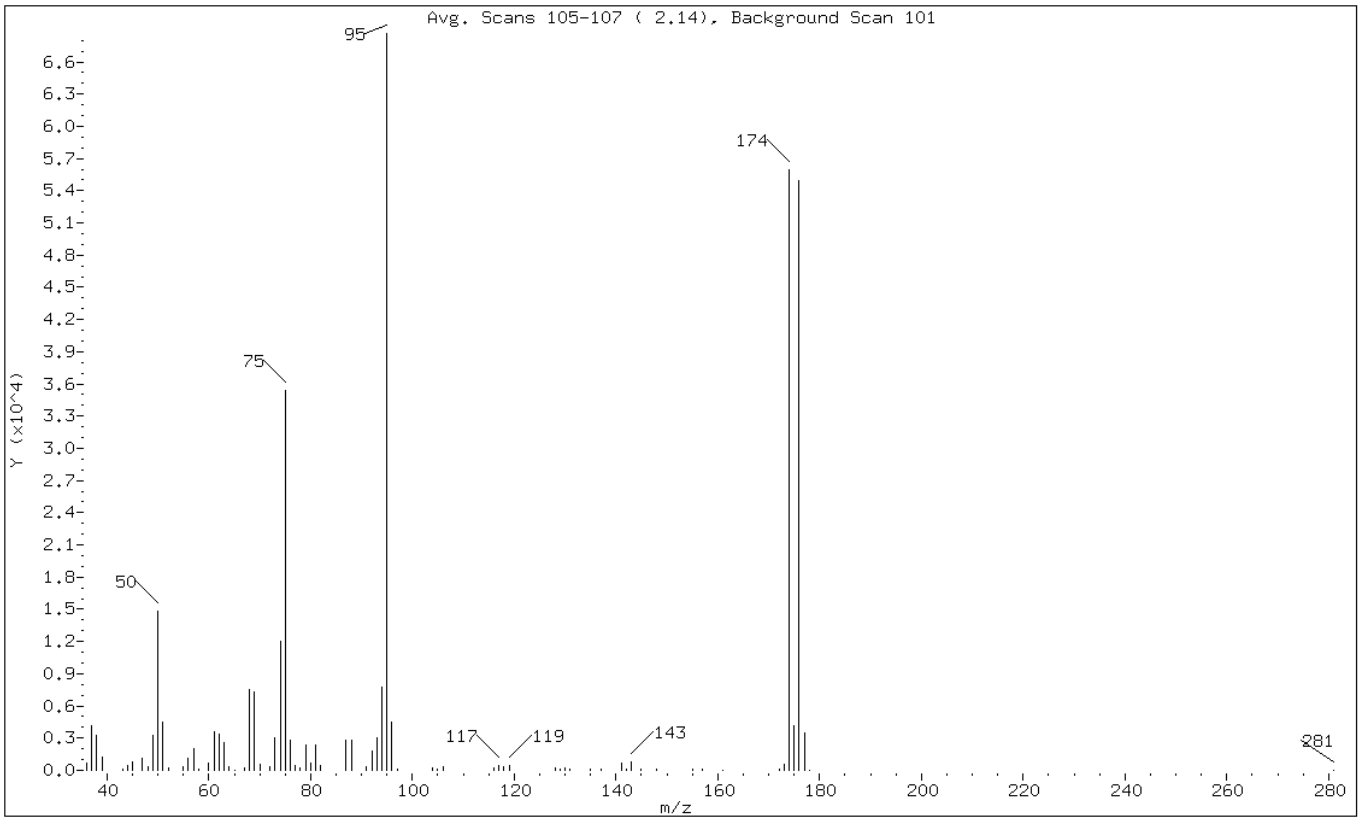
Data File: b37910.d

Date: 15-AUG-2011 06:04

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

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	21.57
75	30.00 - 60.00% of mass 95	51.60
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.76 (0.93)
174	50.00 - 100.00% of mass 95	81.53
175	5.00 - 9.00% of mass 174	6.07 (7.45)
176	95.00 - 101.00% of mass 174	80.04 (98.17)
177	5.00 - 9.00% of mass 176	5.11 (6.39)

Data File: b37910.d

Date: 15-AUG-2011 06:04

Client ID: Instrument: VOAMS2.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37910.d
Spectrum: Avg. Scans 105-107 (2.14), Background Scan 101
Location of Maximum: 95.00
Number of points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	682	63.00	2584	91.00	287	141.00	627
37.00	4154	64.00	320	92.00	1819	142.00	79
38.00	3250	65.00	35	93.00	2991	143.00	769
39.00	1190	67.00	267	94.00	7737	145.00	132
43.00	101	68.00	7578	95.00	68640	148.00	167
44.00	396	69.00	7350	96.00	4501	155.00	60
45.00	793	70.00	603	97.00	158	157.00	137
47.00	1155	72.00	393	104.00	263	161.00	42
48.00	281	73.00	3072	105.00	121	172.00	120
49.00	3289	74.00	12017	106.00	335	173.00	520
50.00	14803	75.00	35416	116.00	205	174.00	55960
51.00	4537	76.00	2826	117.00	398	175.00	4167
52.00	252	77.00	441	118.00	316	176.00	54936
55.00	320	78.00	210	119.00	428	177.00	3511
56.00	1119	79.00	2324	128.00	235	178.00	33
57.00	1995	80.00	629	129.00	74	281.00	54
58.00	87	81.00	2347	130.00	256		
60.00	720	82.00	497	131.00	103		
61.00	3579	87.00	2810	135.00	78		
62.00	3386	88.00	2768	137.00	99		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-82910/4

Matrix: Water Lab File ID: b37895.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 13:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	3.0	U	3.0	0.43
179601-23-1	m&p-Xylene	2.0	U	2.0	0.29
95-47-6	o-Xylene	1.0	U	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-82910/4

Matrix: Water Lab File ID: b37895.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 13:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.0	U	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	N-Propylbenzene	1.0	U	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	1.0	U	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-122
2037-26-5	Toluene-d8 (Surr)	101		69-125
460-00-4	Bromofluorobenzene	92		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37895.d
Report Date: 15-Aug-2011 06:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37895.d
Lab Smp Id: MB
Inj Date : 12-AUG-2011 13:22
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

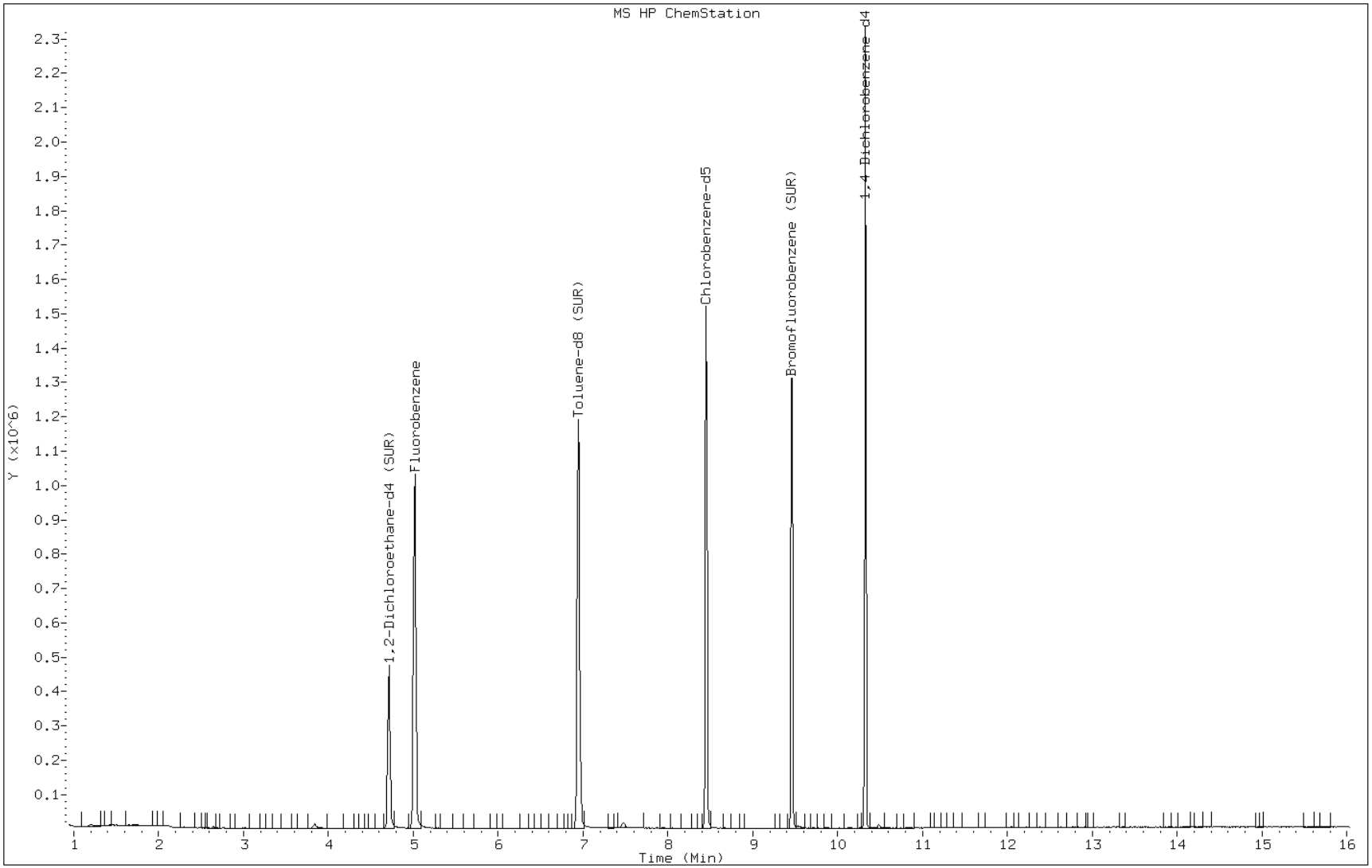
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	362018	51.6589	52
* 52 Fluorobenzene	96	5.019	5.019	(1.000)	1022746	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	862525	50.3875	50
* 78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	696499	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	312964	46.1816	46
* 108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	420701	50.0000	

Data File: b37895.d

Date: 12-AUG-2011 13:22

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-83056/4

Matrix: Water Lab File ID: b37917.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/15/2011 09:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 83056 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.0	U	1.0	0.21
74-83-9	Bromomethane	1.0	U	1.0	0.31
75-01-4	Vinyl chloride	1.0	U	1.0	0.13
75-00-3	Chloroethane	1.0	U	1.0	0.45
75-09-2	Methylene Chloride	1.0	U	1.0	0.19
67-64-1	Acetone	10	U	10	2.5
75-15-0	Carbon disulfide	1.0	U	1.0	0.15
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.14
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.10
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.20
67-66-3	Chloroform	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.24
78-93-3	2-Butanone	10	U	10	0.82
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.25
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.19
75-27-4	Bromodichloromethane	1.0	U	1.0	0.093
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.11
79-01-6	Trichloroethene	1.0	U	1.0	0.18
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.10
71-43-2	Benzene	1.0	U	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	10	U	10	0.68
591-78-6	2-Hexanone	10	U	10	0.55
127-18-4	Tetrachloroethene	1.0	U	1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.090
108-88-3	Toluene	1.0	U	1.0	0.090
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.25
100-42-5	Styrene	1.0	U	1.0	0.13
1330-20-7	Xylenes, Total	3.0	U	3.0	0.43
179601-23-1	m&p-Xylene	2.0	U	2.0	0.29
95-47-6	o-Xylene	1.0	U	1.0	0.15
1634-04-4	MTBE	1.0	U	1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-83056/4

Matrix: Water Lab File ID: b37917.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/15/2011 09:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 83056 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.0	U	1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.19
74-95-3	Dibromomethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.21
103-65-1	N-Propylbenzene	1.0	U	1.0	0.18
99-87-6	p-Isopropyltoluene	1.0	U	1.0	0.19
135-98-8	sec-Butylbenzene	1.0	U	1.0	0.20
98-06-6	tert-Butylbenzene	1.0	U	1.0	0.18
104-51-8	n-Butylbenzene	1.0	U	1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-122
2037-26-5	Toluene-d8 (Surr)	98		69-125
460-00-4	Bromofluorobenzene	96		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37917.d
Report Date: 15-Aug-2011 10:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37917.d
Lab Smp Id: MB
Inj Date : 15-AUG-2011 09:58
Operator : Inst ID: VOAMS2.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/8260_09.m
Meth Date : 15-Aug-2011 07:51 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

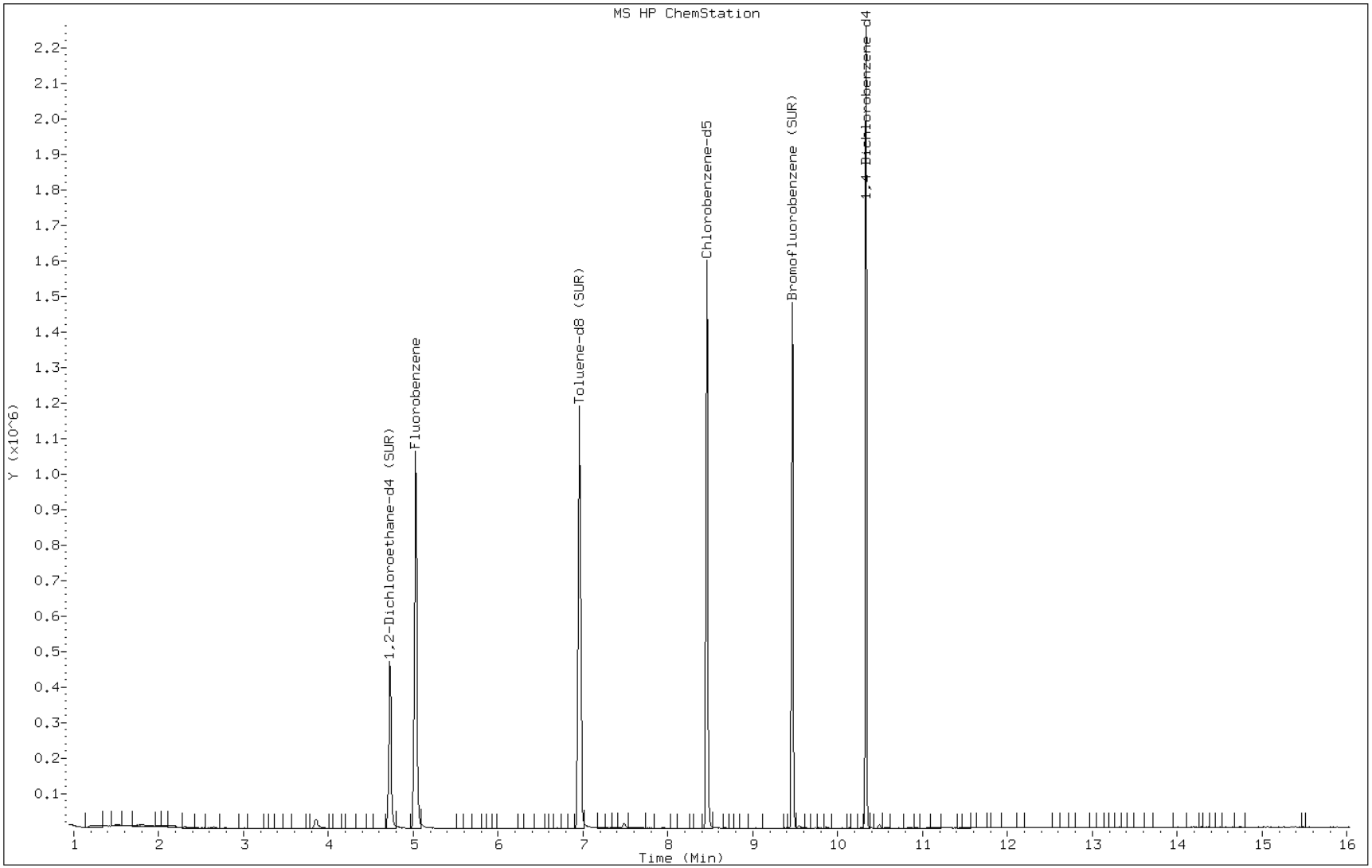
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 47 1,2-Dichloroethane-d4 (SUR)	65	4.722	4.723	(0.939)	373130	52.1576	52
* 52 Fluorobenzene	96	5.027	5.027	(1.000)	1044060	50.0000	
$ 65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	884431	49.1451	49
* 78 Chlorobenzene-d5	117	8.459	8.459	(1.000)	732243	50.0000	
$ 89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	334862	48.2402	48
* 108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	430928	50.0000	

Data File: b37917.d

Date: 15-AUG-2011 09:58

Client ID: Instrument: VOAMS2.i

Sample Info: MB Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-82910/3

Matrix: Water Lab File ID: b37893.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	20.5		1.0	0.21
74-83-9	Bromomethane	18.3		1.0	0.31
75-01-4	Vinyl chloride	21.0		1.0	0.13
75-00-3	Chloroethane	21.8		1.0	0.45
75-09-2	Methylene Chloride	19.6		1.0	0.19
67-64-1	Acetone	14.7		10	2.5
75-15-0	Carbon disulfide	20.9		1.0	0.15
75-35-4	1,1-Dichloroethene	21.3		1.0	0.14
75-34-3	1,1-Dichloroethane	20.7		1.0	0.10
156-60-5	trans-1,2-Dichloroethene	20.2		1.0	0.14
156-59-2	cis-1,2-Dichloroethene	20.9		1.0	0.20
67-66-3	Chloroform	20.8		1.0	0.15
107-06-2	1,2-Dichloroethane	20.6		1.0	0.24
78-93-3	2-Butanone	14.2		10	0.82
71-55-6	1,1,1-Trichloroethane	20.8		1.0	0.25
56-23-5	Carbon tetrachloride	21.8		1.0	0.19
75-27-4	Bromodichloromethane	19.4		1.0	0.093
78-87-5	1,2-Dichloropropane	18.8		1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	18.6		1.0	0.11
79-01-6	Trichloroethene	19.9		1.0	0.18
79-00-5	1,1,2-Trichloroethane	17.7		1.0	0.10
71-43-2	Benzene	21.4		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	16.4		1.0	0.12
75-25-2	Bromoform	18.5		1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	15.5		10	0.68
591-78-6	2-Hexanone	10.8		10	0.55
127-18-4	Tetrachloroethene	21.5		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1.0	0.090
108-88-3	Toluene	19.7		1.0	0.090
108-90-7	Chlorobenzene	20.3		1.0	0.16
100-41-4	Ethylbenzene	21.0		1.0	0.25
100-42-5	Styrene	21.3		1.0	0.13
1330-20-7	Xylenes, Total	64.3		3.0	0.43
179601-23-1	m&p-Xylene	43.2		2.0	0.29
95-47-6	o-Xylene	21.1		1.0	0.15
1634-04-4	MTBE	18.0		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-82910/3

Matrix: Water Lab File ID: b37893.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 12:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	16.2		1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	20.6		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	19.9		1.0	0.19
74-95-3	Dibromomethane	19.0		1.0	0.19
98-82-8	Isopropylbenzene	23.3		1.0	0.21
103-65-1	N-Propylbenzene	20.6		1.0	0.18
99-87-6	p-Isopropyltoluene	22.8		1.0	0.19
135-98-8	sec-Butylbenzene	22.3		1.0	0.20
98-06-6	tert-Butylbenzene	20.2		1.0	0.18
104-51-8	n-Butylbenzene	21.6		1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-122
2037-26-5	Toluene-d8 (Surr)	99		69-125
460-00-4	Bromofluorobenzene	97		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37893.d
Report Date: 12-Aug-2011 12:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37893.d
Lab Smp Id: LCS
Inj Date : 12-AUG-2011 12:08
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	115829	25.4041	25
3 Chloromethane	50	1.151	1.151	(0.229)	128375	20.4627	20
4 Vinyl Chloride	62	1.233	1.233	(0.246)	110929	21.0292	21
6 Bromomethane	94	1.497	1.497	(0.298)	39227	18.3429	18
5 Chloroethane	64	1.579	1.579	(0.315)	58428	21.7501	22
7 Trichlorofluoromethane	101	1.743	1.743	(0.347)	155888	23.7744	24
8 n-Pentane	72	1.793	1.793	(0.357)	14119	33.0142	33(R)
10 Isoprene	67	1.999	1.999	(0.398)	130697	27.4368	27(R)
11 Ethyl Ether	59	1.999	1.999	(0.398)	72165	21.9761	22
13 Acrolein	56	2.163	2.163	(0.431)	25658	36.8467	37
15 1,1-Dichloroethene	96	2.171	2.171	(0.433)	93872	21.3287	21
14 Freon TF	101	2.147	2.147	(0.428)	113265	29.2288	29(R)
16 Acetone	43	2.295	2.303	(0.457)	16651	14.7380	15
18 Carbon Disulfide	76	2.328	2.328	(0.464)	327988	20.8928	21
21 Acetonitrile	39	2.599	2.599	(0.518)	16026	294.416	290
170 Cyclopentene	67	2.509	2.509	(0.500)	333925	25.3978	25

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37893.d
Report Date: 12-Aug-2011 12:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	27 Methyl Acetate	43	2.542	2.550	(0.506)	82616	13.7326	14
	22 Methylene Chloride	84	2.641	2.640	(0.526)	118330	19.5700	20
	24 TBA	59	2.764	2.764	(0.551)	31998	240.210	240
	25 trans-1,2-Dichloroethene	96	2.830	2.830	(0.564)	112707	20.2434	20
	26 Acrylonitrile	53	2.937	2.937	(0.585)	26687	16.1162	16
	28 MTBE	73	2.813	2.821	(0.561)	281700	17.9791	18
	29 Hexane	56	2.994	2.994	(0.597)	71624	21.3549	21
	30 1,1-Dichloroethane	63	3.258	3.258	(0.649)	217784	20.6978	21
	31 Vinyl Acetate	43	3.307	3.307	(0.659)	138014	27.0806	27
	32 DIPE	45	3.250	3.249	(0.647)	350928	19.3554	19
	35 t-Butyl-ethyl-ether	59	3.595	3.595	(0.716)	325625	18.6986	19
	37 2,2-Dichloropropane	77	3.784	3.784	(0.754)	177714	21.7562	22
	36 cis-1,2-Dichloroethene	96	3.826	3.834	(0.762)	129088	20.9277	21
	38 2-Butanone	72	3.883	3.883	(0.774)	5887	14.1696	14
	39 Ethyl Acetate	70	3.900	3.900	(0.777)	14950	28.2652	28
	40 Bromochloromethane	128	4.072	4.081	(0.811)	66660	20.2778	20
	41 Tetrahydrofuran	42	4.081	4.081	(0.813)	17463	13.0438	13
	42 Chloroform	83	4.155	4.155	(0.828)	226050	20.7825	21
	43 1,1,1-Trichloroethane	97	4.278	4.278	(0.852)	183741	20.8362	21
	44 Cyclohexane	56	4.237	4.237	(0.844)	180841	22.1507	22
	45 Carbon Tetrachloride	117	4.402	4.402	(0.877)	161161	21.7886	22
	46 1,1-Dichloropropene	75	4.451	4.451	(0.887)	164632	20.6665	21
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	347296	49.1051	49
	48 Benzene	78	4.673	4.673	(0.553)	438565	21.3983	21
	49 1,2-Dichloroethane	62	4.797	4.797	(0.956)	176656	20.6161	21
	50 t-Amyl-methyl-ether	73	4.780	4.780	(0.952)	278427	18.2810	18
	61 Isopropyl Acetate	43	4.821	4.821	(0.961)	379941	31.6949	32
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	1032181	50.0000	
	54 Trichloroethene	95	5.414	5.422	(1.079)	122359	19.9372	20
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	162474	21.7462	22
	55 Ethyl Acrylate	55	5.628	5.636	(1.121)	81393	12.4889	12
	57 1,2-Dichloropropane	63	5.760	5.760	(1.148)	113362	18.8300	19
	58 Dibromomethane	93	5.908	5.908	(1.177)	79381	19.0314	19
	59 Methyl Methacrylate	100	5.908	5.916	(1.177)	16915	13.3484	13
	75 Propyl Acetate	43	5.990	5.998	(1.193)	175214	25.2654	25
	68 Bromodichloromethane	83	6.105	6.105	(1.216)	157623	19.4413	19
	62 2-Chloroethyl Vinyl Ether	63	6.550	6.550	(1.305)	42918	12.7721	13
	63 Epichlorohydrin	57	6.657	6.657	(0.788)	67774	238.274	240
	67 cis-1,3-Dichloropropene	75	6.698	6.698	(0.793)	161180	18.6129	19
	70 4-Methyl-2-Pentanone	43	6.912	6.920	(0.818)	70708	15.4572	15
$	65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	870685	49.3679	49
	66 Toluene	91	7.027	7.027	(0.832)	418225	19.7439	20
	64 trans-1,3-Dichloropropene	75	7.406	7.405	(0.876)	129089	16.4327	16
	69 1,1,2-Trichloroethane	83	7.587	7.586	(0.898)	75004	17.6962	18
	71 Tetrachloroethene	166	7.587	7.586	(0.898)	121256	21.5048	22
	72 1,3-Dichloropropane	76	7.759	7.759	(0.918)	141166	17.4297	17
	73 2-Hexanone	43	7.842	7.842	(0.928)	32785	10.8135	11

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37893.d
Report Date: 12-Aug-2011 12:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	74 Dibromochloromethane	129	7.940	7.940	(0.940)	106654	19.1440	19
	76 Butyl Acetate	73	7.949	7.949	(0.941)	29417	29.9131	30
	77 1,2-Dibromoethane	107	8.047	8.047	(0.952)	92525	17.8766	18
*	78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	717609	50.0000	
	79 Chlorobenzene	112	8.475	8.475	(1.003)	290189	20.2917	20
	80 1,1,1,2-Tetrachloroethane	131	8.574	8.574	(1.015)	111670	21.8661	22
	81 Ethylbenzene	106	8.558	8.558	(1.013)	143437	21.0296	21
	82 m+p-Xylene	106	8.665	8.665	(1.025)	359514	43.2226	43
	84 o-Xylene	106	9.002	9.002	(1.065)	182068	21.0988	21
	85 Styrene	104	9.035	9.035	(1.069)	304270	21.2768	21
	83 Butyl Acrylate	73	9.019	9.018	(1.067)	58900	18.0893	18
	86 Bromoform	173	9.200	9.200	(1.089)	65330	18.4999	18
	87 Amyl Acetate	43	9.208	9.208	(0.892)	110119	19.8488	20
	88 Isopropylbenzene	105	9.298	9.298	(1.100)	493379	23.3299	23
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	347797	48.4626	48
	90 Camphene (total)	41	9.463	9.463	(1.120)	53736	25.9981	26
	91 Bromobenzene	156	9.562	9.562	(0.926)	141463	19.4843	19
	92 1,1,2,2-Tetrachloroethane	83	9.619	9.619	(0.931)	124825	16.5991	16
	93 1,2,3-Trichloropropane	110	9.652	9.652	(0.935)	32753	15.7985	16
	95 n-Propylbenzene	91	9.619	9.627	(0.931)	588927	20.6243	21
	96 2-Chlorotoluene	91	9.702	9.702	(0.939)	366397	19.3530	19
	97 1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	415970	19.8666	20
	98 4-Chlorotoluene	91	9.800	9.800	(0.949)	429010	21.5479	22
	99 Butyl Methacrylate	87	9.858	9.858	(0.955)	122960	17.9337	18
	100 tert-Butylbenzene	119	9.998	9.998	(0.968)	356677	20.1649	20
	101 1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	443932	20.5598	20
	103 sec-Butylbenzene	105	10.162	10.162	(0.984)	522241	22.2903	22
	105 1,3-Dichlorobenzene	146	10.269	10.269	(0.994)	273529	21.0342	21
	107 p-Isopropyltoluene	119	10.269	10.269	(0.994)	447362	22.8357	23
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	445520	50.0000	
	109 1,4-Dichlorobenzene	146	10.344	10.343	(1.002)	283564	20.4537	20
	110 Benzyl Chloride	91	10.459	10.459	(1.013)	209260	17.3021	17
	106 n-Butylbenzene	91	10.566	10.566	(1.023)	419787	21.6162	22
	171 Indan	117	10.500	10.500	(2.092)	342149	16.0702	16
	111 1,2-Dichlorobenzene	146	10.615	10.615	(1.028)	264501	19.7577	20
	112 1,2-Dibromo-3-chloropropane	75	11.183	11.183	(1.083)	18244	13.2774	13(R)
	113 Camphor	95	11.652	11.652	(1.128)	16075	34.0238	34
	114 1,2,4-Trichlorobenzene	180	11.718	11.710	(1.135)	183549	19.3290	19
	115 Hexachlorobutadiene	225	11.784	11.784	(1.141)	65263	20.4112	20
	116 Naphthalene	128	11.891	11.891	(1.151)	347142	16.1886	16
	117 1,2,3-Trichlorobenzene	180	12.047	12.047	(1.167)	155569	18.2174	18
M	120 1,2-Dichloroethene (Total)	100				241795	41.1711	41
M	121 Xylene (Total)	100				541582	64.3214	64

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37893.d
Report Date: 12-Aug-2011 12:26

QC Flag Legend

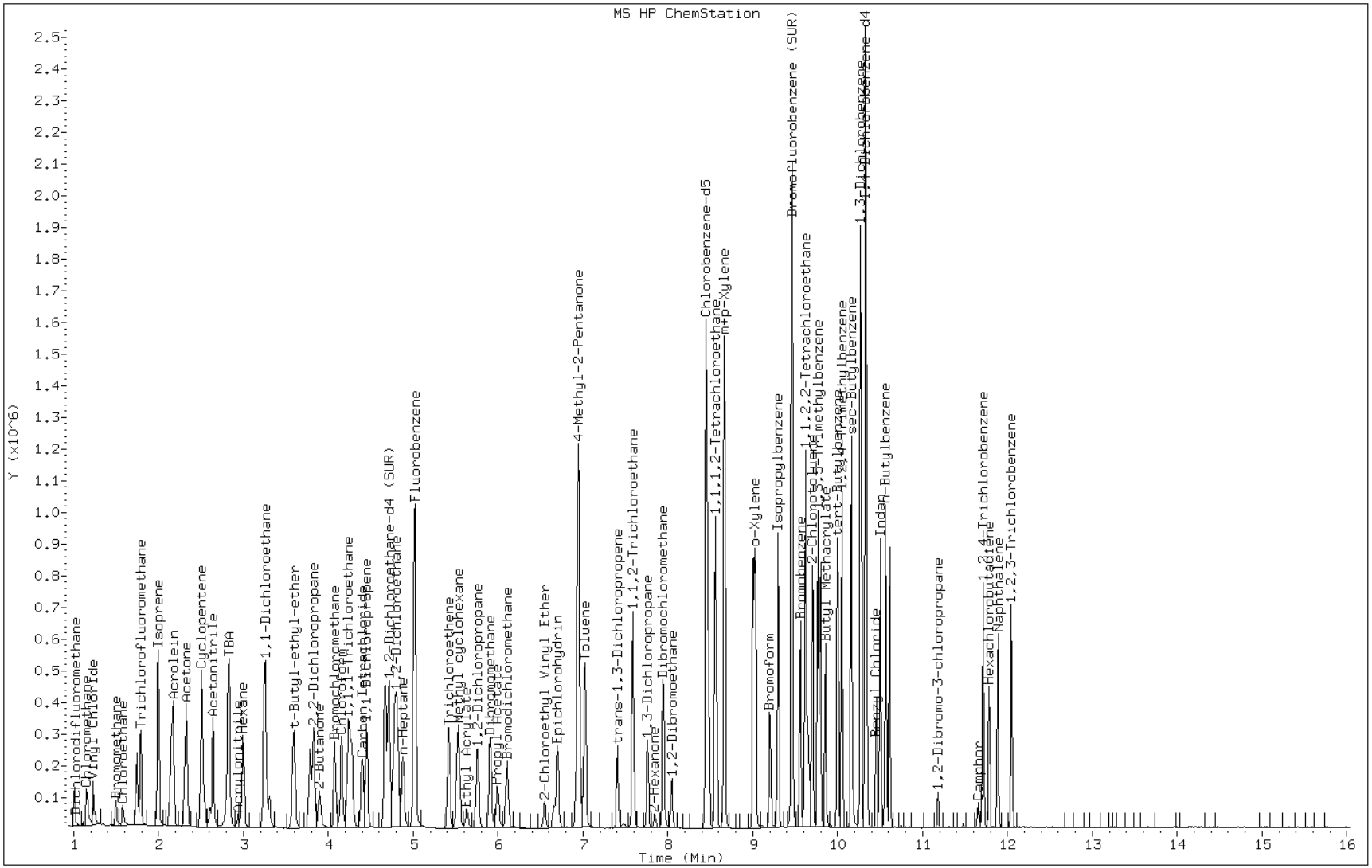
R - Spike/Surrogate failed recovery limits.

Data File: b37893.d

Date: 12-AUG-2011 12:08

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-83056/3

Matrix: Water Lab File ID: b37915.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/15/2011 08:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 83056 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	20.1		1.0	0.21
74-83-9	Bromomethane	21.7		1.0	0.31
75-01-4	Vinyl chloride	20.9		1.0	0.13
75-00-3	Chloroethane	21.2		1.0	0.45
75-09-2	Methylene Chloride	20.2		1.0	0.19
67-64-1	Acetone	16.0		10	2.5
75-15-0	Carbon disulfide	21.6		1.0	0.15
75-35-4	1,1-Dichloroethene	20.1		1.0	0.14
75-34-3	1,1-Dichloroethane	20.5		1.0	0.10
156-60-5	trans-1,2-Dichloroethene	20.9		1.0	0.14
156-59-2	cis-1,2-Dichloroethene	20.9		1.0	0.20
67-66-3	Chloroform	21.0		1.0	0.15
107-06-2	1,2-Dichloroethane	21.0		1.0	0.24
78-93-3	2-Butanone	17.4		10	0.82
71-55-6	1,1,1-Trichloroethane	21.1		1.0	0.25
56-23-5	Carbon tetrachloride	21.8		1.0	0.19
75-27-4	Bromodichloromethane	20.7		1.0	0.093
78-87-5	1,2-Dichloropropane	19.9		1.0	0.090
10061-01-5	cis-1,3-Dichloropropene	21.2		1.0	0.11
79-01-6	Trichloroethene	20.5		1.0	0.18
79-00-5	1,1,2-Trichloroethane	19.5		1.0	0.10
71-43-2	Benzene	21.7		1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	19.1		1.0	0.12
75-25-2	Bromoform	20.0		1.0	0.10
108-10-1	Methyl isobutyl ketone (MIBK)	18.6		10	0.68
591-78-6	2-Hexanone	13.4		10	0.55
127-18-4	Tetrachloroethene	22.0		1.0	0.20
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.0	0.090
108-88-3	Toluene	20.7		1.0	0.090
108-90-7	Chlorobenzene	21.0		1.0	0.16
100-41-4	Ethylbenzene	20.9		1.0	0.25
100-42-5	Styrene	21.6		1.0	0.13
1330-20-7	Xylenes, Total	64.8		3.0	0.43
179601-23-1	m&p-Xylene	43.2		2.0	0.29
95-47-6	o-Xylene	21.6		1.0	0.15
1634-04-4	MTBE	21.1		1.0	0.18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-83056/3

Matrix: Water Lab File ID: b37915.d

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 08/15/2011 08:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 83056 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	18.7		1.0	0.60
95-63-6	1,2,4-Trimethylbenzene	21.5		1.0	0.20
108-67-8	1,3,5-Trimethylbenzene	20.9		1.0	0.19
74-95-3	Dibromomethane	20.6		1.0	0.19
98-82-8	Isopropylbenzene	22.5		1.0	0.21
103-65-1	N-Propylbenzene	21.2		1.0	0.18
99-87-6	p-Isopropyltoluene	23.4		1.0	0.19
135-98-8	sec-Butylbenzene	23.0		1.0	0.20
98-06-6	tert-Butylbenzene	21.5		1.0	0.18
104-51-8	n-Butylbenzene	22.3		1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-122
2037-26-5	Toluene-d8 (Surr)	102		69-125
460-00-4	Bromofluorobenzene	99		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37915.d
Report Date: 15-Aug-2011 09:10

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37915.d
Lab Smp Id: LCS
Inj Date : 15-AUG-2011 08:46
Operator : Inst ID: VOAMS2.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/8260_09.m
Meth Date : 15-Aug-2011 07:51 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	103057	21.9376	22
3 Chloromethane	50	1.159	1.159	(0.231)	129896	20.0955	20
4 Vinyl Chloride	62	1.233	1.233	(0.245)	113748	20.9286	21
6 Bromomethane	94	1.505	1.505	(0.299)	47733	21.6628	22
5 Chloroethane	64	1.587	1.587	(0.316)	58628	21.1821	21
7 Trichlorofluoromethane	101	1.752	1.752	(0.348)	161099	23.8457	24
8 n-Pentane	72	1.793	1.793	(0.357)	10617	24.0937	24
10 Isoprene	67	2.007	2.007	(0.399)	116407	23.7175	24
11 Ethyl Ether	59	1.999	2.007	(0.398)	75739	22.3856	22
13 Acrolein	56	2.180	2.171	(0.434)	23392	32.6031	33
15 1,1-Dichloroethene	96	2.180	2.180	(0.434)	90959	20.0584	20
14 Freon TF	101	2.155	2.155	(0.429)	90258	22.6059	23
16 Acetone	43	2.303	2.311	(0.458)	18572	15.9537	16
18 Carbon Disulfide	76	2.336	2.336	(0.465)	349268	21.5933	22
21 Acetonitrile	39	2.616	2.616	(0.520)	15644	278.934	280
170 Cyclopentene	67	2.517	2.517	(0.501)	299252	22.0906	22

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37915.d
Report Date: 15-Aug-2011 09:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	27 Methyl Acetate	43	2.558	2.558	(0.509)	111858	18.0458	18
	22 Methylene Chloride	84	2.649	2.649	(0.527)	126026	20.2292	20
	24 TBA	59	2.780	2.780	(0.553)	28893	210.513	210
	25 trans-1,2-Dichloroethene	96	2.838	2.838	(0.565)	119949	20.9099	21
	26 Acrylonitrile	53	2.945	2.945	(0.586)	29116	17.0652	17
	28 MTBE	73	2.830	2.830	(0.563)	340856	21.1142	21
	29 Hexane	56	3.003	3.003	(0.597)	77038	22.2931	22
	30 1,1-Dichloroethane	63	3.266	3.266	(0.650)	222664	20.5386	20
	31 Vinyl Acetate	43	3.315	3.315	(0.659)	111887	21.3077	21
	32 DIPE	45	3.258	3.258	(0.648)	400845	21.4577	21
	35 t-Butyl-ethyl-ether	59	3.603	3.603	(0.717)	385022	21.4585	21
	37 2,2-Dichloropropane	77	3.801	3.801	(0.756)	180959	21.5012	22
	36 cis-1,2-Dichloroethene	96	3.842	3.842	(0.764)	133136	20.9486	21
	38 2-Butanone	72	3.891	3.900	(0.774)	7465	17.4383	17
	39 Ethyl Acetate	70	3.908	3.916	(0.777)	18079	33.1746	33
	40 Bromochloromethane	128	4.089	4.089	(0.813)	71576	21.1320	21
	41 Tetrahydrofuran	42	4.089	4.089	(0.813)	23588	17.0998	17
	42 Chloroform	83	4.163	4.163	(0.828)	235498	21.0137	21
	43 1,1,1-Trichloroethane	97	4.286	4.286	(0.853)	192010	21.1330	21
	44 Cyclohexane	56	4.253	4.253	(0.846)	189378	22.5135	22
	45 Carbon Tetrachloride	117	4.410	4.410	(0.877)	165800	21.7558	22
	46 1,1-Dichloropropene	75	4.467	4.467	(0.889)	170173	20.7332	21
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.723	4.723	(0.939)	359491	49.3330	49
	48 Benzene	78	4.681	4.681	(0.553)	462995	21.7171	22
	49 1,2-Dichloroethane	62	4.813	4.813	(0.957)	185732	21.0372	21
	50 t-Amyl-methyl-ether	73	4.788	4.788	(0.953)	331952	21.1537	21
	61 Isopropyl Acetate	43	4.830	4.830	(0.961)	470259	38.0744	38
*	52 Fluorobenzene	96	5.027	5.027	(1.000)	1063491	50.0000	
	54 Trichloroethene	95	5.430	5.430	(1.080)	129564	20.4897	20
	56 Methyl cyclohexane	83	5.546	5.546	(1.103)	176194	22.8884	23
	55 Ethyl Acrylate	55	5.644	5.644	(1.123)	107779	16.0505	16
	57 1,2-Dichloropropane	63	5.768	5.768	(1.147)	123311	19.8795	20
	58 Dibromomethane	93	5.916	5.916	(1.177)	88524	20.5988	20
	59 Methyl Methacrylate	100	5.924	5.924	(1.178)	21661	16.5899	16
	75 Propyl Acetate	43	6.006	6.006	(1.195)	218946	30.6420	31
	68 Bromodichloromethane	83	6.122	6.122	(1.218)	172782	20.6836	21
	62 2-Chloroethyl Vinyl Ether	63	6.558	6.566	(1.304)	56974	16.4557	16
	63 Epichlorohydrin	57	6.673	6.673	(0.789)	87674	296.324	300
	67 cis-1,3-Dichloropropene	75	6.714	6.714	(0.794)	190942	21.1974	21
	70 4-Methyl-2-Pentanone	43	6.928	6.928	(0.819)	88440	18.5863	18
$	65 Toluene-d8 (SUR)	98	6.961	6.961	(0.823)	932823	50.8469	51
	66 Toluene	91	7.035	7.035	(0.832)	455979	20.6942	21
	64 trans-1,3-Dichloropropene	75	7.414	7.414	(0.876)	156129	19.1066	19
	69 1,1,2-Trichloroethane	83	7.603	7.603	(0.899)	85885	19.4804	19
	71 Tetrachloroethene	166	7.595	7.595	(0.898)	128745	21.9503	22
	72 1,3-Dichloropropane	76	7.768	7.768	(0.918)	161898	19.2168	19
	73 2-Hexanone	43	7.850	7.850	(0.928)	42415	13.4489	13

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37915.d
Report Date: 15-Aug-2011 09:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	74 Dibromochloromethane	129	7.949	7.949	(0.940)	118933	20.5230	20
	76 Butyl Acetate	73	7.957	7.957	(0.941)	35192	34.4028	34
	77 1,2-Dibromoethane	107	8.056	8.056	(0.952)	105633	19.6202	20
*	78 Chlorobenzene-d5	117	8.459	8.459	(1.000)	746460	50.0000	
	79 Chlorobenzene	112	8.484	8.484	(1.003)	311790	20.9595	21
	80 1,1,1,2-Tetrachloroethane	131	8.574	8.582	(1.014)	120368	22.6583	23
	81 Ethylbenzene	106	8.566	8.566	(1.013)	148480	20.9275	21
	82 m+p-Xylene	106	8.673	8.673	(1.025)	373600	43.1801	43
	84 o-Xylene	106	9.010	9.010	(1.065)	193950	21.6070	22
	85 Styrene	104	9.043	9.043	(1.069)	321606	21.6198	22
	83 Butyl Acrylate	73	9.027	9.027	(1.067)	72591	21.4323	21(R)
	86 Bromoform	173	9.208	9.208	(1.089)	73528	20.0165	20
	87 Amyl Acetate	43	9.208	9.208	(0.891)	104637	18.8849	19
	88 Isopropylbenzene	105	9.307	9.306	(1.100)	494341	22.4719	22
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	353898	49.3764	49
	90 Camphene (total)	41	9.471	9.471	(1.120)	51104	23.7692	24
	91 Bromobenzene	156	9.570	9.570	(0.926)	149722	20.6484	21
	92 1,1,2,2-Tetrachloroethane	83	9.627	9.627	(0.932)	144462	19.2352	19
	93 1,2,3-Trichloropropane	110	9.652	9.660	(0.934)	36052	17.4124	17
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	603554	21.1638	21
	96 2-Chlorotoluene	91	9.710	9.710	(0.939)	390348	20.6446	21
	97 1,3,5-Trimethylbenzene	105	9.776	9.776	(0.946)	437197	20.9073	21
	98 4-Chlorotoluene	91	9.800	9.800	(0.948)	409317	20.5853	20
	99 Butyl Methacrylate	87	9.866	9.866	(0.955)	147931	21.6035	22(R)
	100 tert-Butylbenzene	119	10.006	10.006	(0.968)	380360	21.5315	22
	101 1,2,4-Trimethylbenzene	105	10.055	10.055	(0.973)	463289	21.4840	21
	103 sec-Butylbenzene	105	10.171	10.171	(0.984)	538194	23.0008	23
	105 1,3-Dichlorobenzene	146	10.278	10.278	(0.994)	290153	22.3413	22
	107 p-Isopropyltoluene	119	10.278	10.278	(0.994)	458641	23.4416	23
*	108 1,4-Dichlorobenzene-d4	152	10.335	10.335	(1.000)	444946	50.0000	
	109 1,4-Dichlorobenzene	146	10.352	10.352	(1.002)	298533	21.5611	22
	110 Benzyl Chloride	91	10.467	10.467	(1.013)	263903	21.8482	22
	106 n-Butylbenzene	91	10.574	10.574	(1.023)	432368	22.2927	22
	171 Indan	117	10.508	10.508	(2.090)	248510	11.3285	11(R)
	111 1,2-Dichlorobenzene	146	10.623	10.623	(1.028)	285668	21.3664	21
	112 1,2-Dibromo-3-chloropropane	75	11.191	11.191	(1.083)	22326	16.2693	16
	113 Camphor	95	11.660	11.660	(1.128)	22930	48.5927	48
	114 1,2,4-Trichlorobenzene	180	11.718	11.718	(1.134)	200410	21.1318	21
	115 Hexachlorobutadiene	225	11.792	11.792	(1.141)	70179	21.9770	22
	116 Naphthalene	128	11.891	11.891	(1.150)	400735	18.7119	19
	117 1,2,3-Trichlorobenzene	180	12.055	12.055	(1.166)	172196	20.1905	20
M	120 1,2-Dichloroethene (Total)	100				253086	41.8585	42
M	121 Xylene (Total)	100				567551	64.7872	65

Data File: /chem/VOAMS2.i/8260_09/08-08-11/15aug11.b/b37915.d
Report Date: 15-Aug-2011 09:10

QC Flag Legend

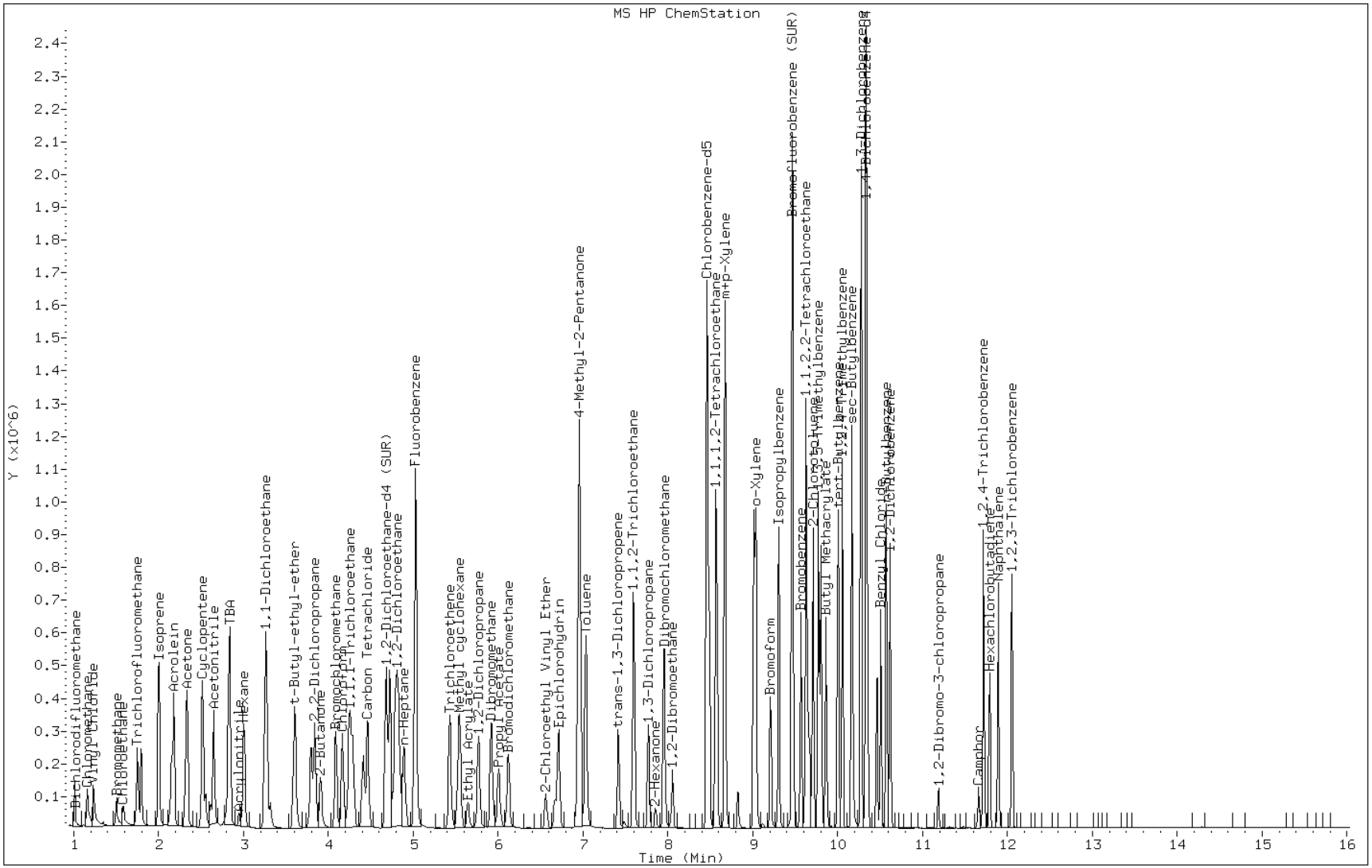
R - Spike/Surrogate failed recovery limits.

Data File: b37915.d

Date: 15-AUG-2011 08:46

Client ID: Instrument: VOAMS2.i

Sample Info: LCS Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 MS | Lab Sample ID: 460-29791-4 MS

Matrix: Water | Lab File ID: b37897.d

Analysis Method: 8260B | Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 14:20

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	444		25	5.3
74-83-9	Bromomethane	430		25	7.8
75-01-4	Vinyl chloride	503		25	3.3
75-00-3	Chloroethane	491		25	11
75-09-2	Methylene Chloride	505		25	4.8
67-64-1	Acetone	459		250	62
75-15-0	Carbon disulfide	469		25	3.8
75-35-4	1,1-Dichloroethene	430		25	3.5
75-34-3	1,1-Dichloroethane	475		25	2.5
156-60-5	trans-1,2-Dichloroethene	459		25	3.5
156-59-2	cis-1,2-Dichloroethene	445		25	5.0
67-66-3	Chloroform	470		25	3.8
107-06-2	1,2-Dichloroethane	500		25	6.0
78-93-3	2-Butanone	454		250	21
71-55-6	1,1,1-Trichloroethane	472		25	6.3
56-23-5	Carbon tetrachloride	494		25	4.8
75-27-4	Bromodichloromethane	462		25	2.3
78-87-5	1,2-Dichloropropane	454		25	2.3
10061-01-5	cis-1,3-Dichloropropene	441		25	2.8
79-01-6	Trichloroethene	469		25	4.5
79-00-5	1,1,2-Trichloroethane	445		25	2.5
71-43-2	Benzene	4900		25	3.3
10061-02-6	trans-1,3-Dichloropropene	413		25	3.0
75-25-2	Bromoform	459		25	2.5
108-10-1	Methyl isobutyl ketone (MIBK)	447		250	17
591-78-6	2-Hexanone	330		250	14
127-18-4	Tetrachloroethene	506		25	5.0
79-34-5	1,1,2,2-Tetrachloroethane	451		25	2.3
108-88-3	Toluene	1030		25	2.3
108-90-7	Chlorobenzene	465		25	4.0
100-41-4	Ethylbenzene	2440		25	6.3
100-42-5	Styrene	512		25	3.3
1330-20-7	Xylenes, Total	8160		75	11
179601-23-1	m&p-Xylene	6980		50	7.3
95-47-6	o-Xylene	1180		25	3.8
1634-04-4	MTBE	458		25	4.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 MS | Lab Sample ID: 460-29791-4 MS

Matrix: Water | Lab File ID: b37897.d

Analysis Method: 8260B | Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 14:20

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1060		25	15
95-63-6	1,2,4-Trimethylbenzene	2050		25	5.0
108-67-8	1,3,5-Trimethylbenzene	874		25	4.8
74-95-3	Dibromomethane	464		25	4.8
98-82-8	Isopropylbenzene	661		25	5.3
103-65-1	N-Propylbenzene	709		25	4.5
99-87-6	p-Isopropyltoluene	556		25	4.8
135-98-8	sec-Butylbenzene	534		25	5.0
98-06-6	tert-Butylbenzene	485		25	4.5
104-51-8	n-Butylbenzene	556		25	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-122
2037-26-5	Toluene-d8 (Surr)	101		69-125
460-00-4	Bromofluorobenzene	97		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37897.d
Report Date: 15-Aug-2011 17:35

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37897.d
Lab Smp Id: 460-29791-B-4MS
Inj Date : 12-AUG-2011 14:20
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-4MS;25
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 2 QC Sample: MS
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	25.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	111371	23.6858	590
3 Chloromethane	50	1.159	1.151	(0.231)	115000	17.7749	440
4 Vinyl Chloride	62	1.233	1.233	(0.246)	109491	20.1272	500
6 Bromomethane	94	1.497	1.497	(0.298)	37937	17.2015	430
5 Chloroethane	64	1.579	1.579	(0.315)	54383	19.6305	490
7 Trichlorofluoromethane	101	1.743	1.743	(0.347)	146265	21.6305	540
8 n-Pentane	72	1.793	1.793	(0.357)	38533	87.3652	2200(R)
10 Isoprene	67	1.999	1.999	(0.398)	120668	24.5634	610
11 Ethyl Ether	59	1.999	1.999	(0.398)	70545	20.8314	520
13 Acrolein	56	2.171	2.163	(0.433)	25649	35.7162	890
15 1,1-Dichloroethene	96	2.171	2.171	(0.433)	78075	17.2016	430
14 Freon TF	101	2.147	2.147	(0.428)	80794	20.2173	500
16 Acetone	43	2.303	2.303	(0.459)	21410	18.3751	460
18 Carbon Disulfide	76	2.328	2.328	(0.464)	303853	18.7686	470
21 Acetonitrile	39	2.591	2.599	(0.516)	103606	1845.60	46000(R)
170 Cyclopentene	67	2.509	2.509	(0.500)	346508	25.5559	640

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37897.d
Report Date: 15-Aug-2011 17:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	27 Methyl Acetate	43	2.542	2.550	(0.506)	323201	52.0940	1300(R)
	22 Methylene Chloride	84	2.640	2.640	(0.526)	125989	20.2050	500
	24 TBA	59	2.772	2.764	(0.552)	35338	257.237	6400
	25 trans-1,2-Dichloroethene	96	2.830	2.830	(0.564)	105347	18.3478	460
	26 Acrylonitrile	53	2.937	2.937	(0.585)	34544	20.2279	500
	28 MTBE	73	2.822	2.821	(0.562)	295962	18.3167	460
	29 Hexane	56	2.994	2.994	(0.597)	110576	31.9691	800(R)
	30 1,1-Dichloroethane	63	3.258	3.258	(0.649)	206016	18.9859	470
	31 Vinyl Acetate	43	3.307	3.307	(0.659)	158695	30.1945	750(R)
	32 DIPE	45	3.249	3.249	(0.647)	346746	18.5450	460
	35 t-Butyl-ethyl-ether	59	3.595	3.595	(0.716)	325267	18.1119	450
	37 2,2-Dichloropropane	77	3.784	3.784	(0.754)	162129	19.2465	480
	36 cis-1,2-Dichloroethene	96	3.834	3.834	(0.764)	113219	17.7986	440
	38 2-Butanone	72	3.883	3.883	(0.774)	7776	18.1474	450
	39 Ethyl Acetate	70	3.900	3.900	(0.777)	17183	31.5006	790
	40 Bromochloromethane	128	4.081	4.081	(0.813)	64819	19.1198	480
	41 Tetrahydrofuran	42	4.081	4.081	(0.813)	24976	18.0895	450
	42 Chloroform	83	4.155	4.155	(0.828)	211085	18.8183	470
	43 1,1,1-Trichloroethane	97	4.278	4.278	(0.852)	171775	18.8888	470
	44 Cyclohexane	56	4.237	4.237	(0.844)	406227	48.2491	1200(R)
	45 Carbon Tetrachloride	117	4.402	4.402	(0.877)	150621	19.7462	490
	46 1,1-Dichloropropene	75	4.451	4.451	(0.887)	158853	19.3365	480
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	375640	51.5026	52
	48 Benzene	78	4.673	4.673	(0.553)	4264984	196.051	4900(R)
	49 1,2-Dichloroethane	62	4.797	4.797	(0.956)	176867	20.0150	500
	50 t-Amyl-methyl-ether	73	4.780	4.780	(0.952)	291338	18.5488	460
	61 Isopropyl Acetate	43	4.821	4.821	(0.961)	441132	35.6840	890
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	1064450	50.0000	
	54 Trichloroethene	95	5.422	5.422	(1.080)	118783	18.7678	470
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	280412	36.3938	910(R)
	55 Ethyl Acrylate	55	5.636	5.636	(1.123)	96461	14.3521	360
	57 1,2-Dichloropropane	63	5.760	5.760	(1.148)	112765	18.1630	450
	58 Dibromomethane	93	5.908	5.908	(1.177)	79818	18.5560	460
	59 Methyl Methacrylate	100	5.916	5.916	(1.179)	20534	15.7125	390
	75 Propyl Acetate	43	5.998	5.998	(1.195)	222351	31.0904	780
	68 Bromodichloromethane	83	6.105	6.105	(1.216)	154504	18.4788	460
	62 2-Chloroethyl Vinyl Ether	63	6.550	6.550	(1.305)	15833	4.56887	110(R)
	63 Epichlorohydrin	57	6.657	6.657	(0.788)	91026	301.498	7500
	67 cis-1,3-Dichloropropene	75	6.698	6.698	(0.793)	162238	17.6506	440
	70 4-Methyl-2-Pentanone	43	6.920	6.920	(0.819)	86783	17.8732	450
$	65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	945542	50.5094	50
	66 Toluene	91	7.027	7.027	(0.832)	922174	41.0150	1000(R)
	64 trans-1,3-Dichloropropene	75	7.406	7.405	(0.876)	137879	16.5357	410
	69 1,1,2-Trichloroethane	83	7.595	7.586	(0.899)	80149	17.8156	440
	71 Tetrachloroethene	166	7.587	7.586	(0.898)	121183	20.2478	510
	72 1,3-Dichloropropane	76	7.759	7.759	(0.918)	148249	17.2447	430
	73 2-Hexanone	43	7.842	7.842	(0.928)	42502	13.2069	330

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37897.d
Report Date: 15-Aug-2011 17:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	74 Dibromochloromethane	129	7.940	7.940	(0.940)	105832	17.8969	450
	76 Butyl Acetate	73	7.949	7.949	(0.941)	34285	32.8449	820
	77 1,2-Dibromoethane	107	8.047	8.047	(0.952)	97909	17.8218	440
*	78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	761694	50.0000	
	79 Chlorobenzene	112	8.475	8.475	(1.003)	282371	18.6022	460
	80 1,1,1,2-Tetrachloroethane	131	8.574	8.574	(1.015)	104891	19.3500	480
	81 Ethylbenzene	106	8.558	8.558	(1.013)	706715	97.6154	2400(R)
	82 m+p-Xylene	106	8.665	8.665	(1.025)	2464179	279.110	7000(R)
	84 o-Xylene	106	9.002	9.002	(1.065)	433203	47.2957	1200(R)
	85 Styrene	104	9.035	9.035	(1.069)	310844	20.4784	510
	83 Butyl Acrylate	73	9.019	9.018	(1.067)	65946	19.0807	480
	86 Bromoform	173	9.200	9.200	(1.089)	68818	18.3596	460
	87 Amyl Acetate	43	9.208	9.208	(0.892)	123445	21.8728	550
	88 Isopropylbenzene	105	9.298	9.298	(1.100)	593406	26.4357	660(R)
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	352959	48.3466	48
	90 Camphene (total)	41	9.463	9.463	(1.120)	50185	22.8746	570
	91 Bromobenzene	156	9.562	9.562	(0.926)	131822	17.8479	450
	92 1,1,2,2-Tetrachloroethane	83	9.619	9.619	(0.931)	138136	18.0572	450
	93 1,2,3-Trichloropropane	110	9.652	9.652	(0.935)	35809	16.9791	420
	95 n-Propylbenzene	91	9.628	9.627	(0.932)	824073	28.3690	710(R)
	96 2-Chlorotoluene	91	9.702	9.702	(0.939)	461325	23.9532	600
	97 1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	744905	34.9722	870(R)
	98 4-Chlorotoluene	91	9.800	9.800	(0.949)	387966	19.1555	480
	99 Butyl Methacrylate	87	9.858	9.858	(0.955)	120786	17.3174	430
	100 tert-Butylbenzene	119	9.998	9.998	(0.968)	348866	19.3883	480
	101 1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	1799655	81.9319	2000(R)
	103 sec-Butylbenzene	105	10.162	10.162	(0.984)	508776	21.3468	530
	105 1,3-Dichlorobenzene	146	10.269	10.269	(0.994)	258013	19.5041	490
	107 p-Isopropyltoluene	119	10.269	10.269	(0.994)	443492	22.2537	560
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	453217	50.0000	
	109 1,4-Dichlorobenzene	146	10.344	10.343	(1.002)	265358	18.8153	470
	110 Benzyl Chloride	91	10.459	10.459	(1.013)	212376	17.2614	430
	106 n-Butylbenzene	91	10.566	10.566	(1.023)	439416	22.2426	560
	171 Indan	117	10.500	10.500	(2.092)	862106	39.2642	980(R)
	111 1,2-Dichlorobenzene	146	10.615	10.615	(1.028)	256526	18.8366	470
	112 1,2-Dibromo-3-chloropropane	75	11.183	11.183	(1.083)	23990	17.1623	430
	113 Camphor	95	11.652	11.652	(1.128)	27931	58.1104	1400
	114 1,2,4-Trichlorobenzene	180	11.710	11.710	(1.134)	189676	19.6350	490
	115 Hexachlorobutadiene	225	11.784	11.784	(1.141)	62668	19.2666	480
	116 Naphthalene	128	11.891	11.891	(1.151)	927119	42.5007	1100(R)
	117 1,2,3-Trichlorobenzene	180	12.047	12.047	(1.167)	168470	19.3930	480
M	120 1,2-Dichloroethene (Total)	100				218566	36.1464	900
M	121 Xylene (Total)	100				2897382	326.405	8200(R)

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37897.d
Report Date: 15-Aug-2011 17:35

QC Flag Legend

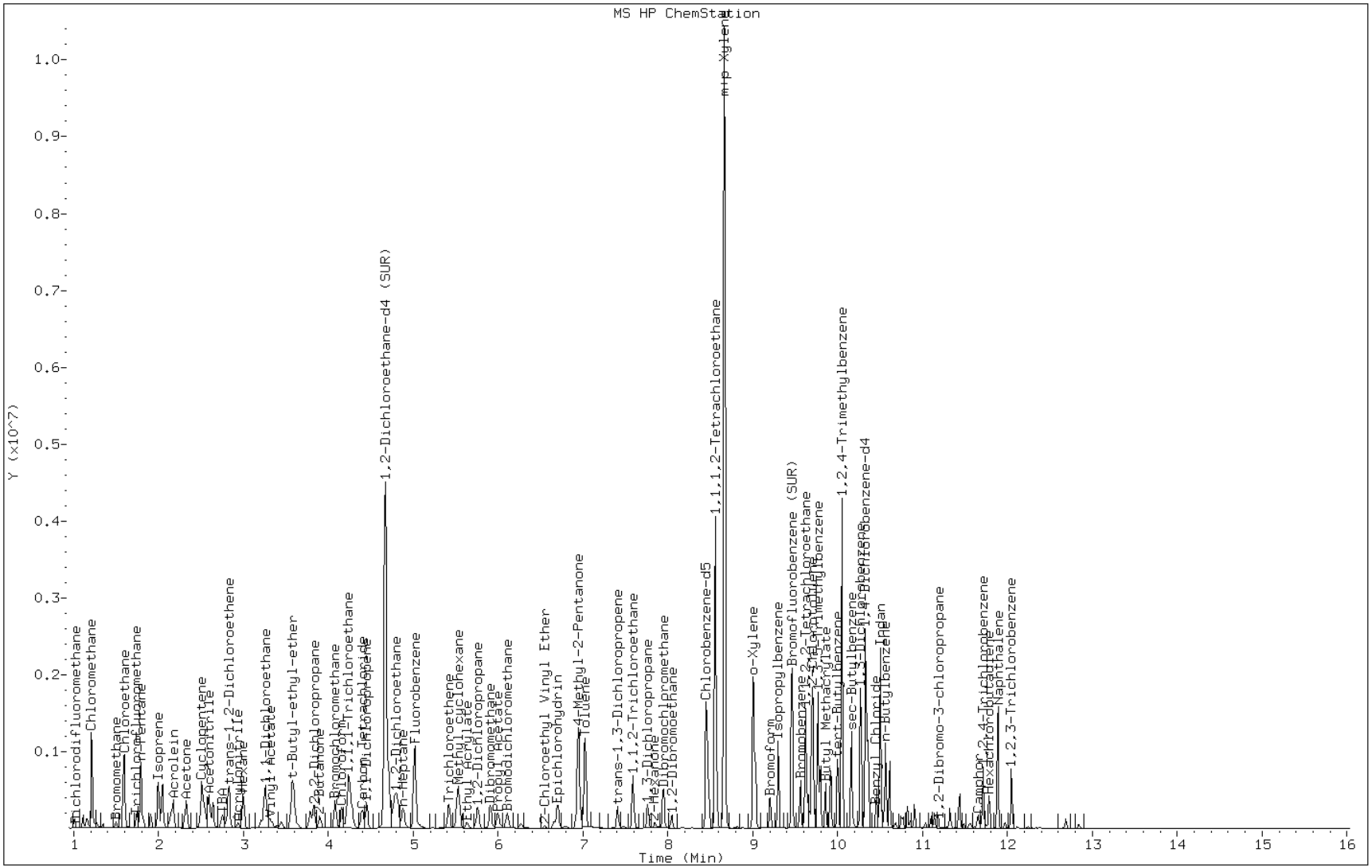
R - Spike/Surrogate failed recovery limits.

Data File: b37897.d

Date: 12-AUG-2011 14:20

Client ID: Instrument: VOAMS2.i

Sample Info: 460-29791-B-4MS;25 Operator:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 MSD | Lab Sample ID: 460-29791-4 MSD

Matrix: Water | Lab File ID: b37898.d

Analysis Method: 8260B | Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/12/2011 14:49

Soil Aliquot Vol: | Dilution Factor: 25

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 82910 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	465		25	5.3
74-83-9	Bromomethane	440		25	7.8
75-01-4	Vinyl chloride	534		25	3.3
75-00-3	Chloroethane	493		25	11
75-09-2	Methylene Chloride	520		25	4.8
67-64-1	Acetone	502		250	62
75-15-0	Carbon disulfide	487		25	3.8
75-35-4	1,1-Dichloroethene	478		25	3.5
75-34-3	1,1-Dichloroethane	494		25	2.5
156-60-5	trans-1,2-Dichloroethene	482		25	3.5
156-59-2	cis-1,2-Dichloroethene	490		25	5.0
67-66-3	Chloroform	490		25	3.8
107-06-2	1,2-Dichloroethane	512		25	6.0
78-93-3	2-Butanone	460		250	21
71-55-6	1,1,1-Trichloroethane	499		25	6.3
56-23-5	Carbon tetrachloride	521		25	4.8
75-27-4	Bromodichloromethane	474		25	2.3
78-87-5	1,2-Dichloropropane	478		25	2.3
10061-01-5	cis-1,3-Dichloropropene	464		25	2.8
79-01-6	Trichloroethene	480		25	4.5
79-00-5	1,1,2-Trichloroethane	465		25	2.5
71-43-2	Benzene	5090		25	3.3
10061-02-6	trans-1,3-Dichloropropene	434		25	3.0
75-25-2	Bromoform	460		25	2.5
108-10-1	Methyl isobutyl ketone (MIBK)	451		250	17
591-78-6	2-Hexanone	334		250	14
127-18-4	Tetrachloroethene	528		25	5.0
79-34-5	1,1,2,2-Tetrachloroethane	465		25	2.3
108-88-3	Toluene	1080		25	2.3
108-90-7	Chlorobenzene	485		25	4.0
100-41-4	Ethylbenzene	2560		25	6.3
100-42-5	Styrene	520		25	3.3
1330-20-7	Xylenes, Total	8380		75	11
179601-23-1	m&p-Xylene	7160		50	7.3
95-47-6	o-Xylene	1220		25	3.8
1634-04-4	MTBE	468		25	4.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 MSD Lab Sample ID: 460-29791-4 MSD

Matrix: Water Lab File ID: b37898.d

Analysis Method: 8260B Date Collected: 08/08/2011 15:15

Sample wt/vol: 5(mL) Date Analyzed: 08/12/2011 14:49

Soil Aliquot Vol: Dilution Factor: 25

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 82910 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1080		25	15
95-63-6	1,2,4-Trimethylbenzene	2130		25	5.0
108-67-8	1,3,5-Trimethylbenzene	932		25	4.8
74-95-3	Dibromomethane	484		25	4.8
98-82-8	Isopropylbenzene	686		25	5.3
103-65-1	N-Propylbenzene	739		25	4.5
99-87-6	p-Isopropyltoluene	579		25	4.8
135-98-8	sec-Butylbenzene	566		25	5.0
98-06-6	tert-Butylbenzene	515		25	4.5
104-51-8	n-Butylbenzene	581		25	7.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		70-122
2037-26-5	Toluene-d8 (Surr)	102		69-125
460-00-4	Bromofluorobenzene	97		69-135

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37898.d
Report Date: 15-Aug-2011 17:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37898.d
Lab Smp Id: 460-29791-B-4MSD
Inj Date : 12-AUG-2011 14:49
Operator : Inst ID: VOAMS2.i
Smp Info : 460-29791-B-4MSD;25
Misc Info :
Comment :
Method : /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/8260_09.m
Meth Date : 12-Aug-2011 09:40 moroneyc Quant Type: ISTD
Cal Date : 09-AUG-2011 00:21 Cal File: b37834.d
Als bottle: 3 QC Sample: MSD
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	25.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
2 Dichlorodifluoromethane	85	1.011	1.011	(0.201)	114754	24.4856	610
3 Chloromethane	50	1.159	1.151	(0.231)	120019	18.6117	460
4 Vinyl Chloride	62	1.233	1.233	(0.246)	115840	21.3643	530
6 Bromomethane	94	1.496	1.497	(0.298)	38681	17.5965	440
5 Chloroethane	64	1.579	1.579	(0.315)	54424	19.7099	490
7 Trichlorofluoromethane	101	1.743	1.743	(0.347)	147571	21.8954	550
8 n-Pentane	72	1.793	1.793	(0.357)	39140	89.0332	2200(R)
10 Isoprene	67	1.999	1.999	(0.398)	124948	25.5183	640
11 Ethyl Ether	59	1.999	1.999	(0.398)	70638	20.9274	520
13 Acrolein	56	2.171	2.163	(0.433)	26767	37.3955	930
15 1,1-Dichloroethene	96	2.171	2.171	(0.433)	86408	19.1001	480
14 Freon TF	101	2.147	2.147	(0.428)	84878	21.3090	530
16 Acetone	43	2.303	2.303	(0.459)	23338	20.0956	500
18 Carbon Disulfide	76	2.328	2.328	(0.464)	314040	19.4617	490
21 Acetonitrile	39	2.591	2.599	(0.516)	109426	1955.68	49000(R)
170 Cyclopentene	67	2.509	2.509	(0.500)	359543	26.6044	660(R)

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37898.d
Report Date: 15-Aug-2011 17:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	27 Methyl Acetate	43	2.542	2.550	(0.506)	318263	51.4668	1300(R)
	22 Methylene Chloride	84	2.640	2.640	(0.526)	129156	20.7809	520
	24 TBA	59	2.772	2.764	(0.552)	39719	290.078	7200
	25 trans-1,2-Dichloroethene	96	2.830	2.830	(0.564)	110278	19.2697	480
	26 Acrylonitrile	53	2.937	2.937	(0.585)	36742	21.5857	540
	28 MTBE	73	2.821	2.821	(0.562)	301490	18.7201	470
	29 Hexane	56	2.994	2.994	(0.597)	113345	32.8774	820(R)
	30 1,1-Dichloroethane	63	3.258	3.258	(0.649)	213693	19.7581	490
	31 Vinyl Acetate	43	3.307	3.307	(0.659)	164080	31.3217	780(R)
	32 DIPE	45	3.249	3.249	(0.647)	357974	19.2084	480
	35 t-Butyl-ethyl-ether	59	3.595	3.595	(0.716)	338499	18.9106	470
	37 2,2-Dichloropropane	77	3.784	3.784	(0.754)	163999	19.5325	490
	36 cis-1,2-Dichloroethene	96	3.834	3.834	(0.764)	124229	19.5936	490
	38 2-Butanone	72	3.883	3.883	(0.774)	7851	18.3827	460
	39 Ethyl Acetate	70	3.900	3.900	(0.777)	17399	32.0014	800
	40 Bromochloromethane	128	4.081	4.081	(0.813)	66423	19.6573	490
	41 Tetrahydrofuran	42	4.081	4.081	(0.813)	24656	17.9165	450
	42 Chloroform	83	4.155	4.155	(0.828)	219039	19.5916	490
	43 1,1,1-Trichloroethane	97	4.278	4.278	(0.852)	180810	19.9477	500
	44 Cyclohexane	56	4.237	4.237	(0.844)	423296	50.4417	1300(R)
	45 Carbon Tetrachloride	117	4.402	4.402	(0.877)	158440	20.8395	520
	46 1,1-Dichloropropene	75	4.451	4.451	(0.887)	164431	20.0813	500
$	47 1,2-Dichloroethane-d4 (SUR)	65	4.714	4.714	(0.939)	375042	51.5897	52
	48 Benzene	78	4.673	4.673	(0.553)	4435703	203.409	5100(R)
	49 1,2-Dichloroethane	62	4.797	4.797	(0.956)	180438	20.4862	510
	50 t-Amyl-methyl-ether	73	4.780	4.780	(0.952)	302855	19.3454	480
	61 Isopropyl Acetate	43	4.821	4.821	(0.961)	454570	36.8919	920
*	52 Fluorobenzene	96	5.019	5.019	(1.000)	1060962	50.0000	
	54 Trichloroethene	95	5.422	5.422	(1.080)	121202	19.2130	480
	56 Methyl cyclohexane	83	5.529	5.529	(1.102)	289459	37.6915	940(R)
	55 Ethyl Acrylate	55	5.636	5.636	(1.123)	103320	15.4232	380
	57 1,2-Dichloropropane	63	5.759	5.760	(1.148)	118222	19.1045	480
	58 Dibromomethane	93	5.908	5.908	(1.177)	83063	19.3739	480
	59 Methyl Methacrylate	100	5.916	5.916	(1.179)	21529	16.5280	410
	75 Propyl Acetate	43	5.998	5.998	(1.195)	232857	32.6664	820
	68 Bromodichloromethane	83	6.105	6.105	(1.216)	158005	18.9597	470
	62 2-Chloroethyl Vinyl Ether	63	6.550	6.550	(1.305)	10856	3.14298	78(R)
	63 Epichlorohydrin	57	6.657	6.657	(0.788)	95410	315.260	7900
	67 cis-1,3-Dichloropropene	75	6.698	6.698	(0.793)	170984	18.5574	460
	70 4-Methyl-2-Pentanone	43	6.920	6.920	(0.819)	87749	18.0287	450
$	65 Toluene-d8 (SUR)	98	6.945	6.945	(0.822)	958763	51.0926	51
	66 Toluene	91	7.027	7.027	(0.832)	970349	43.0539	1100(R)
	64 trans-1,3-Dichloropropene	75	7.405	7.405	(0.876)	145037	17.3524	430
	69 1,1,2-Trichloroethane	83	7.595	7.586	(0.899)	83960	18.6179	460
	71 Tetrachloroethene	166	7.586	7.586	(0.898)	126602	21.1024	530
	72 1,3-Dichloropropane	76	7.759	7.759	(0.918)	156362	18.1448	450
	73 2-Hexanone	43	7.842	7.842	(0.928)	43151	13.3764	330

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37898.d
Report Date: 15-Aug-2011 17:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	74 Dibromochloromethane	129	7.940	7.940	(0.940)	110992	18.7244	470
	76 Butyl Acetate	73	7.949	7.949	(0.941)	33613	32.1238	800
	77 1,2-Dibromoethane	107	8.047	8.047	(0.952)	100074	18.1721	450
*	78 Chlorobenzene-d5	117	8.451	8.451	(1.000)	763529	50.0000	
	79 Chlorobenzene	112	8.475	8.475	(1.003)	294999	19.3874	480
	80 1,1,1,2-Tetrachloroethane	131	8.574	8.574	(1.015)	108709	20.0061	500
	81 Ethylbenzene	106	8.558	8.558	(1.013)	741879	102.226	2600(R)
	82 m+p-Xylene	106	8.665	8.665	(1.025)	2533321	286.252	7200(R)
	84 o-Xylene	106	9.002	9.002	(1.065)	448876	48.8891	1200(R)
	85 Styrene	104	9.035	9.035	(1.069)	316217	20.7823	520
	83 Butyl Acrylate	73	9.018	9.018	(1.067)	65244	18.8322	470
	86 Bromoform	173	9.200	9.200	(1.089)	69177	18.4110	460
	87 Amyl Acetate	43	9.208	9.208	(0.892)	125139	22.5560	560
	88 Isopropylbenzene	105	9.298	9.298	(1.100)	617716	27.4525	690(R)
$	89 Bromofluorobenzene (SUR)	174	9.463	9.463	(0.916)	348034	48.4955	48
	90 Camphene (total)	41	9.463	9.463	(1.120)	49683	22.5914	560
	91 Bromobenzene	156	9.562	9.562	(0.926)	135072	18.6039	460
	92 1,1,2,2-Tetrachloroethane	83	9.619	9.619	(0.931)	139849	18.5969	460
	93 1,2,3-Trichloropropane	110	9.652	9.652	(0.935)	36173	17.4480	440
	95 n-Propylbenzene	91	9.627	9.627	(0.932)	844319	29.5681	740(R)
	96 2-Chlorotoluene	91	9.702	9.702	(0.939)	470454	24.8492	620
	97 1,3,5-Trimethylbenzene	105	9.767	9.767	(0.946)	780713	37.2865	930(R)
	98 4-Chlorotoluene	91	9.800	9.800	(0.949)	397159	19.9481	500
	99 Butyl Methacrylate	87	9.858	9.858	(0.955)	124734	18.1923	450
	100 tert-Butylbenzene	119	9.998	9.998	(0.968)	364583	20.6118	520
	101 1,2,4-Trimethylbenzene	105	10.047	10.047	(0.973)	1841644	85.2918	2100(R)
	103 sec-Butylbenzene	105	10.162	10.162	(0.984)	530627	22.6482	570
	105 1,3-Dichlorobenzene	146	10.269	10.269	(0.994)	263027	20.2266	500
	107 p-Isopropyltoluene	119	10.269	10.269	(0.994)	453800	23.1643	580
*	108 1,4-Dichlorobenzene-d4	152	10.327	10.327	(1.000)	445521	50.0000	
	109 1,4-Dichlorobenzene	146	10.343	10.343	(1.002)	270993	19.5468	490
	110 Benzyl Chloride	91	10.459	10.459	(1.013)	215580	17.8245	440
	106 n-Butylbenzene	91	10.566	10.566	(1.023)	451295	23.2385	580
	171 Indan	117	10.500	10.500	(2.092)	878858	40.1587	1000(R)
	111 1,2-Dichlorobenzene	146	10.615	10.615	(1.028)	260490	19.4581	490
	112 1,2-Dibromo-3-chloropropane	75	11.183	11.183	(1.083)	23827	17.3401	430
	113 Camphor	95	11.652	11.652	(1.128)	29085	61.5566	1500
	114 1,2,4-Trichlorobenzene	180	11.718	11.710	(1.135)	193849	20.4136	510
	115 Hexachlorobutadiene	225	11.784	11.784	(1.141)	62745	19.6235	490
	116 Naphthalene	128	11.891	11.891	(1.151)	924823	43.1278	1100(R)
	117 1,2,3-Trichlorobenzene	180	12.047	12.047	(1.167)	172986	20.2568	510
M	120 1,2-Dichloroethene (Total)	100				234507	38.8634	970
M	121 Xylene (Total)	100				2982197	335.141	8400(R)

Data File: /chem/VOAMS2.i/8260_09/08-08-11/12aug11.b/b37898.d
Report Date: 15-Aug-2011 17:36

QC Flag Legend

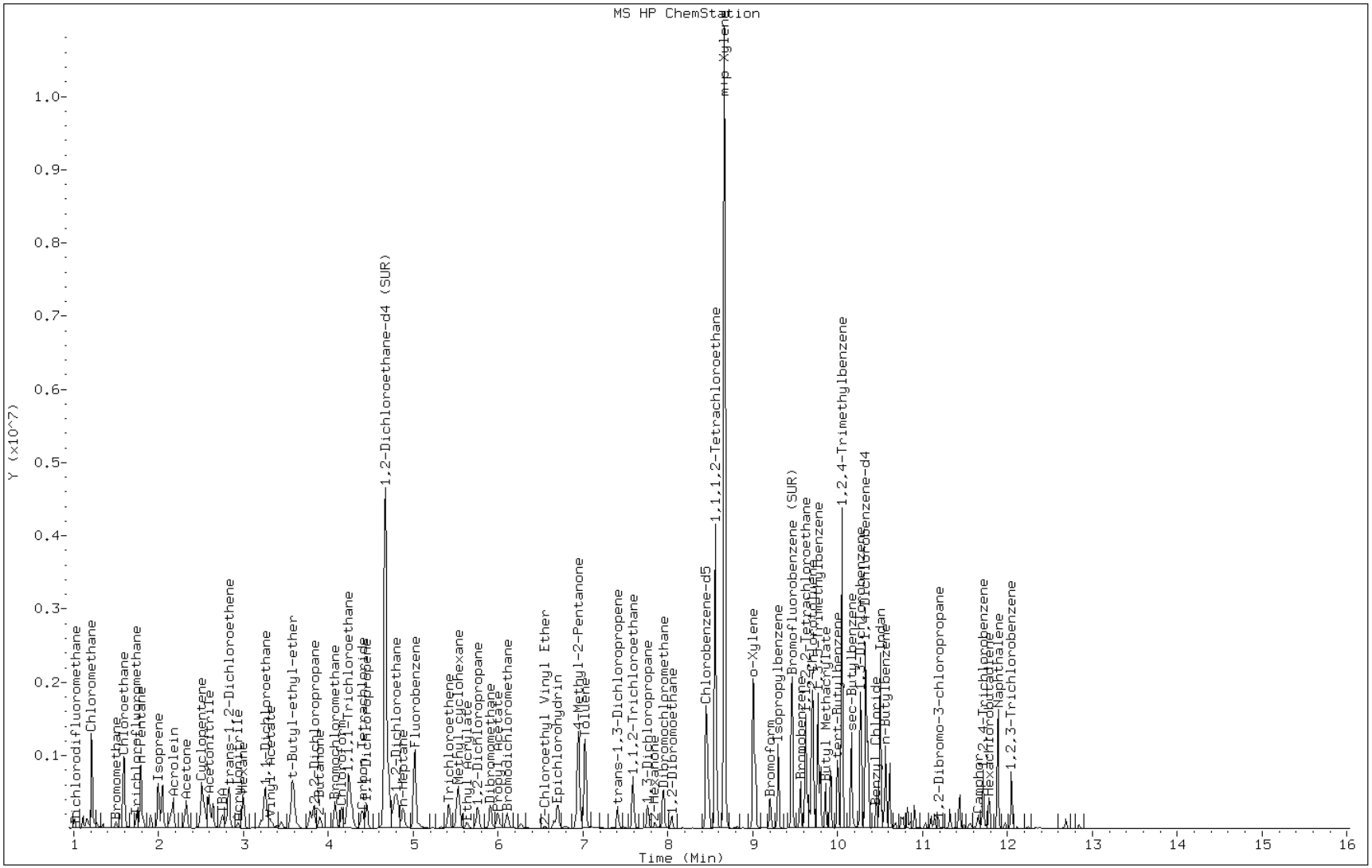
R - Spike/Surrogate failed recovery limits.

Data File: b37898.d

Date: 12-AUG-2011 14:49

Client ID: Instrument: VOAMS2.i

Sample Info: 460-29791-B-4MSD;25 Operator:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: VOAMS2 Start Date: 08/08/2011 20:29

Analysis Batch Number: 82451 End Date: 08/09/2011 03:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-82451/1		08/08/2011 20:29	1	b37826.d	Rtx-624 0.25(mm)
IC 460-82451/2		08/08/2011 21:27	1	b37828.d	Rtx-624 0.25(mm)
IC 460-82451/3		08/08/2011 22:25	1	b37830.d	Rtx-624 0.25(mm)
ICIS 460-82451/4		08/08/2011 22:54	1	b37831.d	Rtx-624 0.25(mm)
IC 460-82451/5		08/08/2011 23:23	1	b37832.d	Rtx-624 0.25(mm)
IC 460-82451/6		08/08/2011 23:52	1	b37833.d	Rtx-624 0.25(mm)
IC 460-82451/7		08/09/2011 00:21	1	b37834.d	Rtx-624 0.25(mm)
ZZZZZ		08/09/2011 03:46	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: VOAMS2 Start Date: 08/12/2011 08:24

Analysis Batch Number: 82910 End Date: 08/12/2011 19:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-82910/1		08/12/2011 08:24	1	b37888.d	Rtx-624 0.25(mm)
CCVIS 460-82910/2		08/12/2011 09:23	1	b37890.d	Rtx-624 0.25(mm)
LCS 460-82910/3		08/12/2011 12:08	1	b37893.d	Rtx-624 0.25(mm)
MB 460-82910/4		08/12/2011 13:22	1	b37895.d	Rtx-624 0.25(mm)
460-29791-4	MW-SE-7	08/12/2011 13:51	25	b37896.d	Rtx-624 0.25(mm)
460-29791-4 MS	MW-SE-7 MS	08/12/2011 14:20	25	b37897.d	Rtx-624 0.25(mm)
460-29791-4 MSD	MW-SE-7 MSD	08/12/2011 14:49	25	b37898.d	Rtx-624 0.25(mm)
ZZZZZ		08/12/2011 15:46	1		Rtx-624 0.25(mm)
ZZZZZ		08/12/2011 16:15	1		Rtx-624 0.25(mm)
ZZZZZ		08/12/2011 16:44	1		Rtx-624 0.25(mm)
460-29791-7	Trip Blank	08/12/2011 17:13	1	b37903.d	Rtx-624 0.25(mm)
460-29791-1	MW-SE-10	08/12/2011 17:42	1	b37904.d	Rtx-624 0.25(mm)
460-29791-2	MW-SE-9	08/12/2011 18:11	1	b37905.d	Rtx-624 0.25(mm)
460-29791-3	MW-SE-11	08/12/2011 18:40	1	b37906.d	Rtx-624 0.25(mm)
460-29791-6	MW-X	08/12/2011 19:09	1	b37907.d	Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: VOAMS2 Start Date: 08/15/2011 06:04

Analysis Batch Number: 83056 End Date: 08/15/2011 17:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-83056/1		08/15/2011 06:04	1	b37910.d	Rtx-624 0.25(mm)
CCVIS 460-83056/2		08/15/2011 07:34	1	b37913.d	Rtx-624 0.25(mm)
LCS 460-83056/3		08/15/2011 08:46	1	b37915.d	Rtx-624 0.25(mm)
MB 460-83056/4		08/15/2011 09:58	1	b37917.d	Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 10:27	1		Rtx-624 0.25(mm)
460-29791-5	MW-SE-8	08/15/2011 10:56	1	b37919.d	Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 11:26	5		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 11:55	5		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 12:56	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 13:25	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 13:54	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 14:23	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 14:52	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 15:21	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 15:50	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 16:19	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 16:48	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 17:17	1		Rtx-624 0.25(mm)
ZZZZZ		08/15/2011 17:46	1		Rtx-624 0.25(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
MW-SE-10	460-29791-1	43	25	101	94	91	86
MW-SE-9	460-29791-2	42	24	98	91	91	82
MW-SE-11	460-29791-3	41	24	94	87	97	87
MW-SE-7	460-29791-4	7 *	30	104	96	96	103
MW-SE-8	460-29791-5	42	25	100	91	102	85
MW-X	460-29791-6	41	24	94	87	95	82
	MB 460-82769/1-A	51	31	102	92	92	82
	LCS 460-82769/2-A	52	30	95	85	84	87
	LCSD 460-82769/3-A	50	28	91	85	83	82

	QC LIMITS
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: x17134.d

Lab ID: LCS 460-82769/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	100	89.8	90	63-101	
Acenaphthylene	100	88.7	89	67-107	
Acenaphthene	100	94.2	94	66-108	
Fluorene	100	85.6	86	68-105	
Phenanthrene	100	91.5	92	68-110	
Anthracene	100	90.5	90	68-108	
Fluoranthene	100	88.3	88	68-108	
Pyrene	100	91.4	91	61-110	
Benzo[a]anthracene	100	90.7	91	65-106	
Chrysene	100	89.5	90	68-112	
Benzo[b]fluoranthene	100	99.2	99	65-111	
Benzo[k]fluoranthene	100	92.0	92	66-114	
Benzo[a]pyrene	100	93.8	94	58-101	
Indeno[1,2,3-cd]pyrene	100	83.4	83	68-121	
Dibenz(a,h)anthracene	100	99.1	99	67-124	
Benzo[g,h,i]perylene	100	93.9	94	65-134	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Matrix: Water Level: Low Lab File ID: x17135.d

Lab ID: LCSD 460-82769/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Naphthalene	100	88.2	88	2	30	63-101	
Acenaphthylene	100	86.1	86	3	30	67-107	
Acenaphthene	100	89.8	90	5	30	66-108	
Fluorene	100	83.5	84	2	30	68-105	
Phenanthrene	100	89.8	90	2	30	68-110	
Anthracene	100	89.2	89	1	30	68-108	
Fluoranthene	100	89.4	89	1	30	68-108	
Pyrene	100	86.7	87	5	30	61-110	
Benzo[a]anthracene	100	87.4	87	4	30	65-106	
Chrysene	100	85.8	86	4	30	68-112	
Benzo[b]fluoranthene	100	92.3	92	7	30	65-111	
Benzo[k]fluoranthene	100	93.3	93	1	30	66-114	
Benzo[a]pyrene	100	90.0	90	4	30	58-101	
Indeno[1,2,3-cd]pyrene	100	82.4	82	1	30	68-121	
Dibenz(a,h)anthracene	100	94.8	95	4	30	67-124	
Benzo[g,h,i]perylene	100	94.1	94	0	30	65-134	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: x17131.d Lab Sample ID: MB 460-82769/1-A

Matrix: Water Date Extracted: 08/11/2011 13:46

Instrument ID: BNAMS5 Date Analyzed: 08/12/2011 12:00

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-82769/2-A	x17134.d	08/12/2011 13:14
	LCSD 460-82769/3-A	x17135.d	08/12/2011 13:38
MW-SE-10	460-29791-1	x17136.d	08/12/2011 14:01
MW-SE-9	460-29791-2	x17137.d	08/12/2011 14:25
MW-SE-11	460-29791-3	x17138.d	08/12/2011 14:49
MW-SE-8	460-29791-5	x17140.d	08/12/2011 15:36
MW-X	460-29791-6	x17141.d	08/12/2011 16:00
MW-SE-7	460-29791-4	x17166.d	08/14/2011 19:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: x16885.d DFTPP Injection Date: 08/02/2011

Instrument ID: BNAMS5 DFTPP Injection Time: 12:18

Analysis Batch No.: 81929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.6	
68	Less than 2.0 % of mass 69	0.6	(1.8)1
69	Mass 69 relative abundance	33.6	
70	Less than 2.0 % of mass 69	0.3	(0.8)1
127	40.0 - 60.0 % of mass 198	46.4	
197	Less than 1.0 % of mass 198	0.7	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.4	
275	10.0 - 30.0 % of mass 198	26.0	
365	Greater than 1.0 % of mass 198	4.0	
441	Present but less than mass 443	13.9	
442	Greater than 40.0 % of mass 198	94.4	
443	17.0 - 23.0 % of mass 442	18.2	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-81929/2	x16886.d	08/02/2011	12:45
	IC 460-81929/3	x16887.d	08/02/2011	13:08
	IC 460-81929/4	x16888.d	08/02/2011	13:32
	IC 460-81929/5	x16889.d	08/02/2011	13:56
	IC 460-81929/6	x16890.d	08/02/2011	14:20
	IC 460-81929/7	x16891.d	08/02/2011	14:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: x17123.d DFTPP Injection Date: 08/12/2011

Instrument ID: BNAMS5 DFTPP Injection Time: 08:47

Analysis Batch No.: 83011

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	44.0	
68	Less than 2.0 % of mass 69	0.6	(1.5)1
69	Mass 69 relative abundance	37.2	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	48.0	
197	Less than 1.0 % of mass 198	0.5	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	24.5	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	11.1	
442	Greater than 40.0 % of mass 198	79.6	
443	17.0 - 23.0 % of mass 442	15.4	(19.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-83011/2	x17124.d	08/12/2011	09:04
	MB 460-82769/1-A	x17131.d	08/12/2011	12:00
	LCS 460-82769/2-A	x17134.d	08/12/2011	13:14
	LCSD 460-82769/3-A	x17135.d	08/12/2011	13:38
MW-SE-10	460-29791-1	x17136.d	08/12/2011	14:01
MW-SE-9	460-29791-2	x17137.d	08/12/2011	14:25
MW-SE-11	460-29791-3	x17138.d	08/12/2011	14:49
MW-SE-8	460-29791-5	x17140.d	08/12/2011	15:36
MW-X	460-29791-6	x17141.d	08/12/2011	16:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab File ID: x17142.d DFTPP Injection Date: 08/14/2011

Instrument ID: BNAMS5 DFTPP Injection Time: 09:36

Analysis Batch No.: 83098

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	46.0	
68	Less than 2.0 % of mass 69	0.6	(1.5)1
69	Mass 69 relative abundance	38.5	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	49.0	
197	Less than 1.0 % of mass 198	0.5	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	24.4	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	11.6	
442	Greater than 40.0 % of mass 198	81.2	
443	17.0 - 23.0 % of mass 442	15.5	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-83098/2	x17143.d	08/14/2011	10:05
MW-SE-7	460-29791-4	x17166.d	08/14/2011	19:33

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-83011/2 Date Analyzed: 08/12/2011 09:04

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x17124.d Heated Purge: (Y/N) N

Calibration ID: 11740

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		464129	4.40	1693765	5.68	782410	7.43
UPPER LIMIT		928258	4.90	3387530	6.18	1564820	7.93
LOWER LIMIT		232065	3.90	846883	5.18	391205	6.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-82769/1-A		389435	4.39	1427189	5.68	679776	7.43
LCS 460-82769/2-A		484641	4.40	1736570	5.68	825774	7.43
LCSD 460-82769/3-A		418847	4.40	1505531	5.68	711479	7.43
460-29791-1	MW-SE-10	357611	4.39	1280642	5.68	586082	7.43
460-29791-2	MW-SE-9	351038	4.39	1109822	5.68	570675	7.43
460-29791-3	MW-SE-11	392959	4.39	1423754	5.68	701038	7.43
460-29791-5	MW-SE-8	368118	4.40	1314922	5.68	689214	7.43
460-29791-6	MW-X	390341	4.39	1411705	5.68	676622	7.43

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-83011/2 Date Analyzed: 08/12/2011 09:04

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x17124.d Heated Purge: (Y/N) N

Calibration ID: 11740

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1043138	8.90	515981	11.68	375911	13.60
UPPER LIMIT		2086276	9.40	1031962	12.18	751822	14.10
LOWER LIMIT		521569	8.40	257991	11.18	187956	13.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-82769/1-A		910705	8.89	534148	11.67	403631	13.60
LCS 460-82769/2-A		1045523	8.90	520832	11.68	405606	13.60
LCSD 460-82769/3-A		911612	8.90	485914	11.68	379935	13.60
460-29791-1	MW-SE-10	742189	8.89	432646	11.67	371397	13.60
460-29791-2	MW-SE-9	723086	8.89	429340	11.67	365930	13.60
460-29791-3	MW-SE-11	992563	8.89	564796	11.67	405559	13.60
460-29791-5	MW-SE-8	969950	8.89	603641	11.67	443346	13.60
460-29791-6	MW-X	935011	8.89	572821	11.67	434259	13.60

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-83098/2 Date Analyzed: 08/14/2011 10:05

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x17143.d Heated Purge: (Y/N) N

Calibration ID: 11740

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		281879	4.39	969647	5.68	445509	7.43
UPPER LIMIT		563758	4.89	1939294	6.18	891018	7.93
LOWER LIMIT		140940	3.89	484824	5.18	222755	6.93
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-29791-4	MW-SE-7	431069	4.41	1488426	5.68	750861	7.43

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Sample No.: CCVIS 460-83098/2 Date Analyzed: 08/14/2011 10:05

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm)

Lab File ID (Standard): x17143.d Heated Purge: (Y/N) N

Calibration ID: 11740

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		592922	8.90	384103	11.68	353278	13.60
UPPER LIMIT		1185844	9.40	768206	12.18	706556	14.10
LOWER LIMIT		296461	8.40	192052	11.18	176639	13.10
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-29791-4	MW-SE-7	977783	8.89	515869	11.67	360964	13.60

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-10 | Lab Sample ID: 460-29791-1

Matrix: Water | Lab File ID: x17136.d

Analysis Method: 8270C | Date Collected: 08/08/2011 10:50

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 14:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10	U	10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	101		56-112
4165-62-2	Phenol-d5	25		10-48
1718-51-0	Terphenyl-d14	86		50-122
118-79-6	2,4,6-Tribromophenol	91		46-122
367-12-4	2-Fluorophenol	43		10-65
321-60-8	2-Fluorobiphenyl	94		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17136.d
Report Date: 15-Aug-2011 02:58

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17136.d
Lab Smp Id: 460-29791-E-1-A Client Smp ID: MW-SE-10
Inj Date : 12-AUG-2011 14:01
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-E-1-A
Misc Info : 460-29791-E-1-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.111	3.117	(0.708)	244644	21.4802	43
$ 17 Phenol-d5 (SUR)	99	4.017	4.047	(0.914)	160021	12.2585	24
* 79 1,4-Dichlorobenzene-d4	152	4.394	4.399	(1.000)	357611	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.952	4.964	(0.873)	575400	50.4491	100
* 80 Naphthalene-d8	136	5.676	5.682	(1.000)	1280642	40.0000	
31 Naphthalene	128	5.699	5.705	(1.004)	12404	0.37710	0.75(a)
34 2-Methylnaphthalene	142	6.393	6.399	(1.126)	5653	0.26533	0.53(a)
120 1-Methylnaphthalene	142	6.487	6.499	(1.143)	3258	0.15413	0.31(a)
$ 77 2-Fluorobiphenyl (SUR)	172	6.758	6.764	(0.910)	991361	46.9844	94
* 82 Acenaphthene-d10	164	7.429	7.435	(1.000)	586082	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	133279	45.4594	91
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	742189	40.0000	
$ 78 Terphenyl-d14	244	10.475	10.470	(0.898)	636648	43.1281	86
* 81 Chrysene-d12	240	11.669	11.675	(1.000)	432646	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	371397	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17136.d
Report Date: 15-Aug-2011 02:58

QC Flag Legend

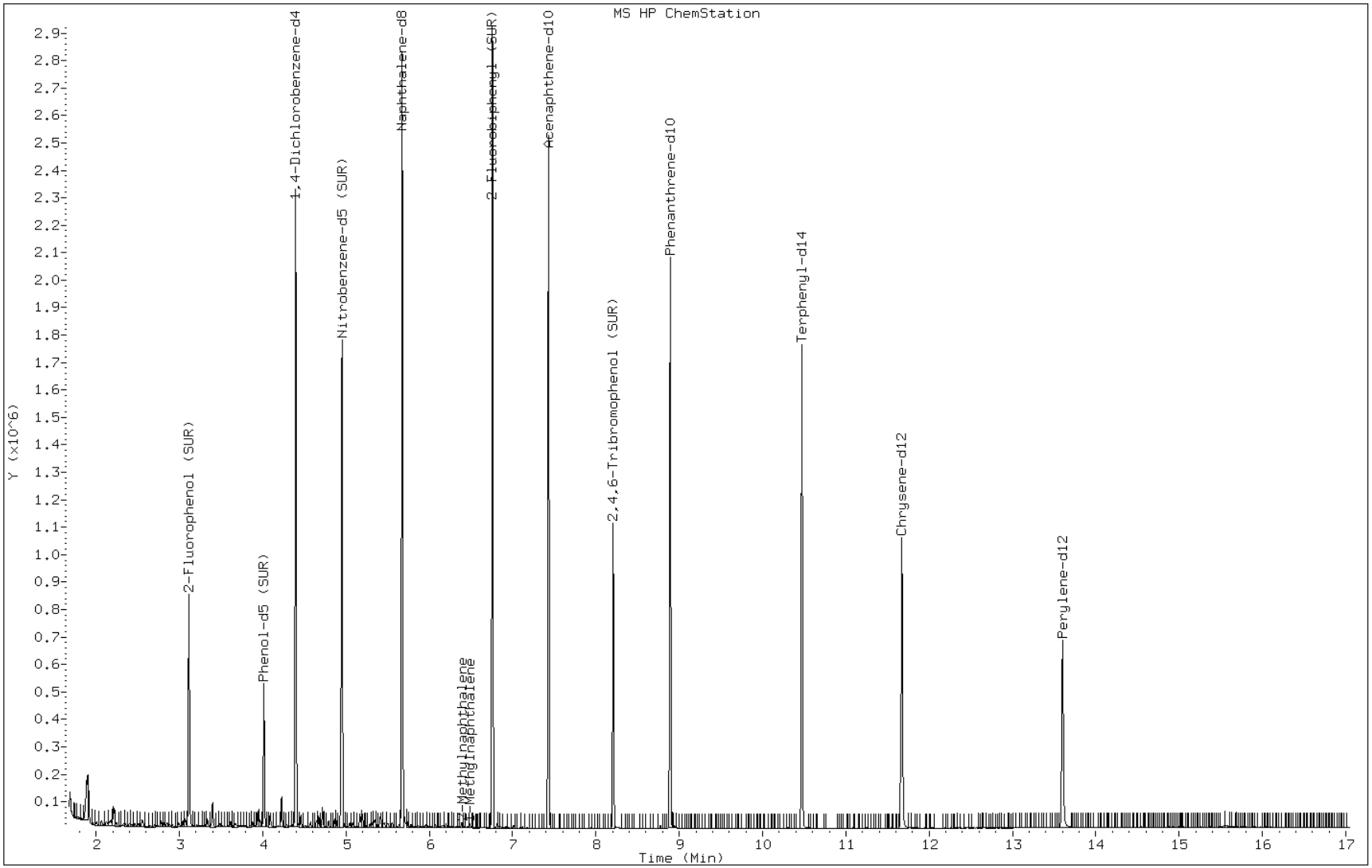
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: x17136.d

Date: 12-AUG-2011 14:01

Client ID: MW-SE-10 Instrument: BNAMS5.i

Sample Info: 460-29791-E-1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-9 | Lab Sample ID: 460-29791-2

Matrix: Water | Lab File ID: x17137.d

Analysis Method: 8270C | Date Collected: 08/08/2011 12:25

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 14:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10	U	10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	98		56-112
4165-62-2	Phenol-d5	24		10-48
1718-51-0	Terphenyl-d14	82		50-122
118-79-6	2,4,6-Tribromophenol	91		46-122
367-12-4	2-Fluorophenol	42		10-65
321-60-8	2-Fluorobiphenyl	91		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17137.d
Report Date: 15-Aug-2011 02:59

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17137.d
Lab Smp Id: 460-29791-E-2-A Client Smp ID: MW-SE-9
Inj Date : 12-AUG-2011 14:25
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-E-2-A
Misc Info : 460-29791-E-2-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.111	3.117	(0.708)	235695	21.0820	42
$ 17 Phenol-d5 (SUR)	99	4.017	4.047	(0.914)	153714	11.9958	24
* 79 1,4-Dichlorobenzene-d4	152	4.393	4.399	(1.000)	351038	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.958	4.964	(0.873)	486253	49.1949	98
* 80 Naphthalene-d8	136	5.682	5.682	(1.000)	1109822	40.0000	
34 2-Methylnaphthalene	142	6.393	6.399	(1.125)	45142	2.44494	4.9(a)
120 1-Methylnaphthalene	142	6.493	6.499	(1.143)	394345	21.5269	43
$ 77 2-Fluorobiphenyl (SUR)	172	6.758	6.764	(0.910)	939265	45.7172	91
125 1,3-Dimethylnaphthalene	156	7.093	7.105	(0.955)	49697	3.36133	6.7(aH)
* 82 Acenaphthene-d10	164	7.428	7.435	(1.000)	570675	40.0000	
42 Acenaphthene	154	7.458	7.470	(1.004)	5596	0.27651	0.55(a)
43 Dibenzofuran	168	7.628	7.640	(1.027)	2395	0.10549	0.21(a)
47 Fluorene	166	7.970	7.976	(1.073)	4445	0.25655	0.51(a)
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	130206	45.6102	91
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	723086	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17137.d
Report Date: 15-Aug-2011 02:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
52 Phenanthrene	178	8.911	8.923	(1.002)	6276	0.29749	0.59(a)
$ 78 Terphenyl-d14	244	10.469	10.470	(0.897)	602965	41.1608	82
* 81 Chrysene-d12	240	11.669	11.675	(1.000)	429340	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	365930	40.0000	

QC Flag Legend

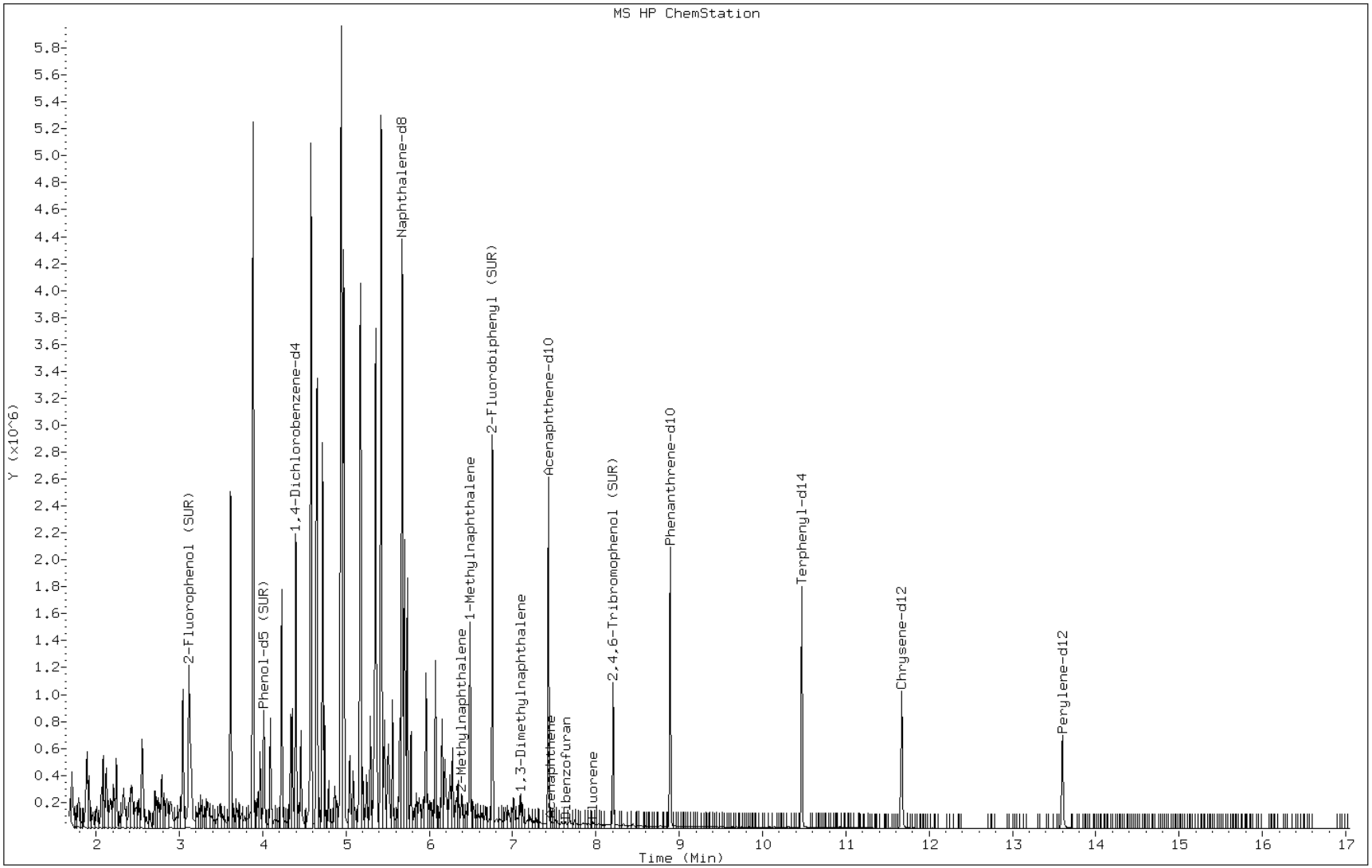
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: x17137.d

Date: 12-AUG-2011 14:25

Client ID: MW-SE-9 Instrument: BNAMS5.i

Sample Info: 460-29791-E-2-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-11 | Lab Sample ID: 460-29791-3

Matrix: Water | Lab File ID: x17138.d

Analysis Method: 8270C | Date Collected: 08/08/2011 13:43

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 14:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10	U	10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		56-112
4165-62-2	Phenol-d5	24		10-48
1718-51-0	Terphenyl-d14	87		50-122
118-79-6	2,4,6-Tribromophenol	97		46-122
367-12-4	2-Fluorophenol	41		10-65
321-60-8	2-Fluorobiphenyl	87		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17138.d
Report Date: 14-Aug-2011 12:16

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17138.d
Lab Smp Id: 460-29791-E-3-A Client Smp ID: MW-SE-11
Inj Date : 12-AUG-2011 14:49
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-E-3-A
Misc Info : 460-29791-E-3-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

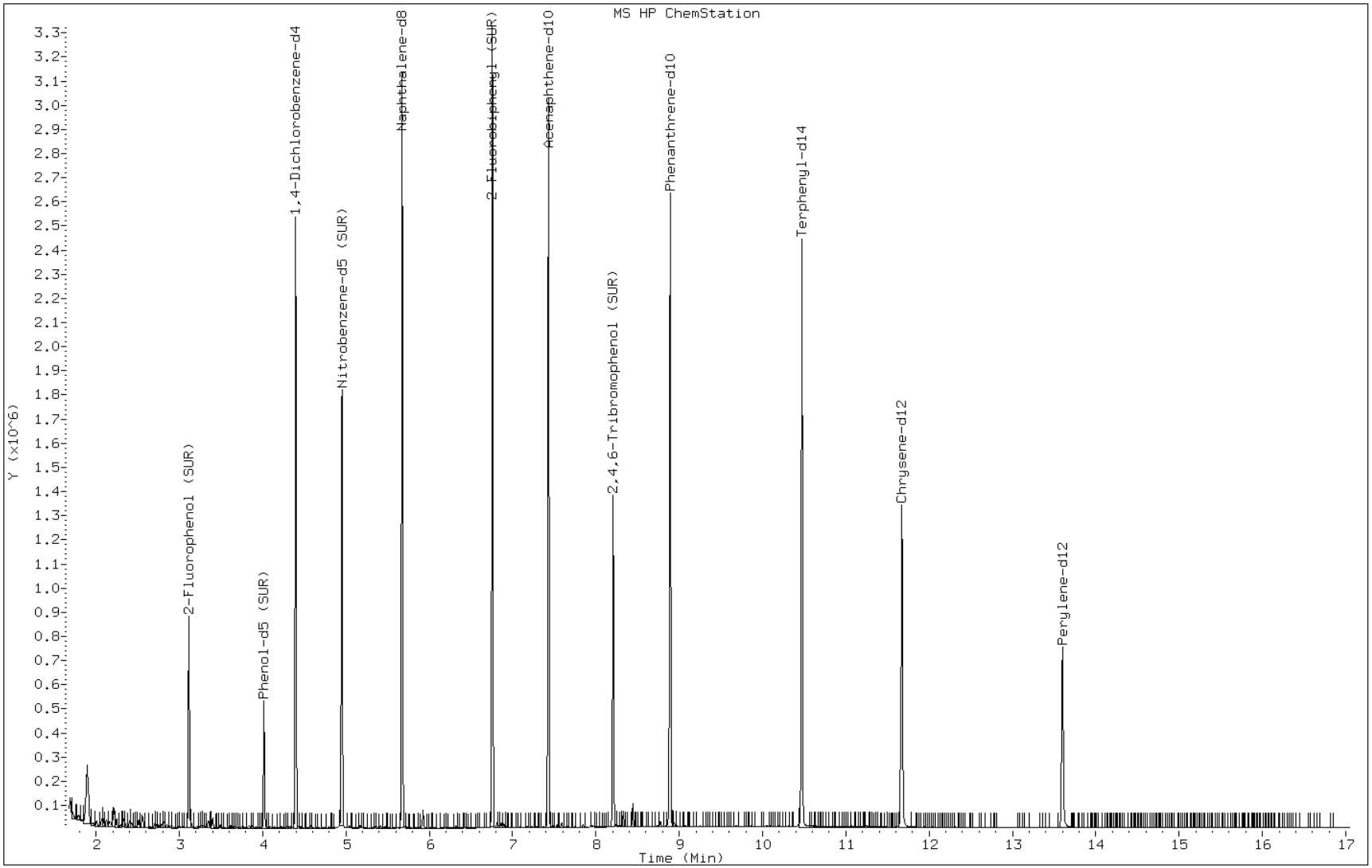
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.111	3.117	(0.708)	254495	20.3351	41
$ 17 Phenol-d5 (SUR)	99	4.017	4.047	(0.914)	170502	11.8865	24
* 79 1,4-Dichlorobenzene-d4	152	4.394	4.399	(1.000)	392959	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.952	4.964	(0.873)	598696	47.2153	94
* 80 Naphthalene-d8	136	5.676	5.682	(1.000)	1423754	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.758	6.764	(0.910)	1101090	43.6276	87
* 82 Acenaphthene-d10	164	7.429	7.435	(1.000)	701038	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	170519	48.6241	97
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	992563	40.0000	
$ 78 Terphenyl-d14	244	10.476	10.470	(0.898)	842674	43.7282	87
* 81 Chrysene-d12	240	11.670	11.675	(1.000)	564796	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	405559	40.0000	

Data File: x17138.d

Date: 12-AUG-2011 14:49

Client ID: MW-SE-11 Instrument: BNAMS5.i

Sample Info: 460-29791-E-3-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-7 | Lab Sample ID: 460-29791-4

Matrix: Water | Lab File ID: x17166.d

Analysis Method: 8270C | Date Collected: 08/08/2011 15:15

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/14/2011 19:33

Con. Extract Vol.: 2(mL) | Dilution Factor: 2

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83098 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	400		20	7.3
208-96-8	Acenaphthylene	20	U	20	8.1
83-32-9	Acenaphthene	20	U	20	7.5
86-73-7	Fluorene	20	U	20	6.5
85-01-8	Phenanthrene	20	U	20	7.1
120-12-7	Anthracene	20	U	20	7.1
206-44-0	Fluoranthene	20	U	20	5.3
129-00-0	Pyrene	20	U	20	8.5
56-55-3	Benzo[a]anthracene	2.0	U	2.0	0.54
218-01-9	Chrysene	20	U	20	7.5
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.42
207-08-9	Benzo[k]fluoranthene	2.0	U	2.0	0.60
50-32-8	Benzo[a]pyrene	2.0	U	2.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.24
53-70-3	Dibenz(a,h)anthracene	2.0	U	2.0	0.32
191-24-2	Benzo[g,h,i]perylene	20	U	20	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	104		56-112
4165-62-2	Phenol-d5	30		10-48
1718-51-0	Terphenyl-d14	103		50-122
118-79-6	2,4,6-Tribromophenol	96		46-122
367-12-4	2-Fluorophenol	7	*	10-65
321-60-8	2-Fluorobiphenyl	96		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17166.d
Report Date: 15-Aug-2011 16:57

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17166.d
Lab Smp Id: 460-29791-D-4-A Client Smp ID: MW-SE-7
Inj Date : 14-AUG-2011 19:33
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-D-4-A
Misc Info : 460-29791-D-4-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/8270C_08SP.m
Meth Date : 14-Aug-2011 10:26 asfawa Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 25
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.099	3.106	(0.704)	22637	1.64887	6.6(aRH)
$ 17 Phenol-d5 (SUR)	99	4.035	4.029	(0.916)	116494	7.40335	30
1 Phenol	94	4.046	4.047	(0.919)	61921	3.69898	15(a)
* 79 1,4-Dichlorobenzene-d4	152	4.405	4.394	(1.000)	431069	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.952	4.952	(0.872)	343362	25.9022	100
6 2,4-Dimethylphenol	122	5.340	5.341	(0.940)	63415	5.58917	22
* 80 Naphthalene-d8	136	5.682	5.682	(1.000)	1488426	40.0000	
31 Naphthalene	128	5.711	5.699	(1.005)	3824218	100.032	400
34 2-Methylnaphthalene	142	6.393	6.394	(1.125)	836409	33.7778	140
120 1-Methylnaphthalene	142	6.493	6.494	(1.143)	389558	15.8564	63
$ 77 2-Fluorobiphenyl (SUR)	172	6.758	6.764	(0.910)	649358	24.0217	96
125 1,3-Dimethylnaphthalene	156	7.093	7.099	(0.955)	24520	1.26046	5.0(a)
* 82 Acenaphthene-d10	164	7.428	7.435	(1.000)	750861	40.0000	
42 Acenaphthene	154	7.458	7.464	(1.004)	3077	0.11542	0.46(aH)
43 Dibenzofuran	168	7.628	7.635	(1.027)	3129	0.10475	0.42(a)

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17166.d
Report Date: 15-Aug-2011 16:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	47 Fluorene	166	7.970	7.976	(1.073)	3355	0.14717	0.59(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.205	8.211	(1.105)	90007	23.9628	96
*	83 Phenanthrene-d10	188	8.893	8.899	(1.000)	977783	40.0000	
	52 Phenanthrene	178	8.917	8.923	(1.003)	10263	0.35976	1.4(a)
	54 Carbazole	167	9.117	9.129	(1.025)	20446	0.86040	3.4(a)
	56 Fluoranthene	202	10.087	10.093	(1.134)	3209	0.12957	0.52(a)
$	78 Terphenyl-d14	244	10.469	10.476	(0.897)	451174	25.6329	100
*	81 Chrysene-d12	240	11.669	11.676	(1.000)	515869	40.0000	
*	84 Perylene-d12	264	13.599	13.605	(1.000)	360964	40.0000	

QC Flag Legend

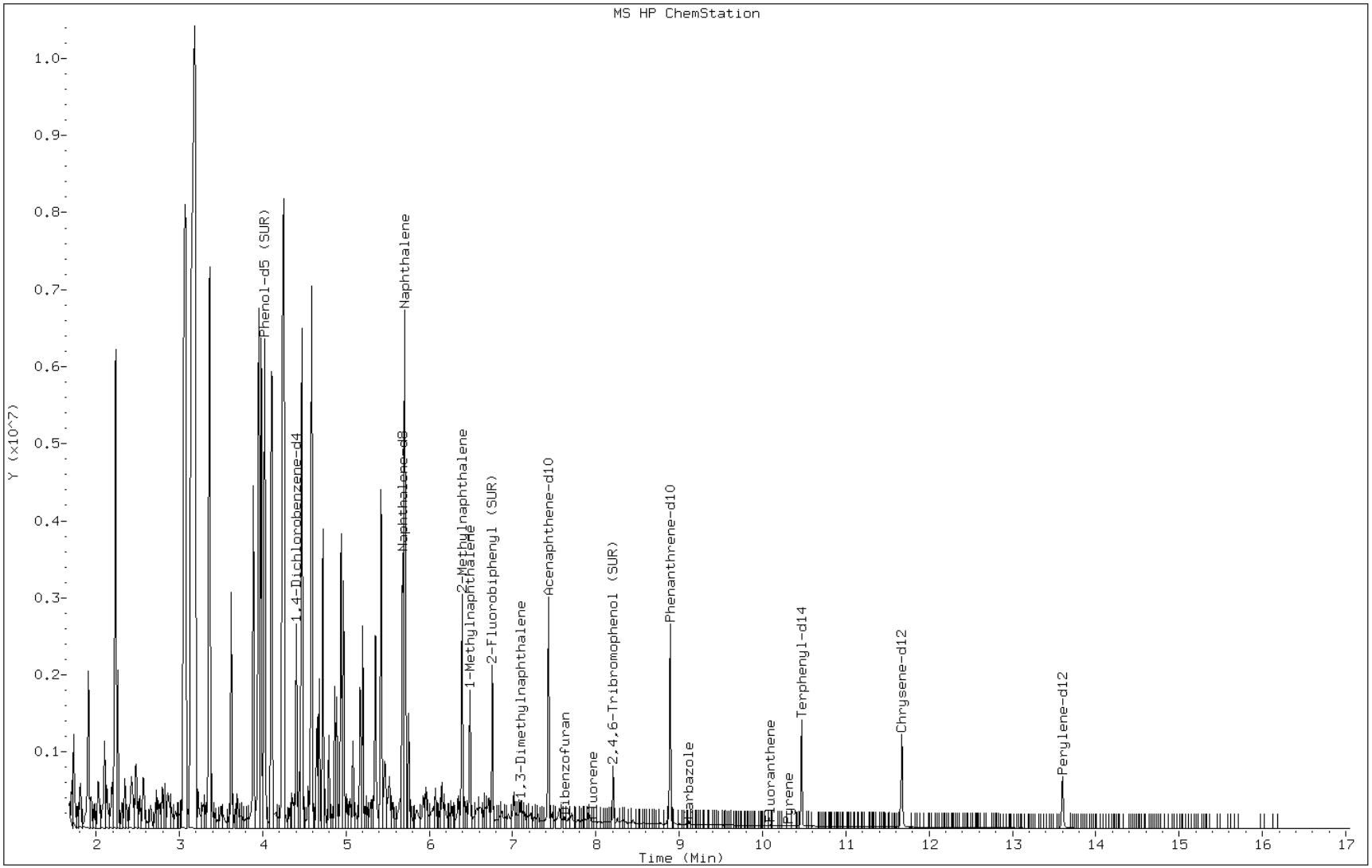
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: x17166.d

Date: 14-AUG-2011 19:33

Client ID: MW-SE-7 Instrument: BNAMS5.i

Sample Info: 460-29791-D-4-A Operator: BNAMS 4



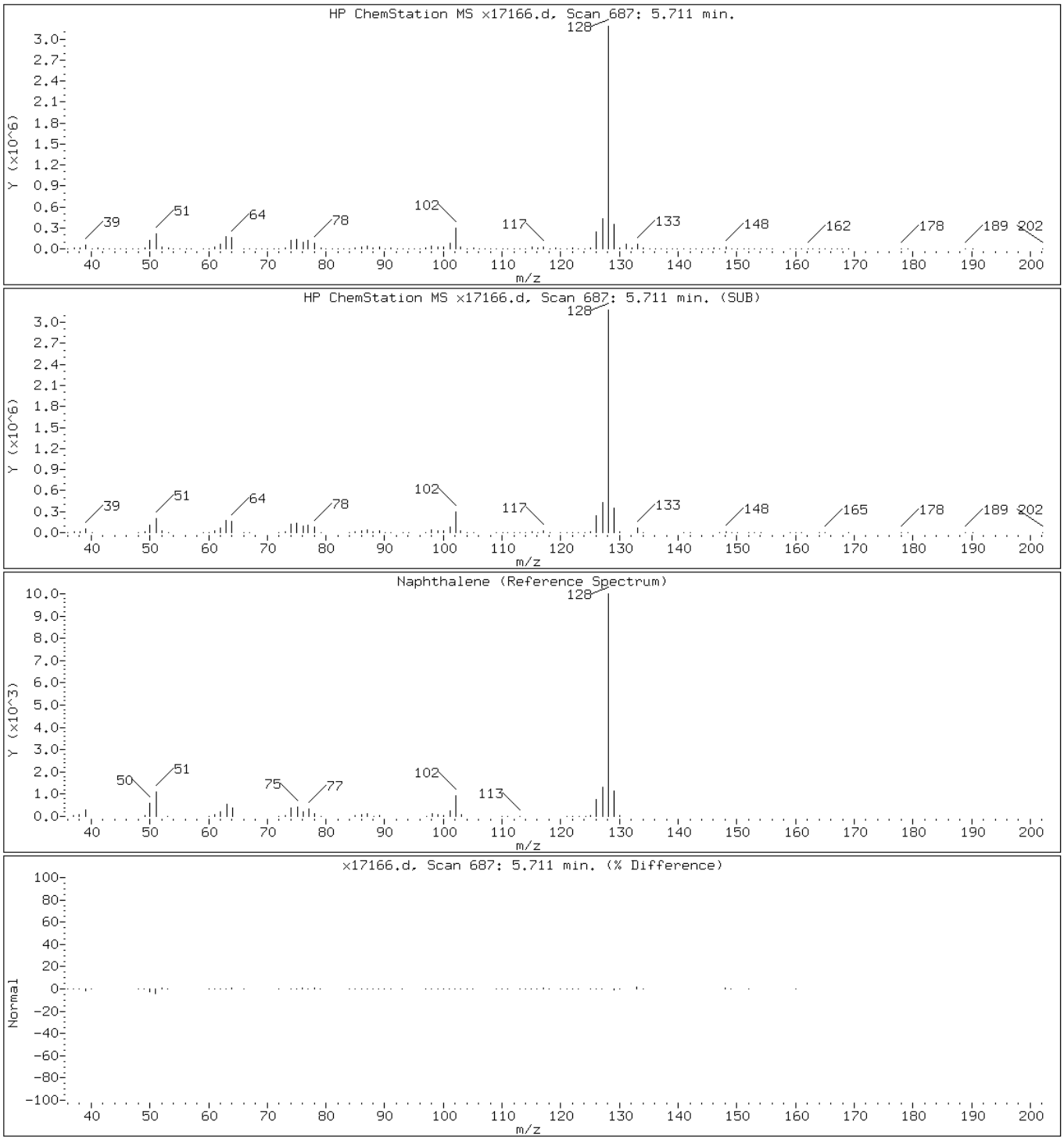
Data File: x17166.d

Date: 14-AUG-2011 19:33

Client ID: MW-SE-7 Instrument: BNAMS5.i

Sample Info: 460-29791-D-4-A Operator: BNAMS 4

31 Naphthalene



Manual Integration Report

Data File: x17166.d
Inj. Date and Time: 14-AUG-2011 19:33
Instrument ID: BNAMS5.i
Client ID: MW-SE-7
Compound: 57 Pyrene
CAS #: 129-00-0
Report Date: 08/15/2011

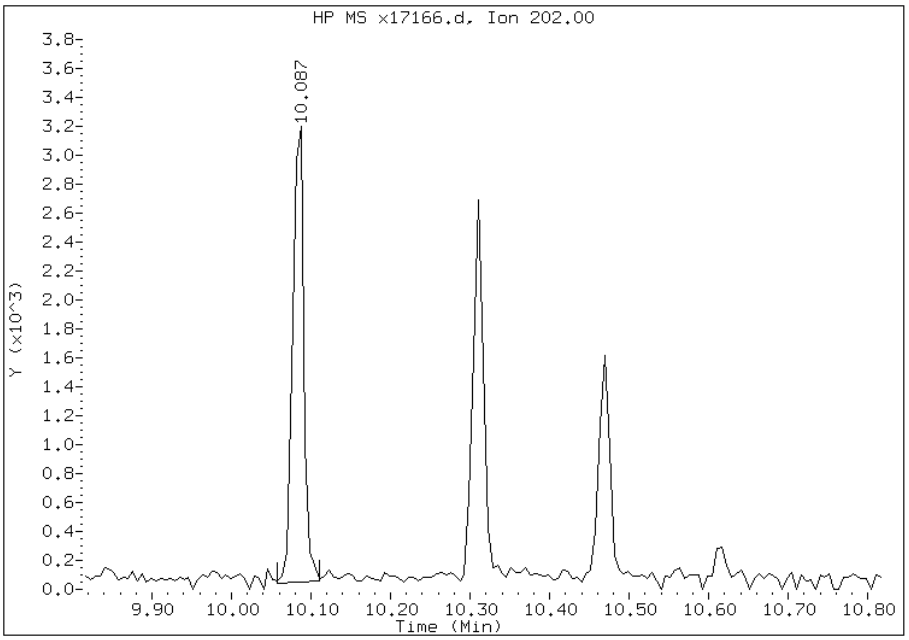
Processing Integration Results

RT: 10.09

Response: 3209

Amount: 0

Conc: 1



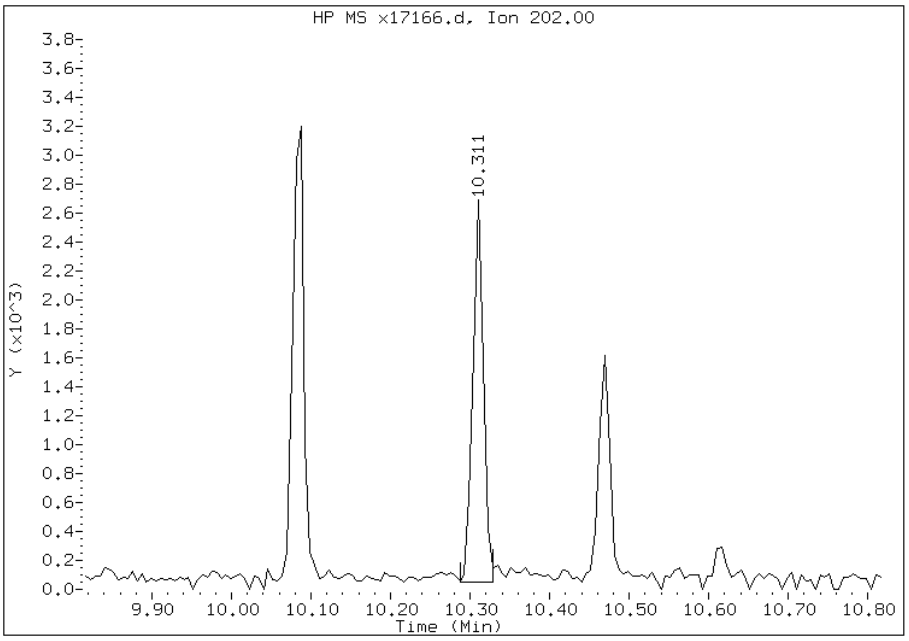
Manual Integration Results

RT: 10.31

Response: 2407

Amount: 0

Conc: 0



Manually Integrated By: wahied
Manual Integration Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-SE-8 Lab Sample ID: 460-29791-5

Matrix: Water Lab File ID: x17140.d

Analysis Method: 8270C Date Collected: 08/08/2011 16:25

Extract. Method: 3510C Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) Date Analyzed: 08/12/2011 15:36

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	62		10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	100		56-112
4165-62-2	Phenol-d5	25		10-48
1718-51-0	Terphenyl-d14	85		50-122
118-79-6	2,4,6-Tribromophenol	102		46-122
367-12-4	2-Fluorophenol	42		10-65
321-60-8	2-Fluorobiphenyl	91		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17140.d
Report Date: 14-Aug-2011 12:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17140.d
Lab Smp Id: 460-29791-D-5-A Client Smp ID: MW-SE-8
Inj Date : 12-AUG-2011 15:36
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-D-5-A
Misc Info : 460-29791-D-5-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.117	3.117	(0.709)	248890	21.2293	42
$ 17 Phenol-d5 (SUR)	99	4.023	4.047	(0.914)	165009	12.2798	24
1 Phenol	94	4.041	4.058	(0.918)	13282	0.92911	1.8(a)
* 79 1,4-Dichlorobenzene-d4	152	4.399	4.399	(1.000)	368118	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.958	4.964	(0.873)	582754	49.7619	100
* 80 Naphthalene-d8	136	5.682	5.682	(1.000)	1314922	40.0000	
31 Naphthalene	128	5.699	5.705	(1.003)	1050697	31.1101	62
34 2-Methylnaphthalene	142	6.393	6.399	(1.125)	422218	19.3009	39
120 1-Methylnaphthalene	142	6.493	6.499	(1.143)	330006	15.2048	30
$ 77 2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.911)	1123974	45.2983	90
125 1,3-Dimethylnaphthalene	156	7.093	7.105	(0.955)	18901	1.05852	2.1(a)
* 82 Acenaphthene-d10	164	7.429	7.435	(1.000)	689214	40.0000	
42 Acenaphthene	154	7.458	7.470	(1.004)	9565	0.39168	0.78(a)
43 Dibenzofuran	168	7.629	7.640	(1.027)	7991	0.29143	0.58(a)
47 Fluorene	166	7.970	7.976	(1.073)	8441	0.40339	0.81(a)

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17140.d
Report Date: 14-Aug-2011 12:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	176307	51.1370	100
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	969950	40.0000	
52 Phenanthrene	178	8.917	8.923	(1.003)	12308	0.43493	0.87(a)
53 Anthracene	178	8.964	8.970	(1.008)	4285	0.14994	0.30(a)
54 Carbazole	167	9.123	9.129	(1.026)	12893	0.54694	1.1(a)
56 Fluoranthene	202	10.087	10.093	(1.134)	6721	0.27356	0.55(a)
57 Pyrene	202	10.311	10.317	(0.884)	5135	0.17630	0.35(a)
$ 78 Terphenyl-d14	244	10.476	10.470	(0.898)	877598	42.6099	85
* 81 Chrysene-d12	240	11.670	11.675	(1.000)	603641	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	443346	40.0000	

QC Flag Legend

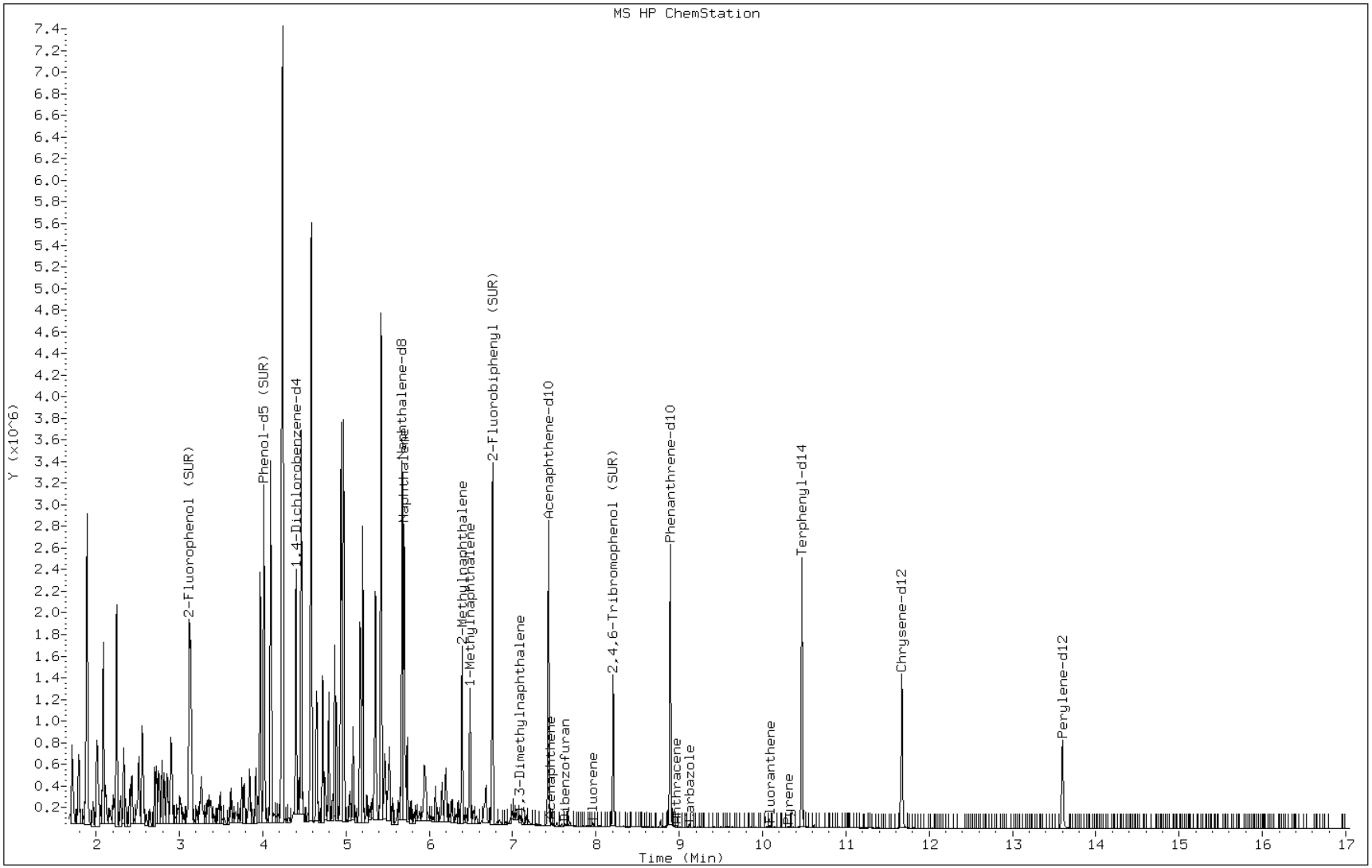
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: x17140.d

Date: 12-AUG-2011 15:36

Client ID: MW-SE-8 Instrument: BNAMS5.i

Sample Info: 460-29791-D-5-A Operator: BNAMS 4



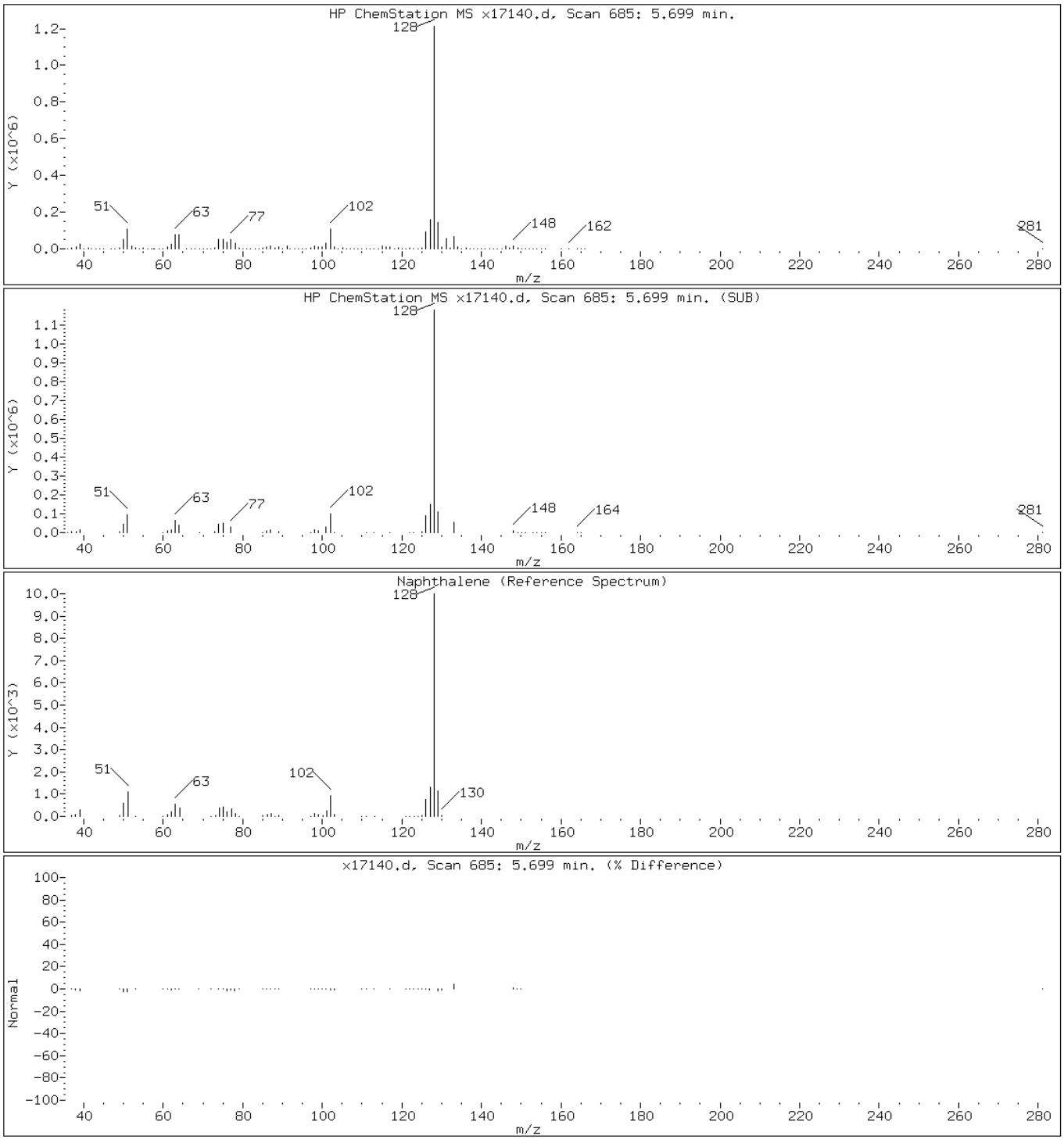
Data File: x17140.d

Date: 12-AUG-2011 15:36

Client ID: MW-SE-8 Instrument: BNAMS5.i

Sample Info: 460-29791-D-5-A Operator: BNAMS 4

31 Naphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: MW-X | Lab Sample ID: 460-29791-6

Matrix: Water | Lab File ID: x17141.d

Analysis Method: 8270C | Date Collected: 08/08/2011 16:05

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 16:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10	U	10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		56-112
4165-62-2	Phenol-d5	24		10-48
1718-51-0	Terphenyl-d14	82		50-122
118-79-6	2,4,6-Tribromophenol	95		46-122
367-12-4	2-Fluorophenol	41		10-65
321-60-8	2-Fluorobiphenyl	87		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17141.d
Report Date: 14-Aug-2011 12:24

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17141.d
Lab Smp Id: 460-29791-D-6-A Client Smp ID: MW-X
Inj Date : 12-AUG-2011 16:00
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : 460-29791-D-6-A
Misc Info : 460-29791-D-6-A
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.117	3.117	(0.709)	252409	20.3037	41
$ 17 Phenol-d5 (SUR)	99	4.017	4.047	(0.914)	168489	11.8249	24
* 79 1,4-Dichlorobenzene-d4	152	4.394	4.399	(1.000)	390341	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.952	4.964	(0.873)	590678	46.9806	94
* 80 Naphthalene-d8	136	5.676	5.682	(1.000)	1411705	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.758	6.764	(0.910)	1058213	43.4417	87
* 82 Acenaphthene-d10	164	7.429	7.435	(1.000)	676622	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	161289	47.6517	95
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	935011	40.0000	
$ 78 Terphenyl-d14	244	10.475	10.470	(0.898)	800563	40.9610	82
* 81 Chrysene-d12	240	11.670	11.675	(1.000)	572821	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	434259	40.0000	

Data File: x17141.d

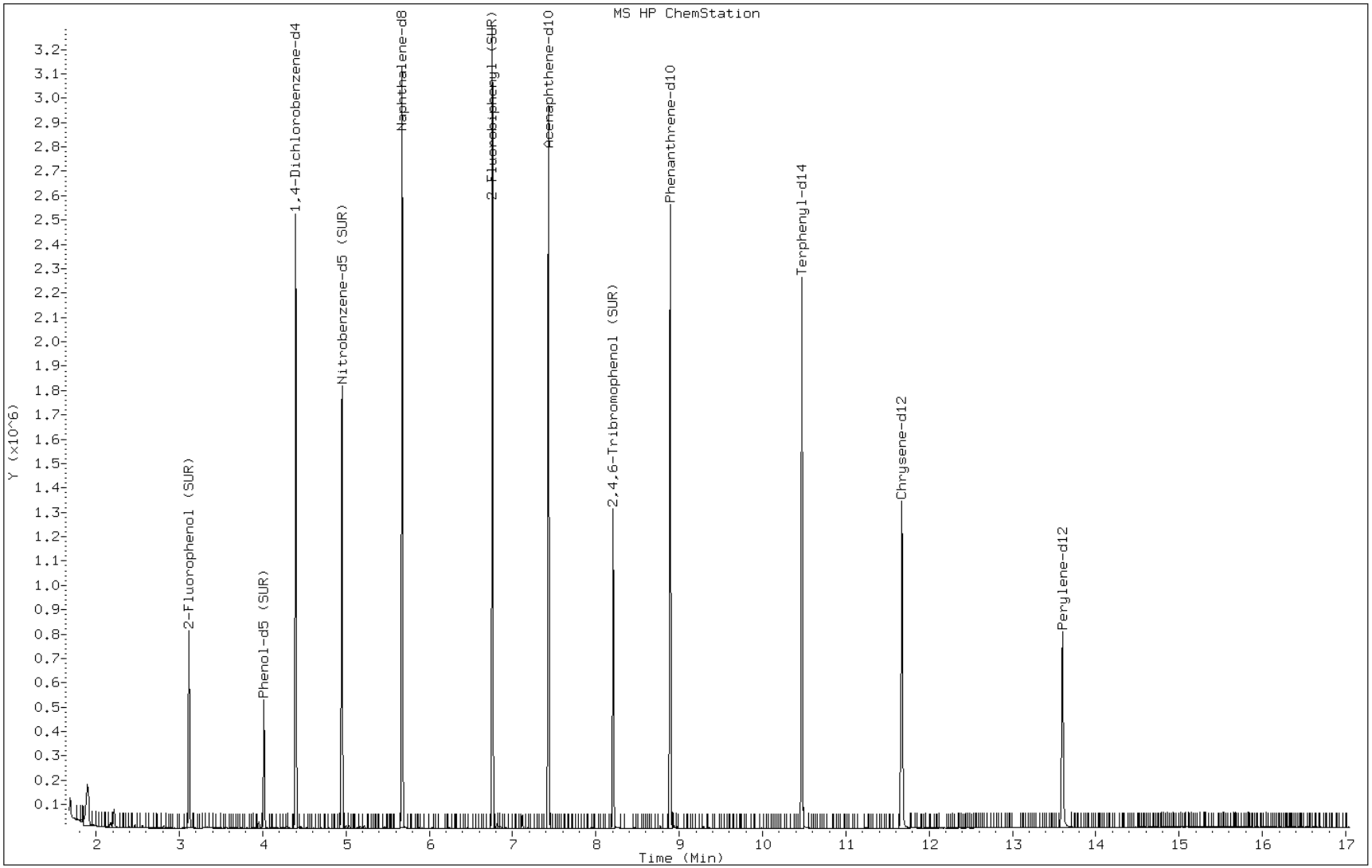
Date: 12-AUG-2011 16:00

Client ID: MW-X

Instrument: BNAMS5.i

Sample Info: 460-29791-D-6-A

Operator: BNAMS 4



FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-81929/4	x16888.d
Level 2	IC 460-81929/7	x16891.d
Level 3	IC 460-81929/6	x16890.d
Level 4	ICIS 460-81929/2	x16886.d
Level 5	IC 460-81929/5	x16889.d
Level 6	IC 460-81929/3	x16887.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.4850 0.5036	0.5143	0.5033	0.4674	0.4537	Ave		0.4879				4.8		15.0			
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.2201	+++++	Ave		0.2201						15.0			
N-Nitrosodimethylamine	0.6782 0.6356	0.6910	0.6816	0.6573	0.6388	Ave		0.6637				3.5		15.0			
Pyridine	1.2593 1.0940	1.2765	1.2451	1.1502	1.1213	Ave		1.1911				6.6		15.0			
Benzaldehyde	1.0035 0.0972	0.8945	0.7983	0.2846	0.1711	Ave		0.5416				74.1	*	15.0			
Phenol	1.8091 1.3111	1.6654	1.5896	1.5667	1.3782	Ave		1.5533				11.8		30.0			
Aniline	2.0863 1.6439	2.0432	1.9787	1.9484	1.7804	Ave		1.9135				8.8		15.0			
Bis(2-chloroethyl)ether	1.5259 1.2557	1.4268	1.4148	1.3316	1.2817	Ave		1.3727				7.4		15.0			
2-Chlorophenol	1.5993 1.1451	1.5182	1.4624	1.4170	1.2558	Ave		1.3996				12.1		15.0			
Decane	1.9996 1.2794	1.9455	1.8780	1.5869	1.3169	QuaF		0.5236	0.0701						0.9959		0.9900
1,3-Dichlorobenzene	1.8402 1.3908	1.8232	1.7977	1.6090	1.4726	Ave		1.6556				11.7		15.0			
1,4-Dichlorobenzene	1.8346 1.3386	1.7964	1.8099	1.5942	1.4221	Ave		1.6326				13.2		30.0			
Benzyl alcohol	0.8858 0.7163	0.7562	0.7745	0.8666	0.7891	Ave		0.7981				8.2		15.0			
1,2-Dichlorobenzene	1.7312 1.2498	1.7142	1.6874	1.5312	1.3729	Ave		1.5478				12.9		15.0			
2-Methylphenol	1.3072 0.9187	1.2159	1.1379	1.1766	1.0215	Ave		1.1296				12.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.4713 1.5006	2.3985	2.3177	2.1616	1.7679	QuaF		0.2560	0.0892						0.9971		0.9900
o-Toluidine	3.1556 2.1727	2.8102	2.5578	2.5975	2.2691	Ave		2.5938				13.9		15.0			
3 & 4 Methylphenol	1.4345 0.8820	1.2426	1.1384	1.1068	0.9264	QuaF		0.7677	0.1416						0.9975		0.9900
4-Methylphenol	1.4345 0.8820	1.2426	1.1295	1.1063	0.9265	QuaF		0.7701	0.1406						0.9975		0.9900
Acetophenone	1.9721 1.1247	1.7761	1.5502	1.4621	1.2663	QuaF		0.4918	0.1171						0.9994		0.9900
N-Nitrosodi-n-propylamine	0.9303 0.5873	0.8765	0.8034	0.7993	0.6684	QuaF		0.8559	0.4752		0.0500				0.9981		0.9900
Hexachloroethane	0.7328 0.5220	0.6752	0.6776	0.6032	0.5523	Ave		0.6272				13.0		15.0			
Nitrobenzene	0.5191 0.3534	0.5120	0.4920	0.4328	0.3870	QuaF		1.8117	0.9658						0.9999		0.9900
n,n'-Dimethylaniline	1.8418 1.3961	2.1245	2.0420	1.8390	1.5540	QuaF		0.3860	0.0791						0.9992		0.9900
Isophorone	0.6556 0.5369	0.6152	0.5804	0.5907	0.5461	Ave		0.5875				7.5		15.0			
2-Nitrophenol	0.2294 0.1900	0.2206	0.2144	0.2134	0.1975	Ave		0.2109				6.9		30.0			
2,4-Dimethylphenol	0.3471 0.2666	0.3153	0.3099	0.3150	0.2756	Ave		0.3049				9.7		15.0			
Bis(2-chloroethoxy)methane	0.4361 0.3352	0.4177	0.4038	0.3913	0.3552	Ave		0.3899				9.8		15.0			
Benzoic acid	0.1789 0.1806	0.1955	0.1889	0.1989	0.1799	Ave		0.1871				4.6		15.0			
2,4-Dichlorophenol	0.3223 0.2364	0.2970	0.2863	0.2844	0.2493	Ave		0.2793				11.3		30.0			
1,2,4-Trichlorobenzene	0.3741 0.2724	0.3579	0.3579	0.3181	0.2918	Ave		0.3287				12.5		15.0			
Naphthalene	1.1844 0.8273	1.1446	1.1078	0.9990	0.9013	Ave		1.0274				13.9		15.0			
4-Chloroaniline	0.4586 0.3351	0.4340	0.4077	0.4044	0.3531	Ave		0.3988				11.8		15.0			
Hexachlorobutadiene	0.2131 0.1492	0.1987	0.2008	0.1740	0.1596	Ave		0.1825				13.9		30.0			
Caprolactam	0.0995 0.0828	0.0921	0.0765	0.0965	0.0818	Ave		0.0882				10.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2589 0.2269	0.2157	0.2082	0.2588	0.2230	Ave		0.2319				9.4		30.0			
2-Methylnaphthalene	0.7731 0.5403	0.7362	0.6996	0.6570	0.5865	Ave		0.6655				13.4		15.0			
1-Methylnaphthalene	0.7679 0.5546	0.7096	0.6720	0.6688	0.5886	Ave		0.6602				11.8		15.0			
Hexachlorocyclopentadiene	0.4396 0.3009	0.3899	0.4221	0.3526	0.3334	Ave		0.3731			0.0500	14.3		15.0			
1,2,4,5-Tetrachlorobenzene	0.6895 0.4567	0.6412	0.6545	0.5399	0.5132	QuaF		1.4114	0.5609						0.9994		0.9900
2-tertbutyl-4-methylphenol	0.5000 0.3715	0.4419	0.4176	0.4502	0.3881	Ave		0.4282				10.8		15.0			
2,4,6-Trichlorophenol	0.4261 0.3869	0.4071	0.3964	0.4093	0.3931	Ave		0.4031				3.5		30.0			
2,4,5-Trichlorophenol	0.4285 0.3672	0.4012	0.3914	0.4137	0.3830	Ave		0.3975				5.5		15.0			
Diphenyl	1.9099 1.2718	1.8245	1.7425	1.5358	1.4424	QuaF		0.4946	0.0749						0.9994		0.9900
2-Chloronaphthalene	1.4136 0.9888	1.3607	1.3766	1.1874	1.1021	Ave		1.2382				13.9		15.0			
Diphenyl ether	0.9675 0.7310	0.9455	0.9522	0.8386	0.7970	Ave		0.8720				11.2		15.0			
2-Nitroaniline	0.3769 0.3129	0.4055	0.3866	0.3828	0.3681	Ave		0.3721				8.5		15.0			
Dimethylnaphthalene, total	1.1717 0.8722	1.1245	1.0996	1.0006	0.9493	Ave		1.0363				11.1		15.0			
Dimethyl phthalate	1.3845 1.1225	1.3563	1.2355	1.2407	1.1759	Ave		1.2526				8.1		15.0			
Coumarin	0.2305 0.1900	0.2104	0.1774	0.2137	0.1861	Ave		0.2014				10.0		15.0			
2,6-Dinitrotoluene	0.2877 0.2788	0.3093	0.2852	0.3036	0.2893	Ave		0.2923				4.0		15.0			
Acenaphthylene	2.1806 1.5944	2.0629	2.0090	1.8002	1.7284	Ave		1.8959				11.8		15.0			
3-Nitroaniline	0.3518 0.3088	0.3327	0.3083	0.3258	0.3171	Ave		0.3241				5.1		15.0			
3,5-di-tert-butyl-4-hydroxytol	1.1900 0.8446	1.1122	1.1101	0.9803	0.9224	Ave		1.0266				12.9		15.0			
Acenaphthene	1.4595 0.9029	1.3579	1.2897	1.0827	1.0033	QuaF		0.7035	0.1490						0.9998		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1410 0.1740	0.1428	0.1319	0.1738	0.1749	Ave		0.1564			0.0500	12.7		15.0			
4-Nitrophenol	0.1946 0.1875	0.1690	0.1507	0.1875	0.1886	Ave		0.1797			0.0500	9.2		15.0			
2,4-Dinitrotoluene	0.3777 0.3137	0.3834	0.3384	0.3647	0.3441	Ave		0.3537				7.5		15.0			
Dibenzofuran	1.8566 1.2731	1.7746	1.6720	1.5388	1.4331	Ave		1.5914				13.8		15.0			
1-Naphthylamine	1.1622 0.9108	1.0240	0.9681	1.0261	0.9722	Ave		1.0106				8.5		30.0			
2,3,4,6-Tetrachlorophenol	0.3073 0.2643	0.2733	0.2575	0.2971	0.2808	Ave		0.2801				6.8		30.0			
2-Naphthylamine	1.2097 0.9533	1.0931	1.0125	1.0991	1.0017	Ave		1.0616				8.6		15.0			
Diethyl phthalate	1.3430 1.0768	1.2795	1.1273	1.1939	1.1275	Ave		1.1913				8.6		15.0			
4-Chlorophenyl phenyl ether	0.6932 0.4383	0.6588	0.5869	0.5304	0.4724	QuaF		1.5314	0.5782						0.9997		0.9900
Fluorene	1.4267 0.9747	1.3766	1.2809	1.1642	1.0635	Ave		1.2144				14.7		15.0			
4-Nitroaniline	0.3092 0.2764	0.2981	0.2632	0.2876	0.2820	Ave		0.2861				5.7		15.0			
4,6-Dinitro-2-methylphenol	0.1424 0.1503	0.1440	0.1379	0.1533	0.1487	Ave		0.1461				3.9		15.0			
N-Nitrosodiphenylamine	0.7189 0.5640	0.6873	0.6315	0.6166	0.5776	Ave		0.6326				9.6		30.0			
1,2-Diphenylhydrazine	0.9122 0.8568	1.0812	1.0983	0.9824	0.8685	Ave		0.9666				10.9		15.0			
4-Bromophenyl phenyl ether	0.2737 0.2244	0.2807	0.2780	0.2542	0.2311	Ave		0.2570				9.6		15.0			
Hexachlorobenzene	0.3215 0.2488	0.3078	0.3040	0.2822	0.2566	Ave		0.2868				10.2		15.0			
Atrazine	0.2382 0.1941	0.2225	0.2029	0.2172	0.2008	Ave		0.2126				7.7		15.0			
Pentachlorophenol	0.1634 0.1642	0.1525	0.1460	0.1771	0.1682	Ave		0.1619				6.9		30.0			
n-Octadecane	0.7445 0.5179	0.7547	0.7651	0.6749	0.5682	QuaF		1.0932	0.5443						0.9989		0.9900
Phenanthrene	1.3042 0.9893	1.2645	1.2528	1.1430	1.0484	Ave		1.1670				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Anthracene	1.3067 0.9976	1.2889	1.2726	1.1539	1.0515	Ave		1.1785				11.2		15.0			
Carbazole	1.0923 0.8595	1.0231	0.9996	0.9587	0.8997	Ave		0.9721				8.7		15.0			
Di-n-butyl phthalate	1.4220 1.1097	1.3520	1.2528	1.2620	1.1548	Ave		1.2589				9.3		15.0			
Fluoranthene	1.1513 0.8711	1.0796	1.0206	0.9977	0.9589	Ave		1.0132				9.6		30.0			
Benzidine	0.2317 0.0756	0.2924	0.2598	0.1050	0.1089	Ave		0.1789				52.0	*	15.0			
Pyrene	1.9556 1.8987	2.0159	1.9445	1.9691	1.7967	Ave		1.9301				3.9		15.0			
Butyl benzyl phthalate	0.7479 0.8178	0.7731	0.7181	0.8002	0.7953	Ave		0.7754				4.8		15.0			
Carbamazepine	0.3315 0.5547	0.3532	0.4171	0.4832	0.5423	LinF		0.5422							0.9928		0.9900
3,3'-Dichlorobenzidine	0.4136 0.3522	0.3830	0.3776	0.3463	0.3505	Ave		0.3706				7.0		15.0			
Benzo[a]anthracene	1.4779 1.2499	1.2671	1.2742	1.2677	1.2539	Ave		1.2985				6.8		15.0			
Bis(2-ethylhexyl) phthalate	1.0154 1.0786	1.0366	0.9349	1.0689	1.0662	Ave		1.0334				5.2		15.0			
Chrysene	1.2364 1.1412	1.2393	1.2520	1.1770	1.1503	Ave		1.1994				4.1		15.0			
Di-n-octyl phthalate	1.6379 1.7585	1.7280	1.4368	1.8001	1.9521	Ave		1.7189				10.0		30.0			
Benzo[b]fluoranthene	0.9919 1.1900	1.2103	1.1897	1.1942	1.2327	Ave		1.1682				7.5		15.0			
Benzo[k]fluoranthene	1.3307 1.2018	1.3565	1.3349	1.3253	1.2216	Ave		1.2951				5.1		15.0			
Benzo[a]pyrene	0.8303 0.9622	0.9753	0.9842	0.9906	0.9614	Ave		0.9507				6.3		30.0			
Indeno[1,2,3-cd]pyrene	0.5565 0.9430	0.7447	0.8786	0.9561	0.9215	LinF		0.9370							0.9991		0.9900
Dibenz(a,h)anthracene	0.6111 0.8978	0.7946	0.9377	0.9164	0.8778	Ave		0.8392				14.6		15.0			
Benzo[g,h,i]perylene	0.7512 0.9052	0.8215	0.9394	0.9153	0.8732	Ave		0.8676				8.1		15.0			
2-Fluorophenol	1.4012 1.1323	1.3765	1.3118	1.2531	1.1686	Ave		1.2739				8.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenol-d5	1.7067 1.2260	1.5564	1.4691	1.4924	1.3102	Ave		1.4601				11.8		15.0			
Nitrobenzene-d5	0.3897 0.3264	0.3774	0.3582	0.3536	0.3321	Ave		0.3562				6.9		15.0			
2-Fluorobiphenyl	1.6026 1.2366	1.5359	1.5465	1.3868	1.3320	Ave		1.4401				10.0		15.0			
2,4,6-Tribromophenol	0.2097 0.2067	0.1932	0.1744	0.2121	0.2045	Ave		0.2001				7.1		15.0			
Terphenyl-d14	1.4232 1.3723	1.4087	1.2768	1.4140	1.2937	Ave		1.3648				4.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-81929/4	x16888.d
Level 2	IC 460-81929/7	x16891.d
Level 3	IC 460-81929/6	x16890.d
Level 4	ICIS 460-81929/2	x16886.d
Level 5	IC 460-81929/5	x16889.d
Level 6	IC 460-81929/3	x16887.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	26198 587197	47279	91013	196187	367764	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	1113	+++++	+++++ +++++	+++++	+++++	0.500	+++++
N-Nitrosodimethylamine	DCB	Ave	36630 741125	63519	123252	275907	517838	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	68018 1275597	117348	225152	482825	908960	5.00 120	10.0	20.0	50.0	80.0
Benzaldehyde	DCB	Ave	54203 113337	82235	144365	119477	138678	5.00 120	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	97715 1528755	153099	287448	657641	1117244	5.00 120	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	112687 1916816	187832	357811	817895	1443216	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	8242 1464243	131163	255840	558948	1038956	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	86384 1335233	139564	264445	594833	1017981	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	QuaF	108007 1491811	178851	339606	666118	1067485	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	99398 1621768	167604	325080	675411	1193769	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	99091 1560825	165144	327282	669187	1152813	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	47843 835180	69519	140050	363783	639656	5.00 120	10.0	20.0	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	93506 1457292	157583	305141	642743	1112930	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	70608 1071286	111773	205759	493893	828040	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	QuaF	133484 1749724	220494	419114	907365	1433109	5.00 120	10.0	20.0	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
o-Toluidine	DCB	Ave	170444 2533486	258341	462528	1090342	1839410	5.00 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	QuaF	77482 1028406	114228	205851	464611	750982	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	QuaF	77482 1028406	114228	204242	464405	751032	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	QuaF	106519 1311446	163275	280316	613726	1026476	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	QuaF	5025 684762	80577	145281	335537	541785	0.500 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	3958 608652	62073	122537	253219	447674	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	QuaF	10318 1404348	168862	307465	673657	1109842	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	QuaF	9948 1627947	195303	369249	771950	1259702	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	130313 2133618	202925	362650	919317	1566061	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	45594 755103	72753	133990	332213	566288	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	68989 1059554	103996	193665	490223	790225	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	86681 1332183	137780	252333	609013	1018669	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	35558 717848	64476	118016	309645	515801	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	64064 939512	97973	178902	442659	715024	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	7435 1082417	118062	223622	495154	836729	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	235421 3287583	377520	692227	1554802	2584562	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	91148 1331576	143134	254750	629438	1012567	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	8470 592699	65529	125495	270770	457579	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	19786 328885	30371	47828	150163	234523	5.00 120	10.0	20.0	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	51453 901790	71142	130105	402788	639331	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	153676 2147055	242831	437194	1022495	1681750	5.00 120	10.0	20.0	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Methylnaphthalene	NPT	Ave	152625 2203709	234057	419929	1040915	1687823	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	42680 549578	60332	113342	268741	426755	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	QuaF	66941 834084	99226	175766	411550	656958	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	99388 1476273	145762	260954	700730	1112877	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	41365 706488	62995	106447	311963	503167	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	41598 670579	62088	105097	315352	490304	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	QuaF	185415 2322565	282330	467925	1170570	1846496	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	137232 1805741	210556	369685	905044	1410902	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	93929 1334972	146311	255708	639201	1020264	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	73185 571385	62744	103830	291760	471270	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	113748 1592686	174012	295303	762645	1215292	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	134413 2049793	209886	331784	945649	1505372	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	45814 755097	69397	110872	332630	533636	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	5586 509093	47867	76581	231371	370375	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	211692 2911668	319220	539513	1372134	2212630	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	68307 563932	51485	82784	248352	405882	10.0 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	115523 1542424	172110	298097	747223	1180837	5.00 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	QuaF	141693 1648826	210123	346342	825255	1284366	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	Ave	41069 317820	44201	53114	132436	223933	15.0 120	20.0	30.0	50.0	80.0
4-Nitrophenol	ANT	Ave	56675 342463	52310	60709	142888	241462	15.0 120	20.0	30.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	7333 572843	59326	90865	278014	440535	1.00 120	10.0	20.0	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibenzofuran	ANT	Ave	180241 2324915	274612	449005	1172918	1834580	5.00 120	10.0	20.0	50.0	80.0
1-Naphthylamine	ANT	Ave	112831 1663246	158459	259964	782093	1244552	5.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	29832 482691	42298	69149	226441	359477	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	117442 1740969	169153	271906	837772	1282391	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	130385 1966344	197993	302720	910020	1443404	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	QuaF	67299 800488	101939	157610	404295	604784	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	138508 1779936	213021	343973	887395	1361502	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	60044 504745	46126	70689	219175	360964	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	57566 377355	59259	66902	158042	267194	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	96880 1416141	141421	204225	635722	1037673	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	122933 2151424	222448	355203	1012826	1560292	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	36885 563579	57760	89900	262114	415243	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	4333 624839	63337	98308	290945	461005	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	32102 487406	45785	65621	223882	360667	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	66042 412341	62763	70831	182589	302174	15.0 120	20.0	30.0	50.0	80.0
n-Octadecane	PHN	QuaF	100333 1300349	155276	247433	695865	1020748	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	175750 2484014	260179	405183	1178424	1883499	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	176092 2504879	265198	411570	1189709	1889177	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	147204 2158110	210494	323274	988369	1616446	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	191624 2786324	278180	405170	1301155	2074729	5.00 120	10.0	20.0	50.0	80.0
Fluoranthene	PHN	Ave	155143 2187294	222134	330071	1028581	1722829	5.00 120	10.0	20.0	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	PHN	Ave	31225 189729	120305	126053	108282	195716	5.00 120	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	151025 2140749	217700	320906	995701	1700003	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	57754 922016	83488	118509	404648	752468	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	LinF	25600 625379	38143	68837	244367	513101	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	63884 397057	82732	93488	175119	331652	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	11413 1409274	136840	210293	641056	1186363	0.500 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	78417 1216067	111945	154293	540535	1008797	5.00 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	95483 1286693	133838	206627	595191	1088424	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	89974 1623657	133747	204097	706813	1444855	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	5449 1098751	93679	169000	468923	912408	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	7310 1109665	104995	189624	520404	904166	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	4561 888416	75491	139805	388975	711595	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	LinF	3057 870687	57640	124806	375400	682034	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	3357 828933	61501	133200	359819	649725	0.500 120	10.0	20.0	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	41265 835806	63586	133448	359400	646264	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	75686 1320277	126545	237212	525996	947331	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	92183 1429497	143079	265661	626455	1062078	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	77463 1297168	124484	223844	550288	952396	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	155582 2258269	237677	415296	1057001	1705150	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	20356 377553	29891	46827	161689	261774	5.00 120	10.0	20.0	50.0	80.0
Terphenyl-d14	CRY	Ave	109909 1547268	152131	210712	715048	1224035	5.00 120	10.0	20.0	50.0	80.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-29791-1 Analy Batch No.: 81929

SDG No.:

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2011 12:45 Calibration End Date: 08/02/2011 14:44 Calibration ID: 11740

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16886.d
Report Date: 02-Aug-2011 13:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16886.d
Lab Smp Id: ICIS-1094480
Inj Date : 02-AUG-2011 12:45
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : ICIS-1094480
Misc Info : 50 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 13:08 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 12:45 Cal File: x16886.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.822	1.822	(0.403)	196187	50.0000	50
	19 N-Nitrosodimethylamine	74	2.057	2.057	(0.456)	275907	50.0000	50
	71 Pyridine	79	2.087	2.087	(0.462)	482825	50.0000	50
$	16 2-Fluorophenol (SUR)	112	3.228	3.228	(0.715)	525996	50.0000	50
	110 Benzaldehyde	77	4.075	4.075	(0.902)	119477	50.0000	50
$	17 Phenol-d5 (SUR)	99	4.145	4.145	(0.918)	626455	50.0000	50
	1 Phenol	94	4.157	4.157	(0.921)	657641	50.0000	50
	73 Aniline	93	4.187	4.187	(0.927)	817895	50.0000	50
	20 bis(2-Chloroethyl)ether	93	4.251	4.251	(0.941)	558948	50.0000	50
	2 2-Chlorophenol	128	4.310	4.310	(0.954)	594833	50.0000	50
	113 n-decane	43	4.363	4.363	(0.966)	666118	50.0000	50
	21 1,3-Dichlorobenzene	146	4.463	4.463	(0.988)	675411	50.0000	50
*	79 1,4-Dichlorobenzene-d4	152	4.516	4.516	(1.000)	335815	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16886.d
Report Date: 02-Aug-2011 13:08

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22	1,4-Dichlorobenzene	146	4.534	4.534	(1.004)	669187	50.0000	50
74	Benzyl Alcohol	108	4.651	4.651	(1.030)	363783	50.0000	50
23	1,2-Dichlorobenzene	146	4.692	4.692	(1.039)	642743	50.0000	50
3	2-Methylphenol	108	4.763	4.763	(1.055)	493893	50.0000	50
24	bis (2-chloroisopropyl) ether	45	4.787	4.787	(1.060)	907365	50.0000	50
104	Acetophenone	105	4.928	4.928	(1.091)	613726	50.0000	50
4	4-Methylphenol	108	4.922	4.922	(1.090)	464405	50.0000	50
123	3 & 4 Methylphenol	108	4.922	4.922	(1.090)	464611	50.0000	50
25	N-Nitroso-di-n-propylamine	70	4.928	4.928	(1.091)	335537	50.0000	50
126	O-Toluidine	107	4.916	4.916	(1.089)	1090342	50.0000	50
26	Hexachloroethane	117	5.034	5.034	(1.115)	253219	50.0000	50
$ 76	Nitrobenzene-d5 (SUR)	82	5.075	5.075	(0.875)	550288	50.0000	50
27	Nitrobenzene	77	5.098	5.098	(0.879)	673657	50.0000	50
107	N,N-Dimethylaniline	120	5.098	5.098	(1.129)	771950	50.0000	50
28	Isophorone	82	5.334	5.334	(0.920)	919317	50.0000	50
5	2-Nitrophenol	139	5.416	5.416	(0.934)	332213	50.0000	50
6	2,4-Dimethylphenol	122	5.457	5.457	(0.941)	490223	50.0000	50
29	bis(2-Chloroethoxy)methane	93	5.551	5.551	(0.957)	609013	50.0000	50
15	Benzoic Acid	122	5.592	5.592	(0.964)	309645	50.0000	50
7	2,4-Dichlorophenol	162	5.657	5.657	(0.976)	442659	50.0000	50
30	1,2,4-Trichlorobenzene	180	5.745	5.745	(0.991)	495154	50.0000	50
* 80	Naphthalene-d8	136	5.798	5.798	(1.000)	1245131	40.0000	
31	Naphthalene	128	5.822	5.822	(1.004)	1554802	50.0000	50
32	4-Chloroaniline	127	5.875	5.875	(1.013)	629438	50.0000	50
33	Hexachlorobutadiene	225	5.957	5.957	(1.027)	270770	50.0000	50
111	Caprolactam	113	6.245	6.245	(1.077)	150163	50.0000	50
8	4-Chloro-3-methylphenol	107	6.369	6.369	(1.098)	402788	50.0000	50
34	2-Methylnaphthalene	142	6.516	6.516	(1.124)	1022495	50.0000	50
120	1-Methylnaphthalene	142	6.616	6.616	(1.141)	1040915	50.0000	50
35	Hexachlorocyclopentadiene	237	6.686	6.686	(0.885)	268741	50.0000	50
129	1,2,4,5-Tetrachlorobenzene	216	6.692	6.692	(0.886)	411550	50.0000	50
121	2-tert-Butyl-4-methylphenol	149	6.716	6.716	(1.158)	700730	50.0000	50
9	2,4,6-Trichlorophenol	196	6.798	6.798	(0.900)	311963	50.0000	50
10	2,4,5-Trichlorophenol	196	6.839	6.839	(0.905)	315352	50.0000	50
$ 77	2-Fluorobiphenyl (SUR)	172	6.886	6.886	(0.911)	1057001	50.0000	50
102	Diphenyl	154	6.986	6.986	(0.924)	1170570	50.0000	50
36	2-Chloronaphthalene	162	7.004	7.004	(0.927)	905044	50.0000	50
103	Diphenyl Ether	170	7.086	7.086	(0.938)	639201	50.0000	50
37	2-Nitroaniline	65	7.104	7.104	(0.940)	291760	50.0000	50
125	1,3-Dimethylnaphthalene	156	7.222	7.222	(0.956)	762645	50.0000	50
38	Dimethylphthalate	163	7.286	7.286	(0.964)	945649	50.0000	50
114	Coumarin	146	7.310	7.310	(1.261)	332630	50.0000	50
40	2,6-Dinitrotoluene	165	7.345	7.345	(0.972)	231371	50.0000	50
39	Acenaphthylene	152	7.416	7.416	(0.981)	1372134	50.0000	50
41	3-Nitroaniline	138	7.510	7.510	(0.994)	248352	50.0000	50
* 82	Acenaphthene-d10	164	7.557	7.557	(1.000)	609769	40.0000	
122	2,6-Di-tert-butyl-p-cresol	205	7.575	7.575	(1.002)	747223	50.0000	50

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16886.d
Report Date: 02-Aug-2011 13:08

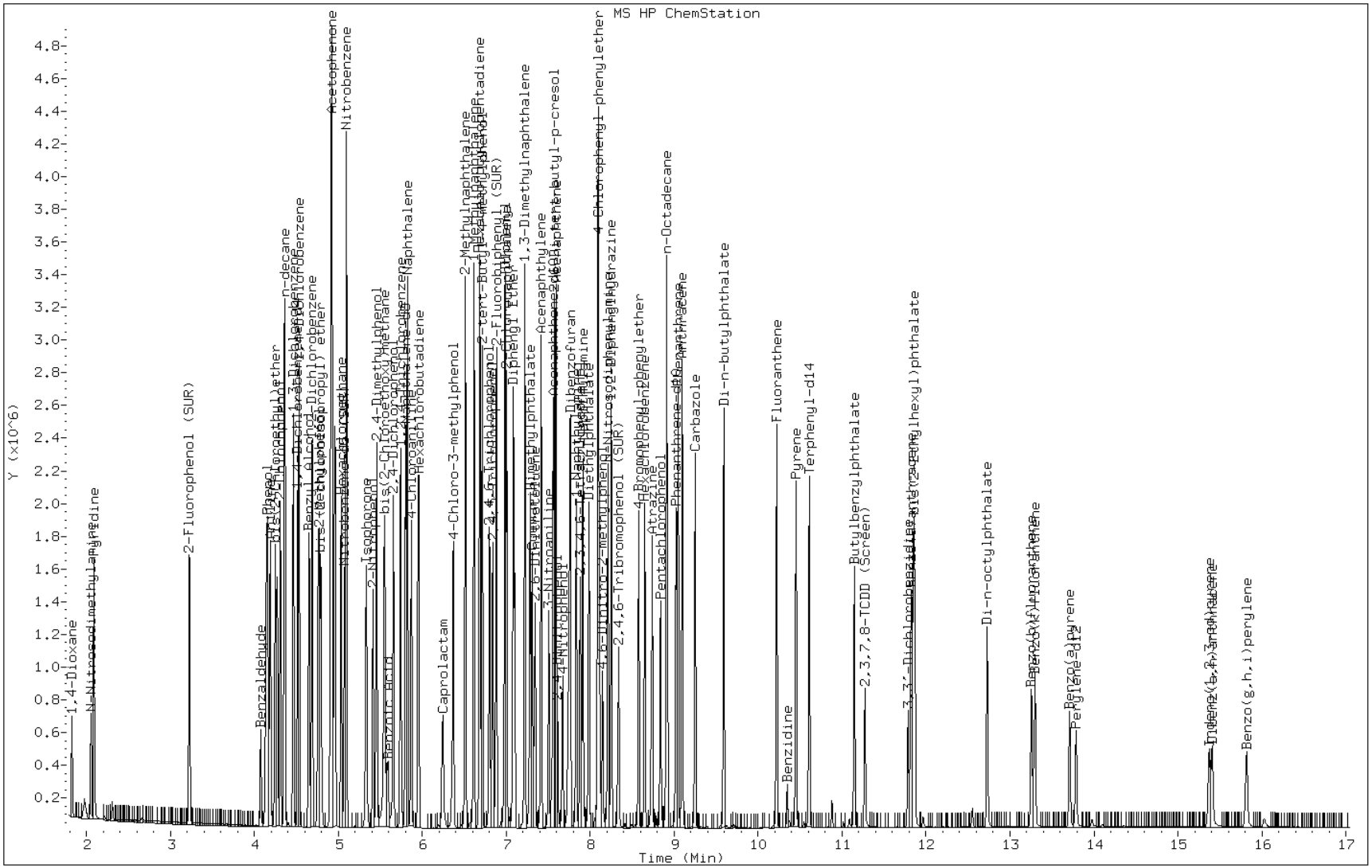
		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.592	7.592	(1.005)	825255	50.0000	50
	11 2,4-Dinitrophenol	184	7.610	7.610	(1.007)	132436	50.0000	50
	12 4-Nitrophenol	65	7.675	7.675	(1.016)	142888	50.0000	50
	44 2,4-Dinitrotoluene	165	7.745	7.745	(1.025)	278014	50.0000	50
	43 Dibenzofuran	168	7.763	7.763	(1.027)	1172918	50.0000	50
	127 1-Naphthylamine	143	7.833	7.833	(1.037)	782093	50.0000	50
	130 2,3,4,6-Tetrachlorophenol	232	7.886	7.886	(1.044)	226441	50.0000	50
	128 2-Naphthylamine	143	7.916	7.916	(1.047)	837772	50.0000	50
	45 Diethylphthalate	149	7.986	7.986	(1.057)	910020	50.0000	50
	46 4-Chlorophenyl-phenylether	204	8.092	8.092	(1.071)	404295	50.0000	50
	47 Fluorene	166	8.098	8.098	(1.072)	887395	50.0000	50
	48 4-Nitroaniline	138	8.116	8.116	(1.074)	219175	50.0000	50
	13 4,6-Dinitro-2-methylphenol	198	8.145	8.145	(0.903)	158042	50.0000	50
	49 N-Nitrosodiphenylamine	169	8.210	8.210	(0.910)	635722	50.0000	50
	75 1,2-Diphenylhydrazine	77	8.251	8.251	(0.915)	1012826	50.0000	50
$	18 2,4,6-Tribromophenol (SUR)	330	8.339	8.339	(1.104)	161689	50.0000	50
	50 4-Bromophenyl-phenylether	248	8.580	8.580	(0.951)	262114	50.0000	50
	51 Hexachlorobenzene	284	8.651	8.651	(0.959)	290945	50.0000	50
	112 Atrazine	200	8.739	8.739	(0.969)	223882	50.0000	50
	14 Pentachlorophenol	266	8.839	8.839	(0.980)	182589	50.0000	50
	115 n-Octadecane	57	8.916	8.916	(0.988)	695865	50.0000	50
*	83 Phenanthrene-d10	188	9.022	9.022	(1.000)	824795	40.0000	
	52 Phenanthrene	178	9.051	9.051	(1.003)	1178424	50.0000	50
	53 Anthracene	178	9.098	9.098	(1.008)	1189709	50.0000	50
	54 Carbazole	167	9.251	9.251	(1.025)	988369	50.0000	50
	55 Di-n-butylphthalate	149	9.592	9.592	(1.063)	1301155	50.0000	50
	56 Fluoranthene	202	10.222	10.222	(1.133)	1028581	50.0000	50
	58 Benzidine	184	10.345	10.345	(1.147)	108282	50.0000	50
	57 Pyrene	202	10.457	10.457	(0.883)	995701	50.0000	50
$	78 Terphenyl-d14	244	10.610	10.610	(0.896)	715048	50.0000	50
	59 Butylbenzylphthalate	149	11.145	11.145	(0.941)	404648	50.0000	50
	109 2,3,7,8-TCDD (Screen)	320	11.269	11.269	(0.952)	1113	0.50000	0.50
	124 Carbamazepine	193	11.274	11.274	(0.952)	244367	50.0000	50
	60 3,3'-Dichlorobenzidine	252	11.786	11.786	(0.996)	175119	50.0000	50
	61 Benzo(a)anthracene	228	11.821	11.821	(0.998)	641056	50.0000	50
*	81 Chrysene-d12	240	11.839	11.839	(1.000)	404540	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.857	11.857	(1.001)	540535	50.0000	50
	62 Chrysene	228	11.868	11.868	(1.002)	595191	50.0000	50
	64 Di-n-octylphthalate	149	12.727	12.727	(0.923)	706813	50.0000	50
	65 Benzo(b)fluoranthene	252	13.257	13.257	(0.962)	468923	50.0000	50
	66 Benzo(k)fluoranthene	252	13.298	13.298	(0.965)	520404	50.0000	50
	67 Benzo(a)pyrene	252	13.710	13.710	(0.994)	388975	50.0000	50
*	84 Perylene-d12	264	13.786	13.786	(1.000)	314125	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.374	15.374	(1.115)	375400	50.0000	50
	69 Dibenz(a,h)anthracene	278	15.409	15.409	(1.118)	359819	50.0000	50
	70 Benzo(g,h,i)perylene	276	15.821	15.821	(1.148)	359400	50.0000	50

Data File: x16886.d

Date: 02-AUG-2011 12:45

Client ID: Instrument: BNAMS5.i

Sample Info: ICIS-1094480 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16887.d
Report Date: 02-Aug-2011 15:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16887.d
Lab Smp Id: IC-1094478
Inj Date : 02-AUG-2011 13:08
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-1094478
Misc Info : 120 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 15:35 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 13:08 Cal File: x16887.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.940	1.940	(0.428)	587197	120.000	120(AH)
	19 N-Nitrosodimethylamine	74	2.193	2.193	(0.484)	741125	120.000	110(M)
	71 Pyridine	79	2.222	2.222	(0.490)	1275597	120.000	110(M)
$	16 2-Fluorophenol (SUR)	112	3.287	3.287	(0.725)	1320277	120.000	110
	110 Benzaldehyde	77	4.098	4.098	(0.904)	113337	120.000	22
$	17 Phenol-d5 (SUR)	99	4.181	4.181	(0.922)	1429497	120.000	100
	1 Phenol	94	4.192	4.192	(0.925)	1528755	120.000	100
	73 Aniline	93	4.210	4.210	(0.929)	1916816	120.000	100(A)
	20 bis(2-Chloroethyl)ether	93	4.275	4.275	(0.943)	1464243	120.000	110
	2 2-Chlorophenol	128	4.340	4.340	(0.957)	1335233	120.000	98
	113 n-decane	43	4.375	4.375	(0.965)	1491811	120.000	92(A)
	21 1,3-Dichlorobenzene	146	4.481	4.481	(0.988)	1621768	120.000	100
*	79 1,4-Dichlorobenzene-d4	152	4.534	4.534	(1.000)	388677	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16887.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.551	4.551	(1.004)	1560825	120.000	98
	74 Benzyl Alcohol	108	4.675	4.675	(1.031)	835180	120.000	110
	23 1,2-Dichlorobenzene	146	4.704	4.704	(1.038)	1457292	120.000	97
	3 2-Methylphenol	108	4.787	4.787	(1.056)	1071286	120.000	98
	24 bis (2-chloroisopropyl) ether	45	4.804	4.804	(1.060)	1749724	120.000	86
	104 Acetophenone	105	4.945	4.945	(1.091)	1311446	120.000	88
	4 4-Methylphenol	108	4.951	4.951	(1.092)	1028406	120.000	94
	123 3 & 4 Methylphenol	108	4.951	4.951	(1.092)	1028406	120.000	94
	25 N-Nitroso-di-n-propylamine	70	4.975	4.975	(1.097)	684762	120.000	91(MH)
	126 O-Toluidine	107	4.928	4.928	(1.087)	2533486	120.000	100(MH)
	26 Hexachloroethane	117	5.040	5.040	(1.112)	608652	120.000	100
$	76 Nitrobenzene-d5 (SUR)	82	5.092	5.092	(0.876)	1297168	120.000	110
	27 Nitrobenzene	77	5.122	5.122	(0.882)	1404348	120.000	94
	107 N,N-Dimethylaniline	120	5.122	5.122	(1.130)	1627947	120.000	93
	28 Isophorone	82	5.363	5.363	(0.923)	2133618	120.000	110
	5 2-Nitrophenol	139	5.428	5.428	(0.934)	755103	120.000	110
	6 2,4-Dimethylphenol	122	5.475	5.475	(0.942)	1059554	120.000	100
	29 bis(2-Chloroethoxy)methane	93	5.563	5.563	(0.957)	1332183	120.000	100
	15 Benzoic Acid	122	5.657	5.657	(0.974)	717848	120.000	120(M)
	7 2,4-Dichlorophenol	162	5.675	5.675	(0.977)	939512	120.000	100
	30 1,2,4-Trichlorobenzene	180	5.751	5.751	(0.990)	1082417	120.000	99
*	80 Naphthalene-d8	136	5.810	5.810	(1.000)	1324567	40.0000	
	31 Naphthalene	128	5.834	5.834	(1.004)	3287583	120.000	97
	32 4-Chloroaniline	127	5.881	5.881	(1.012)	1331576	120.000	100
	33 Hexachlorobutadiene	225	5.957	5.957	(1.025)	592699	120.000	98
	111 Caprolactam	113	6.304	6.304	(1.085)	328885	120.000	110(H)
	8 4-Chloro-3-methylphenol	107	6.386	6.386	(1.099)	901790	120.000	120
	34 2-Methylnaphthalene	142	6.522	6.522	(1.122)	2147055	120.000	97
	120 1-Methylnaphthalene	142	6.622	6.622	(1.140)	2203709	120.000	100
	35 Hexachlorocyclopentadiene	237	6.692	6.692	(0.885)	549578	120.000	97
	129 1,2,4,5-Tetrachlorobenzene	216	6.698	6.698	(0.886)	834084	120.000	94
	121 2-tert-Butyl-4-methylphenol	149	6.728	6.728	(1.158)	1476273	120.000	100
	9 2,4,6-Trichlorophenol	196	6.810	6.810	(0.900)	706488	120.000	120
	10 2,4,5-Trichlorophenol	196	6.851	6.851	(0.906)	670579	120.000	110
$	77 2-Fluorobiphenyl (SUR)	172	6.892	6.892	(0.911)	2258269	120.000	100
	102 Diphenyl	154	6.992	6.992	(0.925)	2322565	120.000	94
	36 2-Chloronaphthalene	162	7.010	7.010	(0.927)	1805741	120.000	96
	103 Diphenyl Ether	170	7.092	7.092	(0.938)	1334972	120.000	100
	37 2-Nitroaniline	65	7.116	7.116	(0.941)	571385	120.000	100
	125 1,3-Dimethylnaphthalene	156	7.228	7.228	(0.956)	1592686	120.000	100
	38 Dimethylphthalate	163	7.298	7.298	(0.965)	2049793	120.000	110
	114 Coumarin	146	7.328	7.328	(1.261)	755097	120.000	110
	40 2,6-Dinitrotoluene	165	7.357	7.357	(0.973)	509093	120.000	110
	39 Acenaphthylene	152	7.422	7.422	(0.981)	2911668	120.000	100
	41 3-Nitroaniline	138	7.528	7.528	(0.995)	563932	120.000	110
*	82 Acenaphthene-d10	164	7.563	7.563	(1.000)	608720	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.581	7.581	(1.002)	1542424	120.000	99

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16887.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.598	7.598	(1.005)	1648826	120.000	92
	11 2,4-Dinitrophenol	184	7.628	7.628	(1.009)	317820	120.000	130(A)
	12 4-Nitrophenol	65	7.692	7.692	(1.017)	342463	120.000	120(A)
	44 2,4-Dinitrotoluene	165	7.763	7.763	(1.026)	572843	120.000	110
	43 Dibenzofuran	168	7.769	7.769	(1.027)	2324915	120.000	96
	127 1-Naphthylamine	143	7.845	7.845	(1.037)	1663246	120.000	110
	130 2,3,4,6-Tetrachlorophenol	232	7.892	7.892	(1.044)	482691	120.000	110
	128 2-Naphthylamine	143	7.928	7.928	(1.048)	1740969	120.000	110
	45 Diethylphthalate	149	7.992	7.992	(1.057)	1966344	120.000	110
	46 4-Chlorophenyl-phenylether	204	8.098	8.098	(1.071)	800488	120.000	93
	47 Fluorene	166	8.110	8.110	(1.072)	1779936	120.000	96
	48 4-Nitroaniline	138	8.139	8.139	(1.076)	504745	120.000	120
	13 4,6-Dinitro-2-methylphenol	198	8.163	8.163	(0.904)	377355	120.000	120(A)
	49 N-Nitrosodiphenylamine	169	8.222	8.222	(0.911)	1416141	120.000	110
	75 1,2-Diphenylhydrazine	77	8.263	8.263	(0.915)	2151424	120.000	110
$	18 2,4,6-Tribromophenol (SUR)	330	8.345	8.345	(1.103)	377553	120.000	120(A)
	50 4-Bromophenyl-phenylether	248	8.586	8.586	(0.951)	563579	120.000	100
	51 Hexachlorobenzene	284	8.657	8.657	(0.959)	624839	120.000	100
	112 Atrazine	200	8.751	8.751	(0.969)	487406	120.000	110
	14 Pentachlorophenol	266	8.845	8.845	(0.980)	412341	120.000	120(A)
	115 n-Octadecane	57	8.916	8.916	(0.988)	1300349	120.000	93
*	83 Phenanthrene-d10	188	9.027	9.027	(1.000)	836981	40.0000	
	52 Phenanthrene	178	9.057	9.057	(1.003)	2484014	120.000	100
	53 Anthracene	178	9.104	9.104	(1.008)	2504879	120.000	100
	54 Carbazole	167	9.257	9.257	(1.025)	2158110	120.000	110
	55 Di-n-butylphthalate	149	9.592	9.592	(1.063)	2786324	120.000	100
	56 Fluoranthene	202	10.227	10.227	(1.133)	2187294	120.000	100
	58 Benzidine	184	10.345	10.345	(1.146)	189729	120.000	51
	57 Pyrene	202	10.457	10.457	(0.883)	2140749	120.000	120
$	78 Terphenyl-d14	244	10.610	10.610	(0.896)	1547268	120.000	120(A)
	59 Butylbenzylphthalate	149	11.151	11.151	(0.942)	922016	120.000	130(A)
	124 Carbamazepine	193	11.280	11.280	(0.953)	625379	120.000	150(A)
	60 3,3'-Dichlorobenzidine	252	11.792	11.792	(0.996)	397057	120.000	110
	61 Benzo(a)anthracene	228	11.827	11.827	(0.999)	1409274	120.000	120
*	81 Chrysene-d12	240	11.839	11.839	(1.000)	375826	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.857	11.857	(1.001)	1216067	120.000	120(A)
	62 Chrysene	228	11.874	11.874	(1.003)	1286693	120.000	110
	64 Di-n-octylphthalate	149	12.727	12.727	(0.923)	1623657	120.000	120(A)
	65 Benzo(b)fluoranthene	252	13.262	13.262	(0.962)	1098751	120.000	120(A)
	66 Benzo(k)fluoranthene	252	13.304	13.304	(0.965)	1109665	120.000	110
	67 Benzo(a)pyrene	252	13.715	13.715	(0.995)	888416	120.000	120(A)
*	84 Perylene-d12	264	13.786	13.786	(1.000)	307780	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.380	15.380	(1.116)	870687	120.000	140(A)
	69 Dibenz(a,h)anthracene	278	15.415	15.415	(1.118)	828933	120.000	130(A)
	70 Benzo(g,h,i)perylene	276	15.833	15.833	(1.148)	835806	120.000	120(A)

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16887.d
Report Date: 02-Aug-2011 15:35

QC Flag Legend

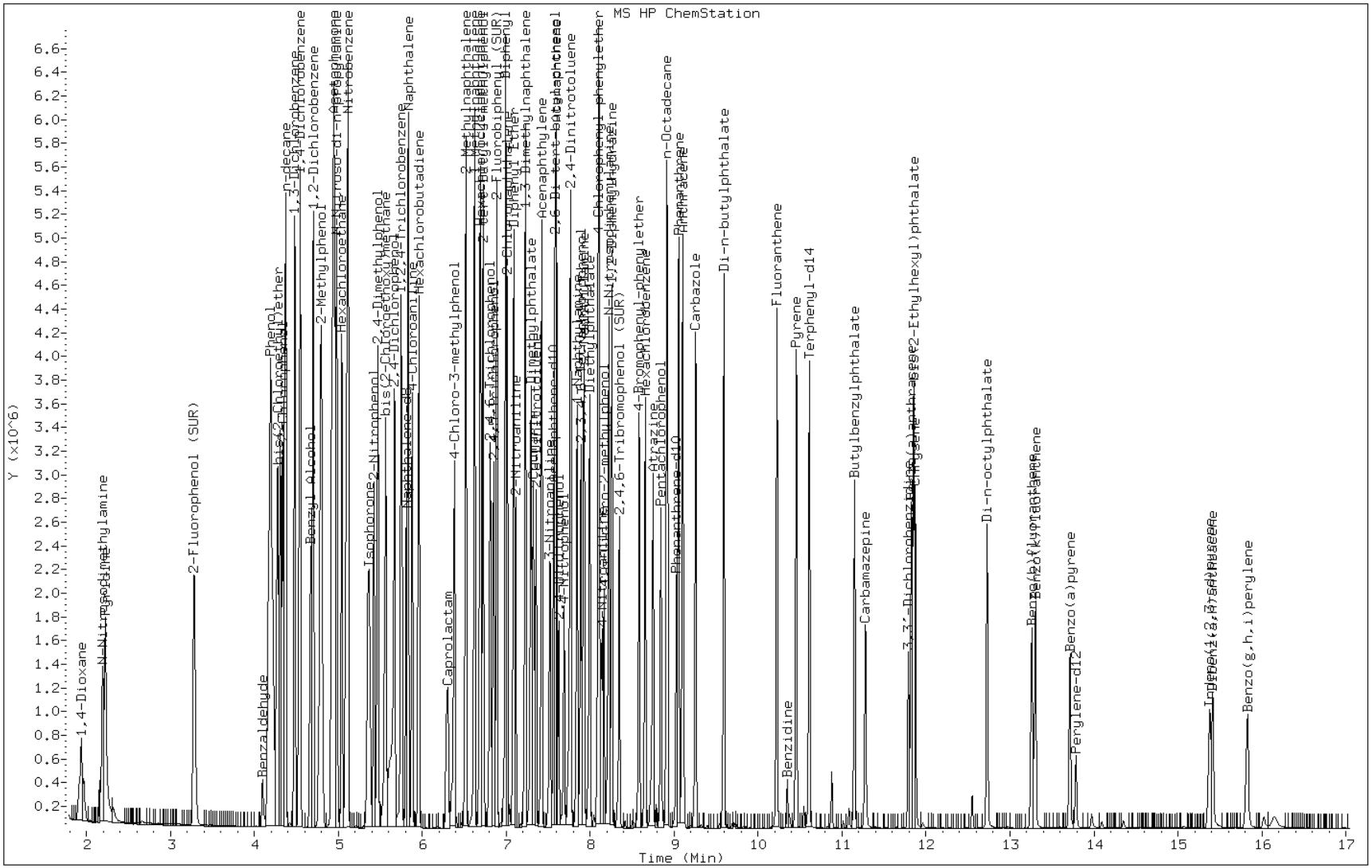
A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x16887.d

Date: 02-AUG-2011 13:08

Client ID: Instrument: BNAMS5.i

Sample Info: IC-1094478 Operator: BNAMS 4



Manual Integration Report

Data File: x16887.d
Inj. Date and Time: 02-AUG-2011 13:08
Instrument ID: BNAMS5.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 08/03/2011

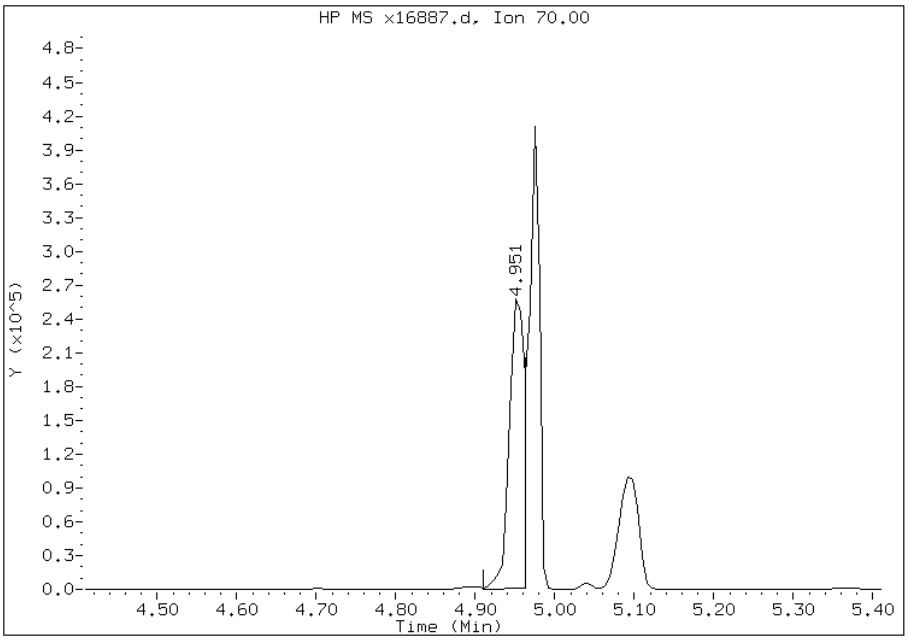
Processing Integration Results

RT: 4.95

Response: 348984

Amount: 53

Conc: 53



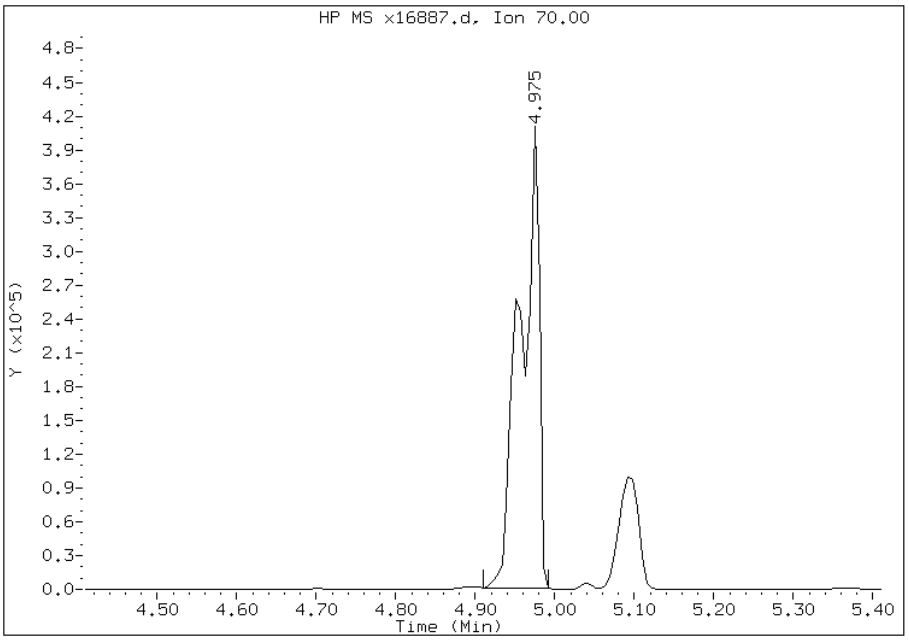
Manual Integration Results

RT: 4.97

Response: 684762

Amount: 91

Conc: 91



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16887.d
Inj. Date and Time: 02-AUG-2011 13:08
Instrument ID: BNAMS5.i
Client ID:
Compound: 126 O-Toluidine
CAS #: 95-53-4
Report Date: 08/03/2011

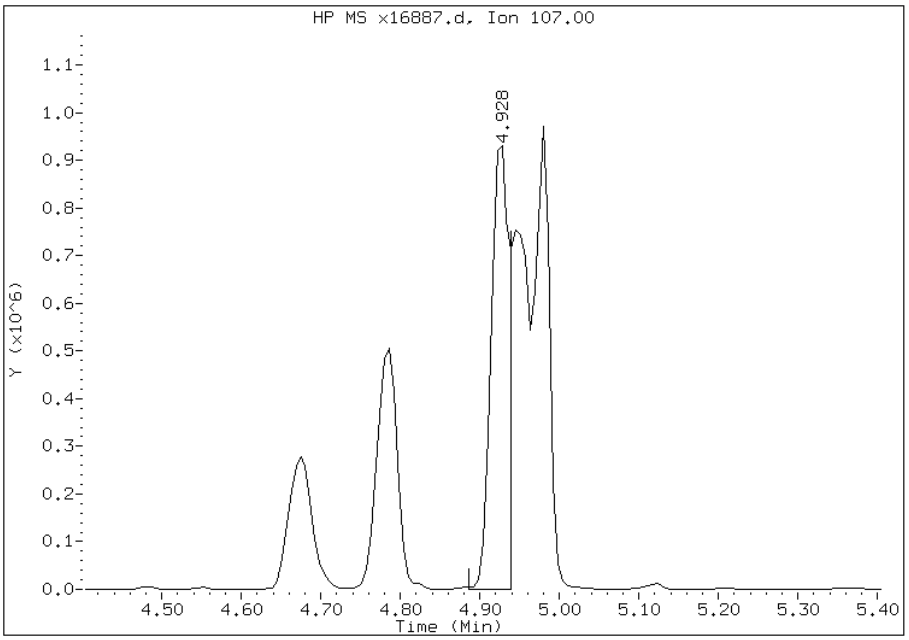
Processing Integration Results

RT: 4.93

Response: 1565761

Amount: 68

Conc: 68



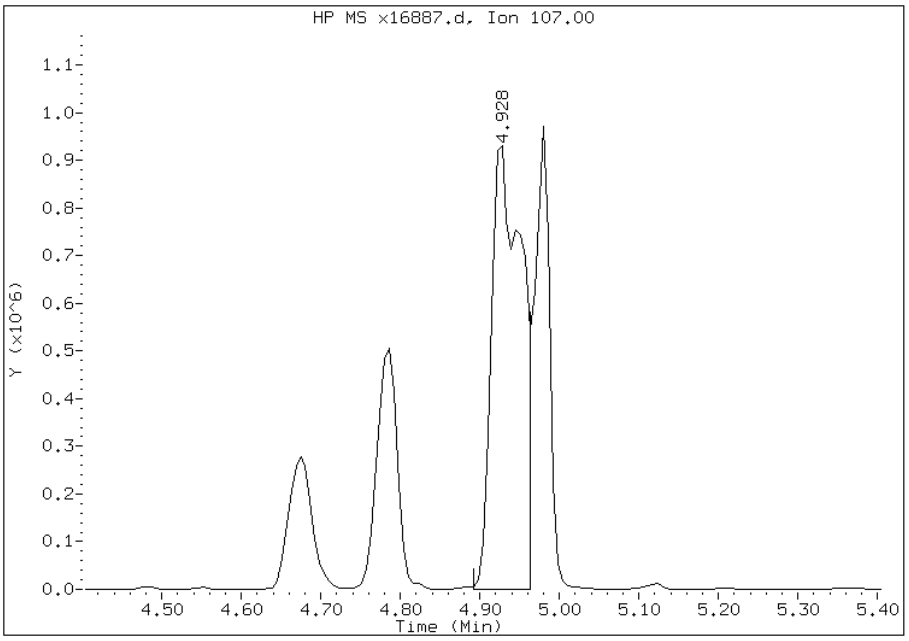
Manual Integration Results

RT: 4.93

Response: 2533486

Amount: 101

Conc: 101



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16887.d
Inj. Date and Time: 02-AUG-2011 13:08
Instrument ID: BNAMS5.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 08/03/2011

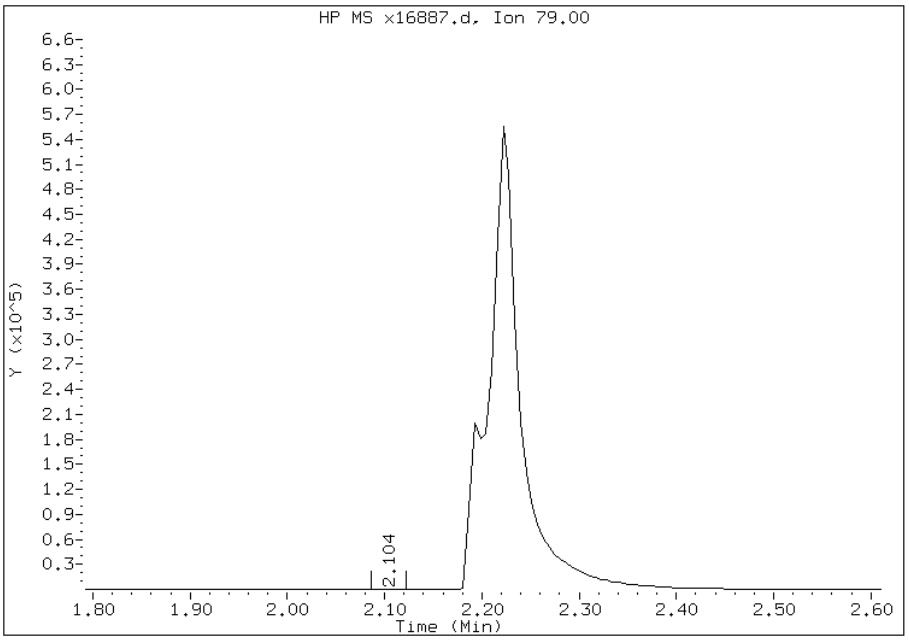
Processing Integration Results

RT: 2.10

Response: 102

Amount: 0

Conc: 0



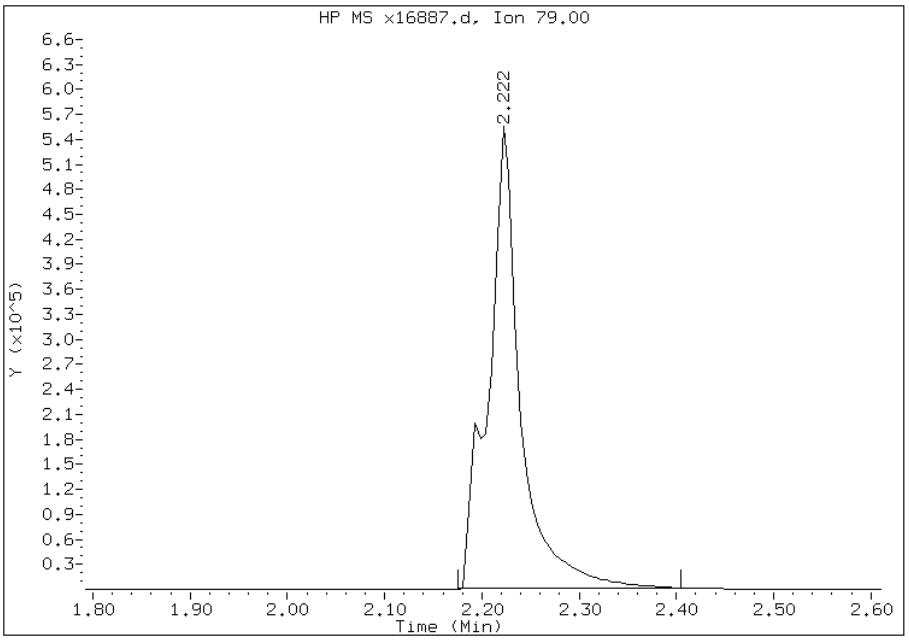
Manual Integration Results

RT: 2.22

Response: 1275597

Amount: 110

Conc: 110



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16887.d
Inj. Date and Time: 02-AUG-2011 13:08
Instrument ID: BNAMS5.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/03/2011

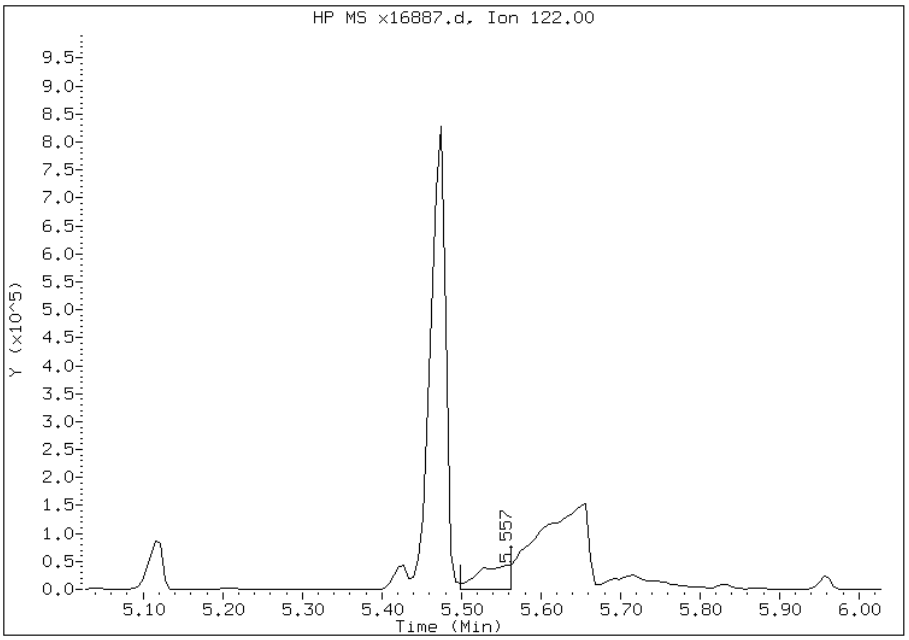
Processing Integration Results

RT: 5.56

Response: 126814

Amount: 28

Conc: 28



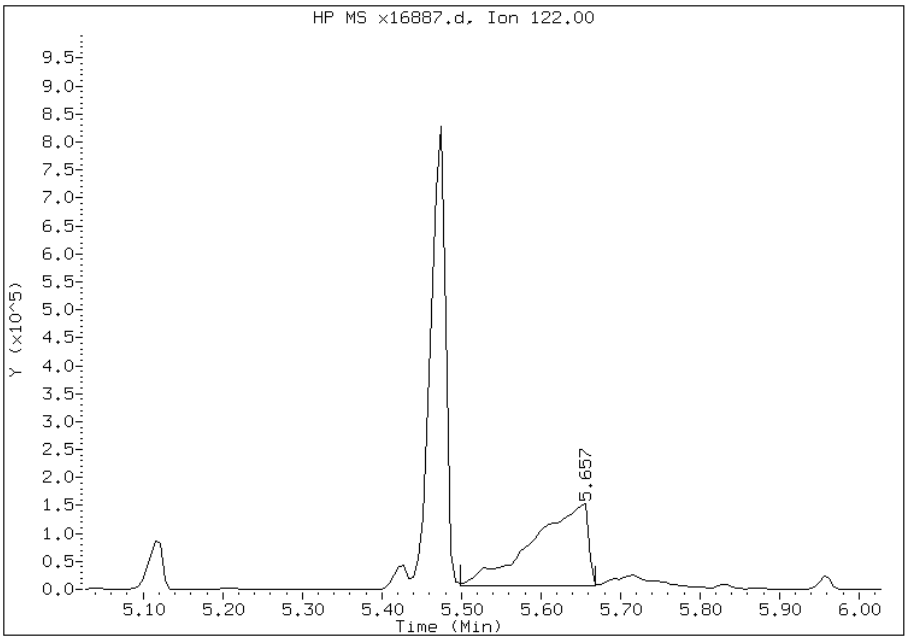
Manual Integration Results

RT: 5.66

Response: 717848

Amount: 116

Conc: 116



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16887.d
Inj. Date and Time: 02-AUG-2011 13:08
Instrument ID: BNAMS5.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/03/2011

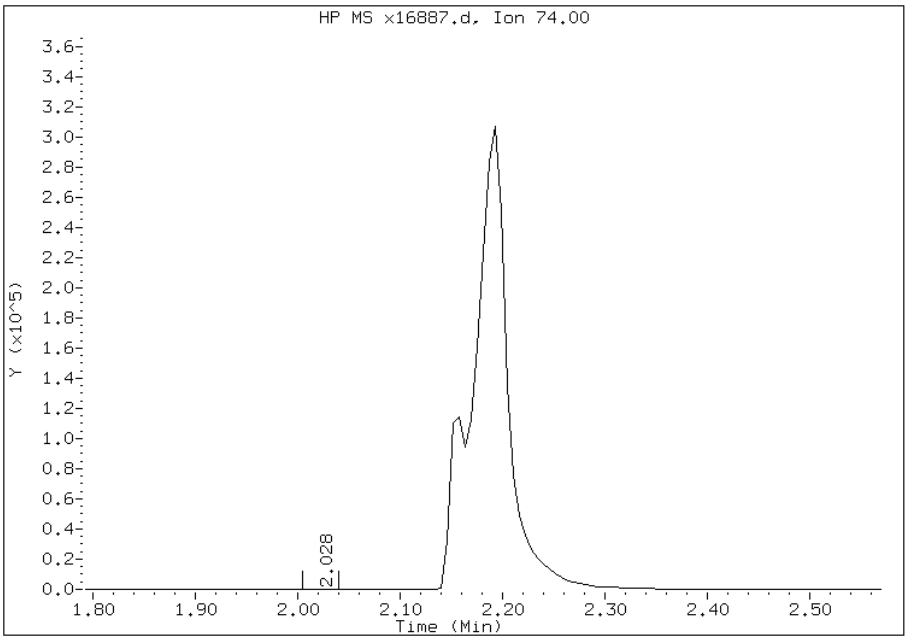
Processing Integration Results

RT: 2.03

Response: 389

Amount: 0

Conc: 0



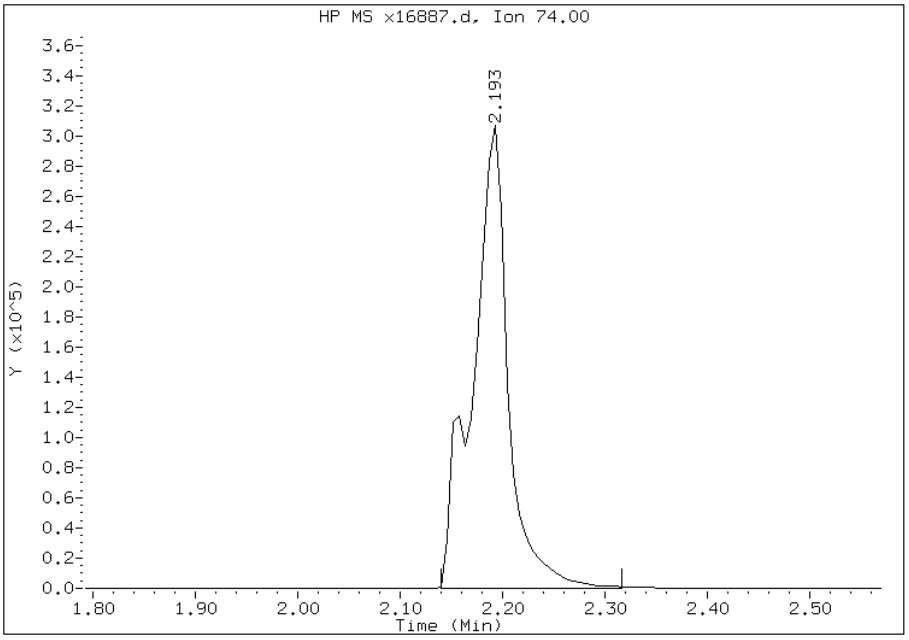
Manual Integration Results

RT: 2.19

Response: 741125

Amount: 115

Conc: 115



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16888.d
Report Date: 02-Aug-2011 15:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16888.d
Lab Smp Id: IC-1094483
Inj Date : 02-AUG-2011 13:32
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-1094483
Misc Info : 5 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 15:35 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 13:32 Cal File: x16888.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.857	1.857	(0.411)	26198	5.00000	5.0
	19 N-Nitrosodimethylamine	74	2.075	2.075	(0.459)	36630	5.00000	5.1
	71 Pyridine	79	2.116	2.116	(0.469)	68018	5.00000	5.3
$	16 2-Fluorophenol (SUR)	112	3.228	3.228	(0.715)	75686	5.00000	5.5
	110 Benzaldehyde	77	4.075	4.075	(0.902)	54203	5.00000	9.3
$	17 Phenol-d5 (SUR)	99	4.128	4.128	(0.914)	92183	5.00000	5.8(H)
	1 Phenol	94	4.140	4.140	(0.917)	97715	5.00000	5.8(H)
	73 Aniline	93	4.181	4.181	(0.926)	112687	5.00000	5.4
	20 bis(2-Chloroethyl)ether	93	4.240	4.240	(0.939)	8242	0.50000	0.56
	2 2-Chlorophenol	128	4.304	4.304	(0.953)	86384	5.00000	5.7
	113 n-decane	43	4.357	4.357	(0.965)	108007	5.00000	6.0
	21 1,3-Dichlorobenzene	146	4.457	4.457	(0.987)	99398	5.00000	5.6
*	79 1,4-Dichlorobenzene-d4	152	4.516	4.516	(1.000)	432107	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16888.d
Report Date: 02-Aug-2011 15:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.534	4.534	(1.004)	99091	5.00000	5.6
	74 Benzyl Alcohol	108	4.640	4.640	(1.027)	47843	5.00000	5.5
	23 1,2-Dichlorobenzene	146	4.687	4.687	(1.038)	93506	5.00000	5.6
	3 2-Methylphenol	108	4.751	4.751	(1.052)	70608	5.00000	5.8
	24 bis (2-chloroisopropyl) ether	45	4.781	4.781	(1.059)	133484	5.00000	5.9
	104 Acetophenone	105	4.910	4.910	(1.087)	106519	5.00000	6.5
	4 4-Methylphenol	108	4.904	4.904	(1.086)	77482	5.00000	6.4(H)
	123 3 & 4 Methylphenol	108	4.904	4.904	(1.086)	77482	5.00000	6.4(H)
	25 N-Nitroso-di-n-propylamine	70	4.910	4.910	(1.087)	5025	0.50000	0.60
	126 O-Toluidine	107	4.904	4.904	(1.086)	170444	5.00000	6.1
	26 Hexachloroethane	117	5.028	5.028	(1.113)	3958	0.50000	0.58
$	76 Nitrobenzene-d5 (SUR)	82	5.063	5.063	(0.873)	77463	5.00000	5.5
	27 Nitrobenzene	77	5.081	5.081	(0.876)	10318	0.50000	0.58
	107 N,N-Dimethylaniline	120	5.087	5.087	(1.126)	9948	0.50000	0.51
	28 Isophorone	82	5.322	5.322	(0.918)	130313	5.00000	5.6
	5 2-Nitrophenol	139	5.404	5.404	(0.932)	45594	5.00000	5.4
	6 2,4-Dimethylphenol	122	5.446	5.446	(0.939)	68989	5.00000	5.7
	29 bis(2-Chloroethoxy)methane	93	5.540	5.540	(0.955)	86681	5.00000	5.6
	15 Benzoic Acid	122	5.510	5.510	(0.950)	35558	5.00000	4.8(a)
	7 2,4-Dichlorophenol	162	5.645	5.645	(0.974)	64064	5.00000	5.8
	30 1,2,4-Trichlorobenzene	180	5.740	5.740	(0.990)	7435	0.50000	0.57
*	80 Naphthalene-d8	136	5.798	5.798	(1.000)	1590150	40.0000	
	31 Naphthalene	128	5.816	5.816	(1.003)	235421	5.00000	5.8
	32 4-Chloroaniline	127	5.863	5.863	(1.011)	91148	5.00000	5.7
	33 Hexachlorobutadiene	225	5.951	5.951	(1.026)	8470	1.00000	1.2
	111 Caprolactam	113	6.187	6.187	(1.067)	19786	5.00000	5.6
	8 4-Chloro-3-methylphenol	107	6.351	6.351	(1.095)	51453	5.00000	5.6
	34 2-Methylnaphthalene	142	6.510	6.510	(1.123)	153676	5.00000	5.8
	120 1-Methylnaphthalene	142	6.610	6.610	(1.140)	152625	5.00000	5.8(a)
	35 Hexachlorocyclopentadiene	237	6.681	6.681	(0.885)	42680	5.00000	5.9
	129 1,2,4,5-Tetrachlorobenzene	216	6.681	6.681	(0.885)	66941	5.00000	5.9
	121 2-tert-Butyl-4-methylphenol	149	6.710	6.710	(1.157)	99388	5.00000	5.8
	9 2,4,6-Trichlorophenol	196	6.792	6.792	(0.900)	41365	5.00000	5.3
	10 2,4,5-Trichlorophenol	196	6.828	6.828	(0.904)	41598	5.00000	5.4
$	77 2-Fluorobiphenyl (SUR)	172	6.875	6.875	(0.910)	155582	5.00000	5.6
	102 Diphenyl	154	6.975	6.975	(0.924)	185415	5.00000	5.9
	36 2-Chloronaphthalene	162	6.992	6.992	(0.926)	137232	5.00000	5.7
	103 Diphenyl Ether	170	7.081	7.081	(0.938)	93929	5.00000	5.5
	37 2-Nitroaniline	65	7.092	7.092	(0.939)	73185	10.0000	10
	125 1,3-Dimethylnaphthalene	156	7.216	7.216	(0.956)	113748	5.00000	5.6
	38 Dimethylphthalate	163	7.275	7.275	(0.963)	134413	5.00000	5.5
	114 Coumarin	146	7.298	7.298	(1.259)	45814	5.00000	5.7
	40 2,6-Dinitrotoluene	165	7.328	7.328	(0.970)	5586	1.00000	0.98(a)
	39 Acenaphthylene	152	7.410	7.410	(0.981)	211692	5.00000	5.8
	41 3-Nitroaniline	138	7.498	7.498	(0.993)	68307	10.0000	11
*	82 Acenaphthene-d10	164	7.551	7.551	(1.000)	776654	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.569	7.569	(1.002)	115523	5.00000	5.8

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16888.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.581	7.581	(1.004)	141693	5.00000	6.2
	11 2,4-Dinitrophenol	184	7.598	7.598	(1.006)	41069	15.0000	14(a)
	12 4-Nitrophenol	65	7.657	7.657	(1.014)	56675	15.0000	16
	44 2,4-Dinitrotoluene	165	7.728	7.728	(1.023)	7333	1.00000	1.1
	43 Dibenzofuran	168	7.751	7.751	(1.026)	180241	5.00000	5.8
	127 1-Naphthylamine	143	7.822	7.822	(1.036)	112831	5.00000	5.8
	130 2,3,4,6-Tetrachlorophenol	232	7.875	7.875	(1.043)	29832	5.00000	5.5
	128 2-Naphthylamine	143	7.904	7.904	(1.047)	117442	5.00000	5.7
	45 Diethylphthalate	149	7.975	7.975	(1.056)	130385	5.00000	5.6
	46 4-Chlorophenyl-phenylether	204	8.086	8.086	(1.071)	67299	5.00000	6.2
	47 Fluorene	166	8.092	8.092	(1.072)	138508	5.00000	5.9
	48 4-Nitroaniline	138	8.098	8.098	(1.072)	60044	10.0000	11
	13 4,6-Dinitro-2-methylphenol	198	8.134	8.134	(0.902)	57566	15.0000	15
	49 N-Nitrosodiphenylamine	169	8.204	8.204	(0.909)	96880	5.00000	5.7
	75 1,2-Diphenylhydrazine	77	8.245	8.245	(0.914)	122933	5.00000	4.7(a)
$	18 2,4,6-Tribromophenol (SUR)	330	8.328	8.328	(1.103)	20356	5.00000	5.2
	50 4-Bromophenyl-phenylether	248	8.569	8.569	(0.950)	36885	5.00000	5.3
	51 Hexachlorobenzene	284	8.645	8.645	(0.958)	4333	0.50000	0.56
	112 Atrazine	200	8.722	8.722	(0.967)	32102	5.00000	5.6
	14 Pentachlorophenol	266	8.834	8.834	(0.979)	66042	15.0000	15
	115 n-Octadecane	57	8.904	8.904	(0.987)	100333	5.00000	5.5
*	83 Phenanthrene-d10	188	9.022	9.022	(1.000)	1078079	40.0000	
	52 Phenanthrene	178	9.039	9.039	(1.002)	175750	5.00000	5.6
	53 Anthracene	178	9.086	9.086	(1.007)	176092	5.00000	5.5
	54 Carbazole	167	9.245	9.245	(1.025)	147204	5.00000	5.6
	55 Di-n-butylphthalate	149	9.586	9.586	(1.063)	191624	5.00000	5.6
	56 Fluoranthene	202	10.216	10.216	(1.132)	155143	5.00000	5.7
	58 Benzidine	184	10.339	10.339	(1.146)	31225	5.00000	6.5
	57 Pyrene	202	10.445	10.445	(0.883)	151025	5.00000	5.1
$	78 Terphenyl-d14	244	10.598	10.598	(0.896)	109909	5.00000	5.2
	59 Butylbenzylphthalate	149	11.139	11.139	(0.942)	57754	5.00000	4.8(a)
	124 Carbamazepine	193	11.263	11.263	(0.952)	25600	5.00000	3.7(a)
	60 3,3'-Dichlorobenzidine	252	11.780	11.780	(0.996)	63884	10.0000	11
	61 Benzo(a)anthracene	228	11.816	11.816	(0.999)	11413	0.50000	0.57
*	81 Chrysene-d12	240	11.827	11.827	(1.000)	617806	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.845	11.845	(1.001)	78417	5.00000	4.9(a)
	62 Chrysene	228	11.857	11.857	(1.002)	95483	5.00000	5.2
	64 Di-n-octylphthalate	149	12.722	12.722	(0.923)	89974	5.00000	4.8(a)
	65 Benzo(b)fluoranthene	252	13.245	13.245	(0.961)	5449	0.50000	0.42(aH)
	66 Benzo(k)fluoranthene	252	13.280	13.280	(0.963)	7310	0.50000	0.51
	67 Benzo(a)pyrene	252	13.698	13.698	(0.994)	4561	0.50000	0.44(a)
*	84 Perylene-d12	264	13.786	13.786	(1.000)	439470	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.363	15.363	(1.114)	3057	0.50000	0.33(a)
	69 Dibenz(a,h)anthracene	278	15.392	15.392	(1.116)	3357	0.50000	0.36(a)
	70 Benzo(g,h,i)perylene	276	15.804	15.804	(1.146)	41265	5.00000	4.3(a)

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16888.d
Report Date: 02-Aug-2011 15:35

QC Flag Legend

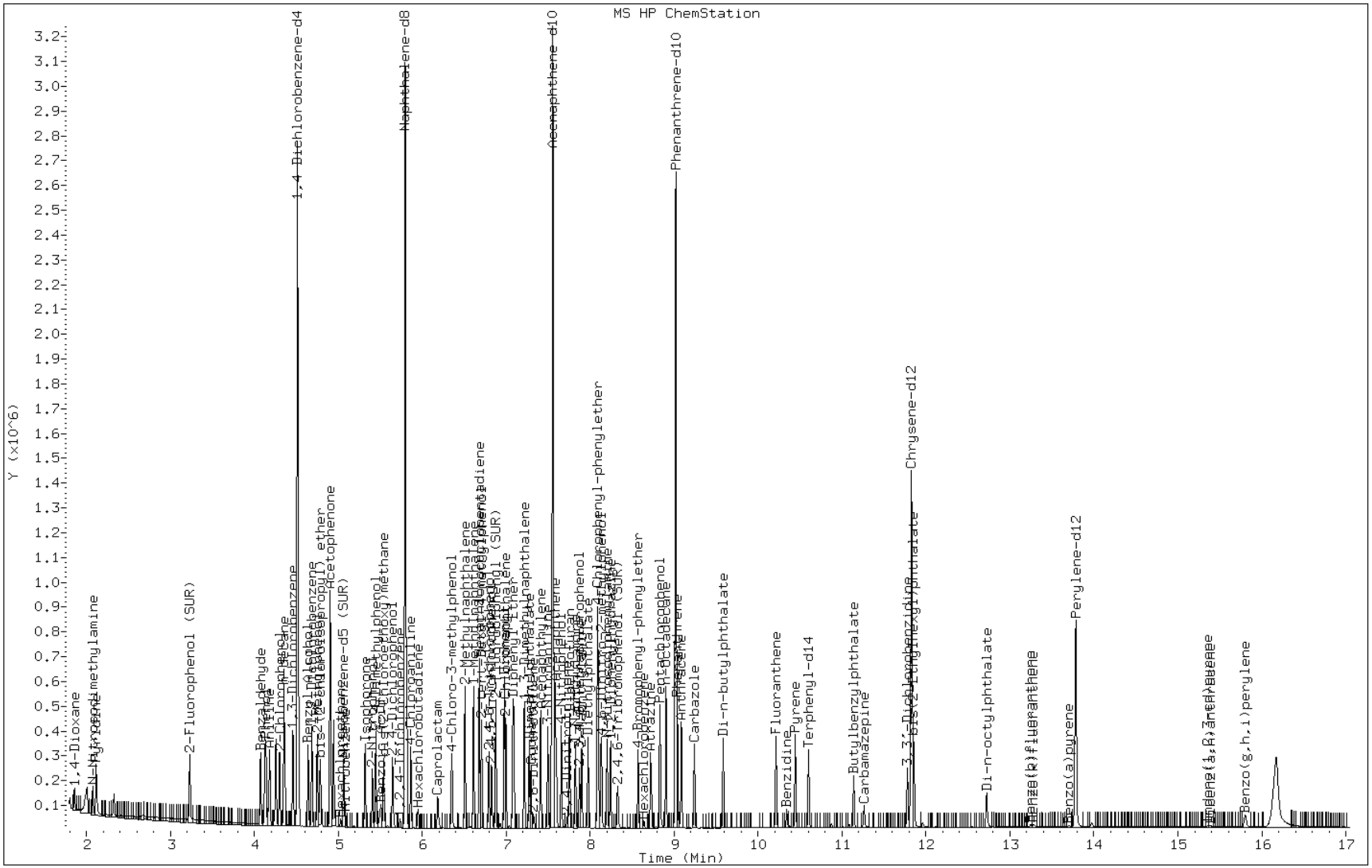
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: x16888.d

Date: 02-AUG-2011 13:32

Client ID: Instrument: BNAMS5.i

Sample Info: IC-1094483 Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16889.d
Report Date: 02-Aug-2011 15:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16889.d
Lab Smp Id: IC-1094479
Inj Date : 02-AUG-2011 13:56
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-1094479
Misc Info : 80 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 15:35 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 13:56 Cal File: x16889.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.881	1.881	(0.416)	367764	80.0000	74
	19 N-Nitrosodimethylamine	74	2.128	2.128	(0.471)	517838	80.0000	77(M)
	71 Pyridine	79	2.163	2.163	(0.478)	908960	80.0000	75(M)
$	16 2-Fluorophenol (SUR)	112	3.263	3.263	(0.722)	947331	80.0000	73
	110 Benzaldehyde	77	4.087	4.087	(0.904)	138678	80.0000	25
$	17 Phenol-d5 (SUR)	99	4.163	4.163	(0.921)	1062078	80.0000	72
	1 Phenol	94	4.181	4.181	(0.925)	1117244	80.0000	71
	73 Aniline	93	4.199	4.199	(0.928)	1443216	80.0000	74
	20 bis(2-Chloroethyl)ether	93	4.263	4.263	(0.943)	1038956	80.0000	75
	2 2-Chlorophenol	128	4.328	4.328	(0.957)	1017981	80.0000	72
	113 n-decane	43	4.369	4.369	(0.966)	1067485	80.0000	63
	21 1,3-Dichlorobenzene	146	4.475	4.475	(0.990)	1193769	80.0000	71
*	79 1,4-Dichlorobenzene-d4	152	4.522	4.522	(1.000)	405314	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16889.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22	1,4-Dichlorobenzene	146	4.546	4.546	(1.005)	1152813	80.0000	70
74	Benzyl Alcohol	108	4.669	4.669	(1.033)	639656	80.0000	79
23	1,2-Dichlorobenzene	146	4.699	4.699	(1.039)	1112930	80.0000	71
3	2-Methylphenol	108	4.775	4.775	(1.056)	828040	80.0000	72
24	bis (2-chloroisopropyl) ether	45	4.793	4.793	(1.060)	1433109	80.0000	67
104	Acetophenone	105	4.940	4.940	(1.092)	1026476	80.0000	66
4	4-Methylphenol	108	4.940	4.940	(1.092)	751032	80.0000	66
123	3 & 4 Methylphenol	108	4.940	4.940	(1.092)	750982	80.0000	66
25	N-Nitroso-di-n-propylamine	70	4.946	4.946	(1.094)	541785	80.0000	69(M)
126	O-Toluidine	107	4.922	4.922	(1.088)	1839410	80.0000	70(M)
26	Hexachloroethane	117	5.034	5.034	(1.113)	447674	80.0000	70
$ 76	Nitrobenzene-d5 (SUR)	82	5.087	5.087	(0.876)	952396	80.0000	74
27	Nitrobenzene	77	5.110	5.110	(0.880)	1109842	80.0000	69
107	N,N-Dimethylaniline	120	5.110	5.110	(1.130)	1259702	80.0000	69
28	Isophorone	82	5.351	5.351	(0.922)	1566061	80.0000	74
5	2-Nitrophenol	139	5.422	5.422	(0.934)	566288	80.0000	75
6	2,4-Dimethylphenol	122	5.469	5.469	(0.942)	790225	80.0000	72
29	bis(2-Chloroethoxy)methane	93	5.557	5.557	(0.957)	1018669	80.0000	73
15	Benzoic Acid	122	5.634	5.634	(0.971)	515801	80.0000	77(MH)
7	2,4-Dichlorophenol	162	5.663	5.663	(0.976)	715024	80.0000	71
30	1,2,4-Trichlorobenzene	180	5.746	5.746	(0.990)	836729	80.0000	71
* 80	Naphthalene-d8	136	5.804	5.804	(1.000)	1433782	40.0000	
31	Naphthalene	128	5.828	5.828	(1.004)	2584562	80.0000	70
32	4-Chloroaniline	127	5.881	5.881	(1.013)	1012567	80.0000	71
33	Hexachlorobutadiene	225	5.957	5.957	(1.026)	457579	80.0000	70
111	Caprolactam	113	6.281	6.281	(1.082)	234523	80.0000	74(H)
8	4-Chloro-3-methylphenol	107	6.375	6.375	(1.098)	639331	80.0000	77
34	2-Methylnaphthalene	142	6.522	6.522	(1.124)	1681750	80.0000	70
120	1-Methylnaphthalene	142	6.622	6.622	(1.141)	1687823	80.0000	71
35	Hexachlorocyclopentadiene	237	6.687	6.687	(0.885)	426755	80.0000	71
129	1,2,4,5-Tetrachlorobenzene	216	6.693	6.693	(0.886)	656958	80.0000	70
121	2-tert-Butyl-4-methylphenol	149	6.722	6.722	(1.158)	1112877	80.0000	72
9	2,4,6-Trichlorophenol	196	6.804	6.804	(0.900)	503167	80.0000	78
10	2,4,5-Trichlorophenol	196	6.845	6.845	(0.906)	490304	80.0000	77
$ 77	2-Fluorobiphenyl (SUR)	172	6.887	6.887	(0.911)	1705150	80.0000	74
102	Diphenyl	154	6.987	6.987	(0.924)	1846496	80.0000	71
36	2-Chloronaphthalene	162	7.010	7.010	(0.928)	1410902	80.0000	71
103	Diphenyl Ether	170	7.093	7.093	(0.938)	1020264	80.0000	73
37	2-Nitroaniline	65	7.110	7.110	(0.941)	471270	80.0000	79
125	1,3-Dimethylnaphthalene	156	7.228	7.228	(0.956)	1215292	80.0000	73
38	Dimethylphthalate	163	7.293	7.293	(0.965)	1505372	80.0000	75
114	Coumarin	146	7.316	7.316	(1.260)	533636	80.0000	74
40	2,6-Dinitrotoluene	165	7.351	7.351	(0.973)	370375	80.0000	79
39	Acenaphthylene	152	7.422	7.422	(0.982)	2212630	80.0000	73
41	3-Nitroaniline	138	7.516	7.516	(0.995)	405882	80.0000	78
* 82	Acenaphthene-d10	164	7.557	7.557	(1.000)	640076	40.0000	
122	2,6-Di-tert-butyl-p-cresol	205	7.581	7.581	(1.003)	1180837	80.0000	72

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16889.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.592	7.592	(1.005)	1284366	80.0000	68
	11 2,4-Dinitrophenol	184	7.622	7.622	(1.009)	223933	80.0000	89
	12 4-Nitrophenol	65	7.681	7.681	(1.016)	241462	80.0000	84
	44 2,4-Dinitrotoluene	165	7.751	7.751	(1.026)	440535	80.0000	78
	43 Dibenzofuran	168	7.763	7.763	(1.027)	1834580	80.0000	72
	127 1-Naphthylamine	143	7.840	7.840	(1.037)	1244552	80.0000	77
	130 2,3,4,6-Tetrachlorophenol	232	7.887	7.887	(1.044)	359477	80.0000	80
	128 2-Naphthylamine	143	7.922	7.922	(1.048)	1282391	80.0000	75
	45 Diethylphthalate	149	7.992	7.992	(1.058)	1443404	80.0000	76
	46 4-Chlorophenyl-phenylether	204	8.098	8.098	(1.072)	604784	80.0000	67
	47 Fluorene	166	8.104	8.104	(1.072)	1361502	80.0000	70
	48 4-Nitroaniline	138	8.128	8.128	(1.075)	360964	80.0000	79
	13 4,6-Dinitro-2-methylphenol	198	8.157	8.157	(0.904)	267194	80.0000	81
	49 N-Nitrosodiphenylamine	169	8.216	8.216	(0.910)	1037673	80.0000	73
	75 1,2-Diphenylhydrazine	77	8.257	8.257	(0.915)	1560292	80.0000	72
$	18 2,4,6-Tribromophenol (SUR)	330	8.339	8.339	(1.104)	261774	80.0000	82
	50 4-Bromophenyl-phenylether	248	8.581	8.581	(0.950)	415243	80.0000	72
	51 Hexachlorobenzene	284	8.657	8.657	(0.959)	461005	80.0000	72
	112 Atrazine	200	8.745	8.745	(0.969)	360667	80.0000	76
	14 Pentachlorophenol	266	8.839	8.839	(0.979)	302174	80.0000	83
	115 n-Octadecane	57	8.916	8.916	(0.988)	1020748	80.0000	68
*	83 Phenanthrene-d10	188	9.028	9.028	(1.000)	898291	40.0000	
	52 Phenanthrene	178	9.051	9.051	(1.003)	1883499	80.0000	72
	53 Anthracene	178	9.104	9.104	(1.008)	1889177	80.0000	71
	54 Carbazole	167	9.257	9.257	(1.025)	1616446	80.0000	74
	55 Di-n-butylphthalate	149	9.592	9.592	(1.063)	2074729	80.0000	73
	56 Fluoranthene	202	10.222	10.222	(1.132)	1722829	80.0000	76
	58 Benzidine	184	10.345	10.345	(1.146)	195716	80.0000	49
	57 Pyrene	202	10.457	10.457	(0.883)	1700003	80.0000	74
$	78 Terphenyl-d14	244	10.610	10.610	(0.896)	1224035	80.0000	76
	59 Butylbenzylphthalate	149	11.145	11.145	(0.941)	752468	80.0000	82
	124 Carbamazepine	193	11.280	11.280	(0.953)	513101	80.0000	97
	60 3,3'-Dichlorobenzidine	252	11.786	11.786	(0.996)	331652	80.0000	76
	61 Benzo(a)anthracene	228	11.828	11.828	(0.999)	1186363	80.0000	77
*	81 Chrysene-d12	240	11.839	11.839	(1.000)	473086	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.851	11.851	(1.001)	1008797	80.0000	82
	62 Chrysene	228	11.875	11.875	(1.003)	1088424	80.0000	77
	64 Di-n-octylphthalate	149	12.727	12.727	(0.923)	1444855	80.0000	91
	65 Benzo(b)fluoranthene	252	13.263	13.263	(0.962)	912408	80.0000	84
	66 Benzo(k)fluoranthene	252	13.304	13.304	(0.965)	904166	80.0000	75(H)
	67 Benzo(a)pyrene	252	13.716	13.716	(0.995)	711595	80.0000	81
*	84 Perylene-d12	264	13.786	13.786	(1.000)	370075	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.380	15.380	(1.116)	682034	80.0000	88
	69 Dibenz(a,h)anthracene	278	15.415	15.415	(1.118)	649725	80.0000	84
	70 Benzo(g,h,i)perylene	276	15.833	15.833	(1.148)	646264	80.0000	80

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16889.d
Report Date: 02-Aug-2011 15:35

QC Flag Legend

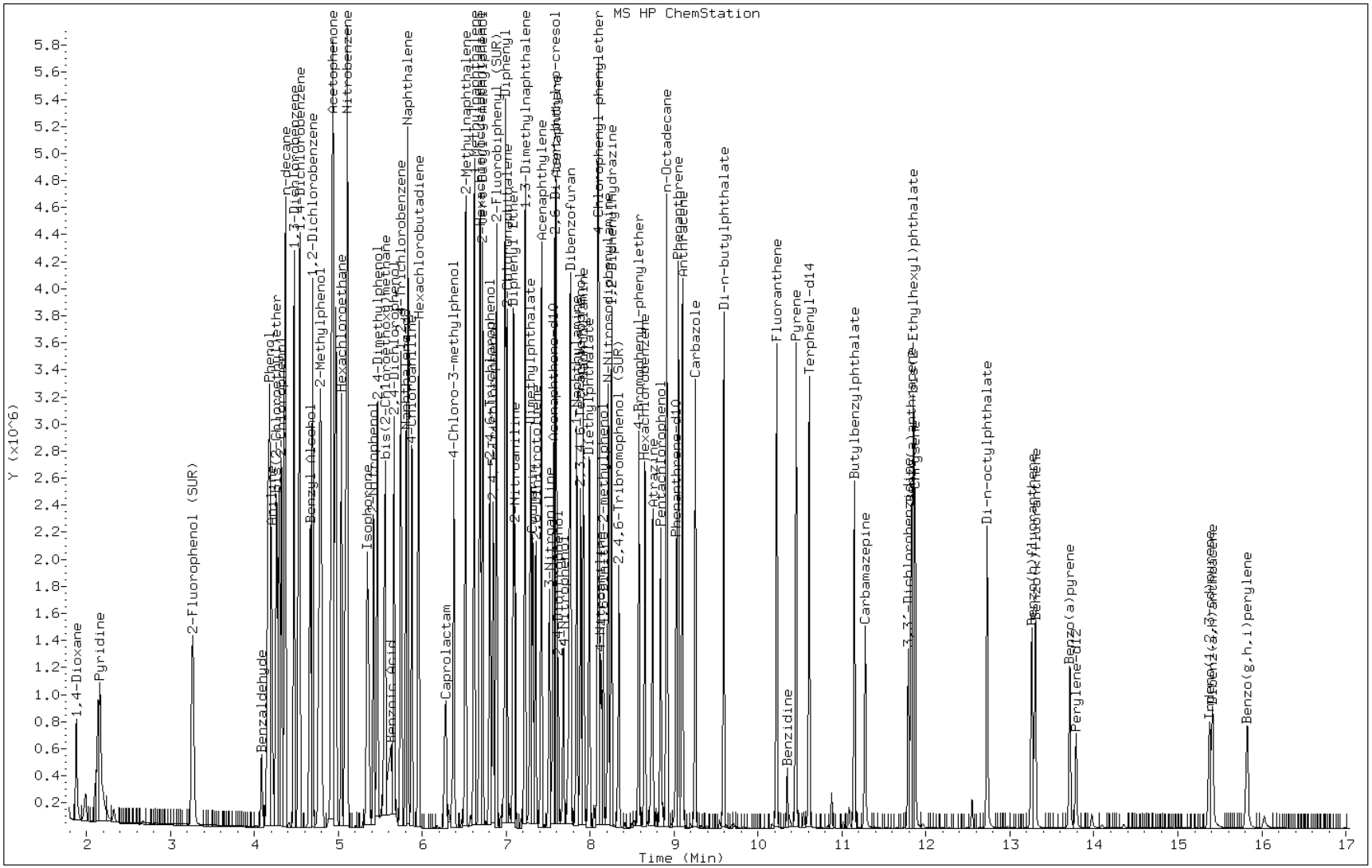
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x16889.d

Date: 02-AUG-2011 13:56

Client ID: Instrument: BNAMS5.i

Sample Info: IC-1094479 Operator: BNAMS 4



Manual Integration Report

Data File: x16889.d
Inj. Date and Time: 02-AUG-2011 13:56
Instrument ID: BNAMS5.i
Client ID:
Compound: 15 Benzoic Acid
CAS #: 65-85-0
Report Date: 08/03/2011

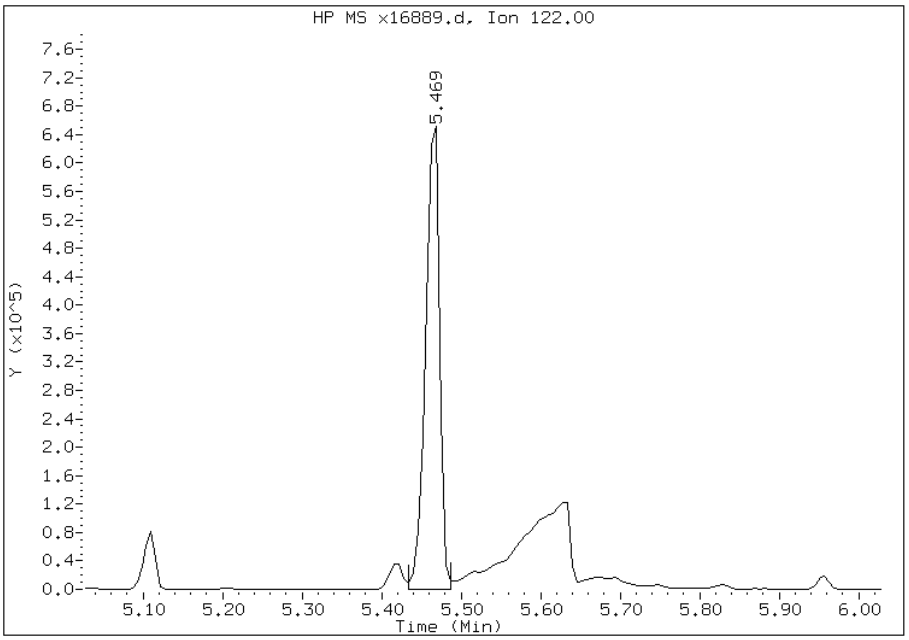
Processing Integration Results

RT: 5.47

Response: 810516

Amount: 92

Conc: 92



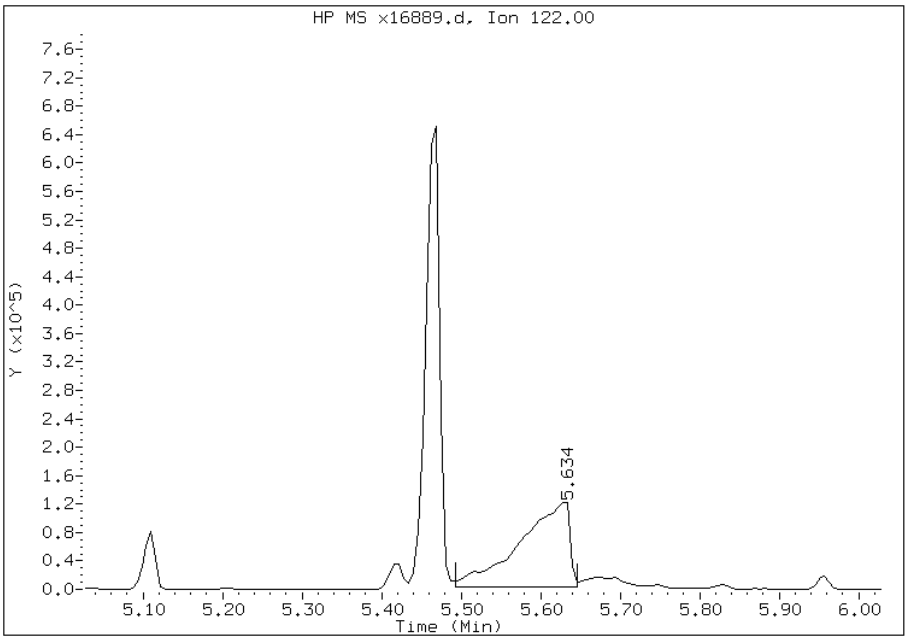
Manual Integration Results

RT: 5.63

Response: 515801

Amount: 77

Conc: 77



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16889.d
Inj. Date and Time: 02-AUG-2011 13:56
Instrument ID: BNAMS5.i
Client ID:
Compound: 71 Pyridine
CAS #: 110-86-1
Report Date: 08/03/2011

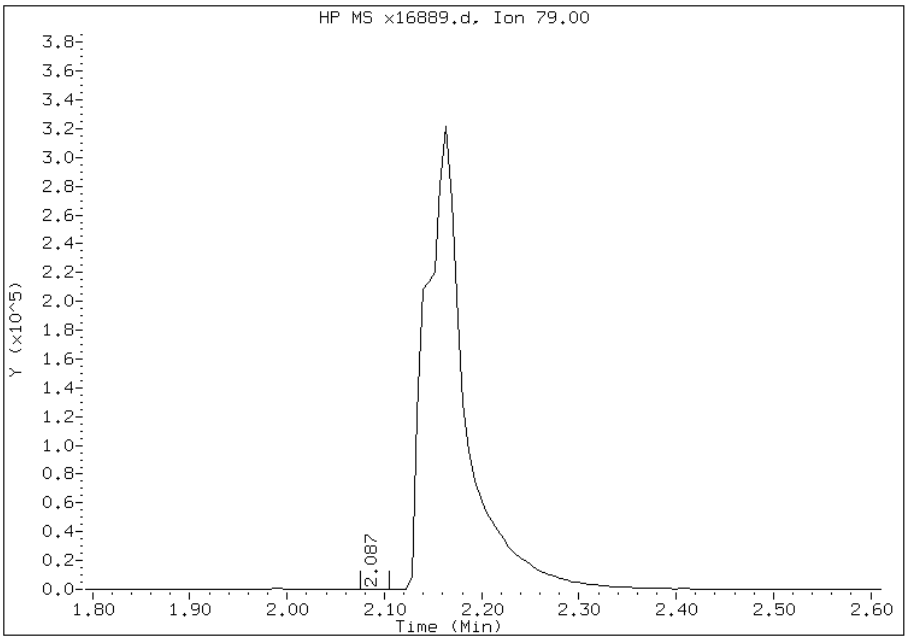
Processing Integration Results

RT: 2.09

Response: 121

Amount: 0

Conc: 0



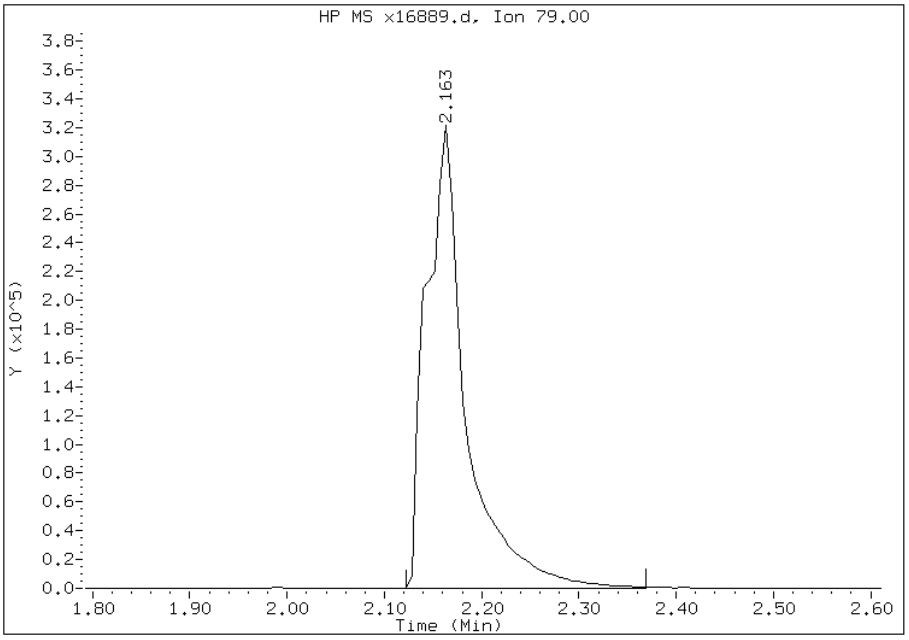
Manual Integration Results

RT: 2.16

Response: 908960

Amount: 75

Conc: 75



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16889.d
Inj. Date and Time: 02-AUG-2011 13:56
Instrument ID: BNAMS5.i
Client ID:
Compound: 25 N-Nitroso-di-n-propylamine
CAS #: 621-64-7
Report Date: 08/03/2011

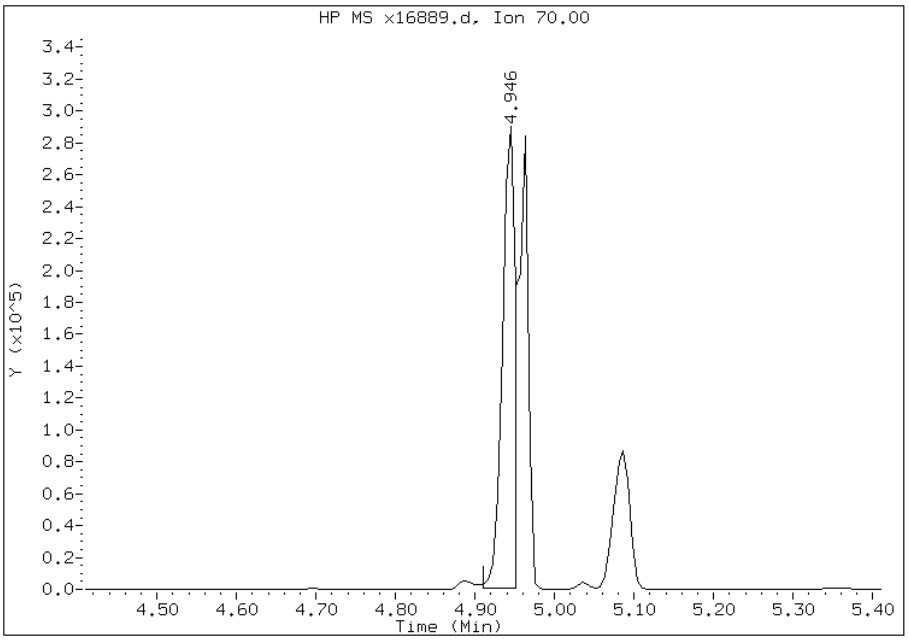
Processing Integration Results

RT: 4.95

Response: 340380

Amount: 56

Conc: 56



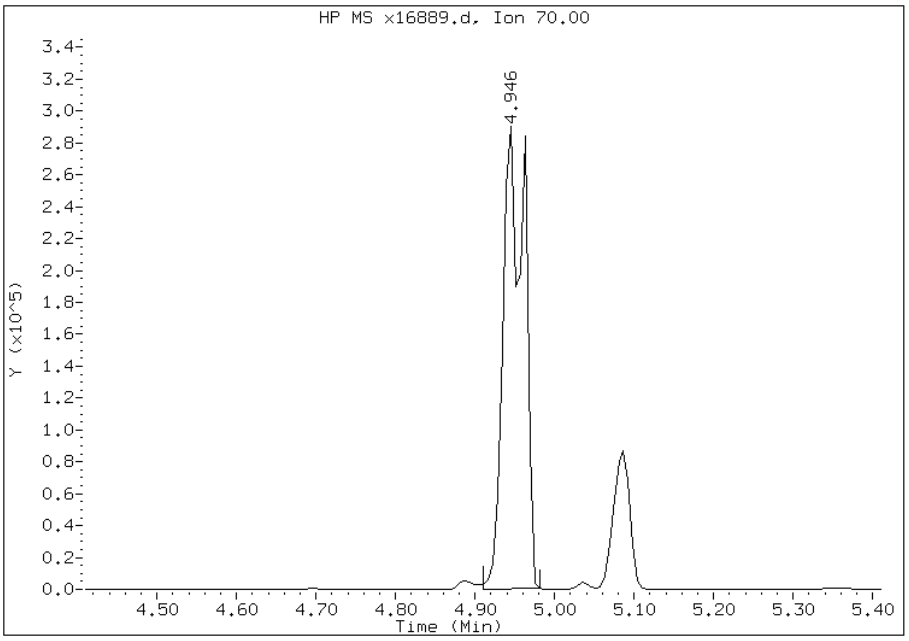
Manual Integration Results

RT: 4.95

Response: 541785

Amount: 69

Conc: 69



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16889.d
Inj. Date and Time: 02-AUG-2011 13:56
Instrument ID: BNAMS5.i
Client ID:
Compound: 19 N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 08/03/2011

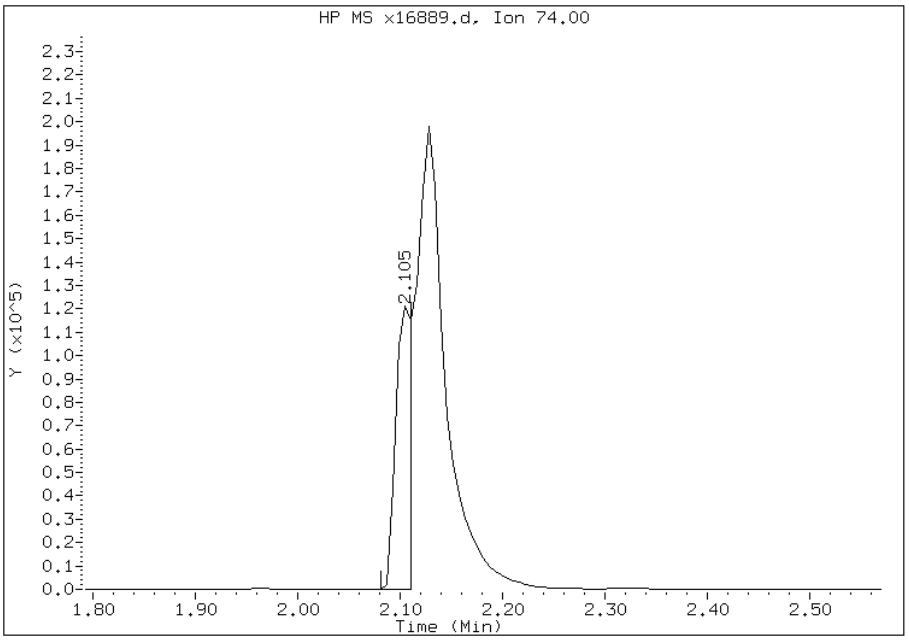
Processing Integration Results

RT: 2.10

Response: 136259

Amount: 25

Conc: 25



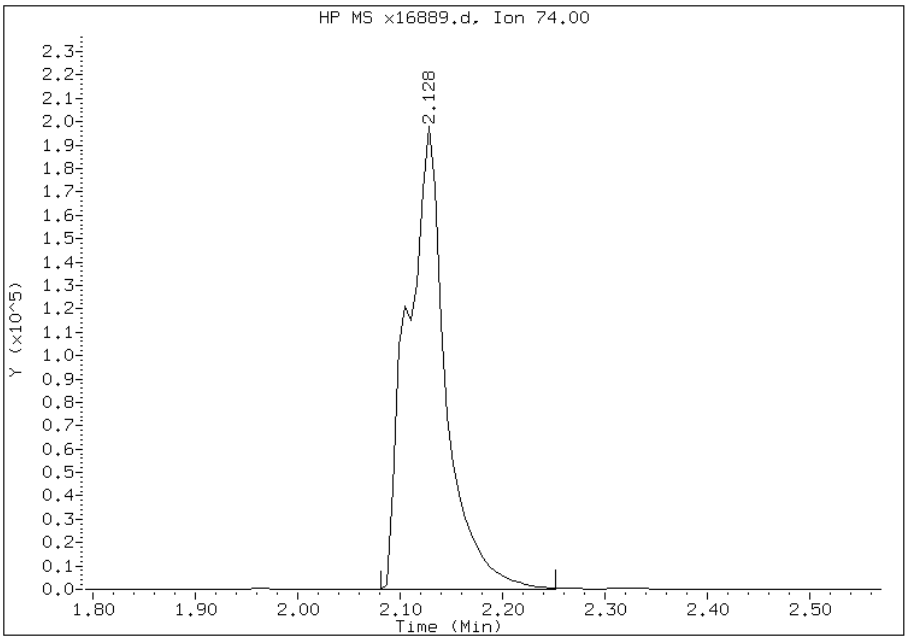
Manual Integration Results

RT: 2.13

Response: 517838

Amount: 77

Conc: 77



Manually Integrated By: wahied
Manual Integration Reason:

Manual Integration Report

Data File: x16889.d
Inj. Date and Time: 02-AUG-2011 13:56
Instrument ID: BNAMS5.i
Client ID:
Compound: 126 O-Toluidine
CAS #: 95-53-4
Report Date: 08/03/2011

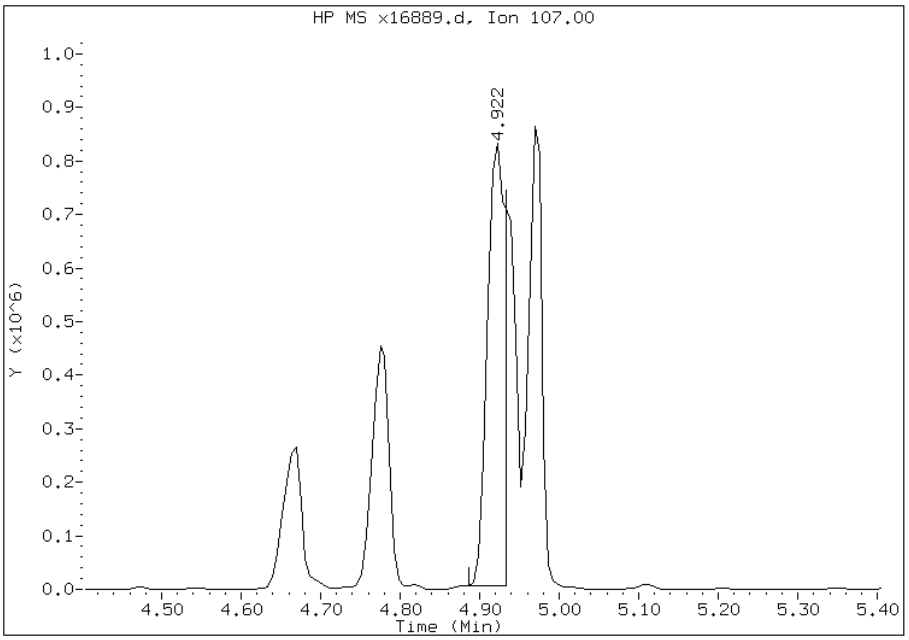
Processing Integration Results

RT: 4.92

Response: 1358271

Amount: 57

Conc: 57



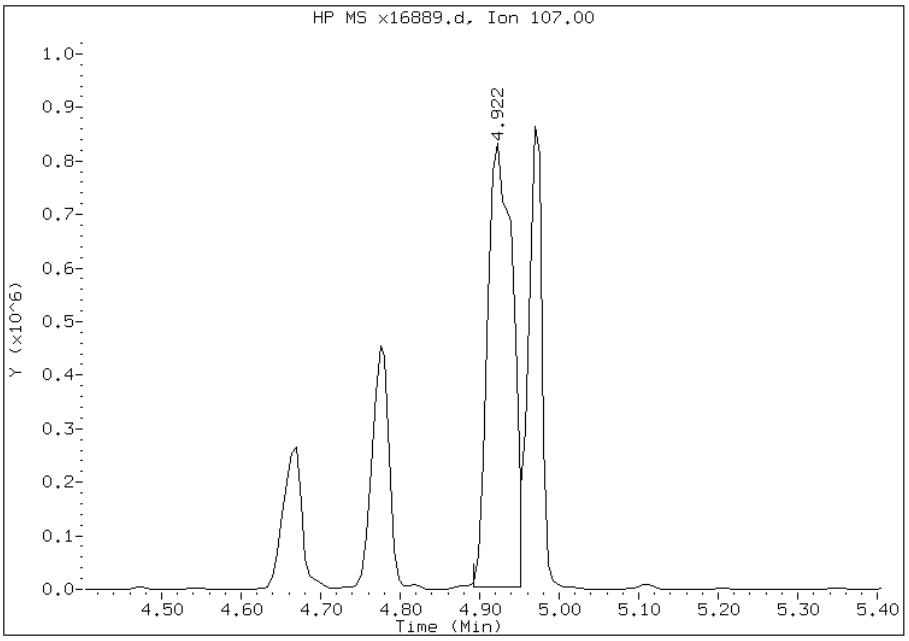
Manual Integration Results

RT: 4.92

Response: 1839410

Amount: 70

Conc: 70



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16890.d
Report Date: 02-Aug-2011 15:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16890.d
Lab Smp Id: IC-1094481
Inj Date : 02-AUG-2011 14:20
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-1094481
Misc Info : 20 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 15:35 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 14:20 Cal File: x16890.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
106	1,4-Dioxane	88	1.846	1.846	(0.409)	91013	20.0000	21(H)
19	N-Nitrosodimethylamine	74	2.063	2.063	(0.457)	123252	20.0000	20(H)
71	Pyridine	79	2.104	2.104	(0.466)	225152	20.0000	21
$ 16	2-Fluorophenol (SUR)	112	3.228	3.228	(0.715)	237212	20.0000	20
110	Benzaldehyde	77	4.075	4.075	(0.902)	144365	20.0000	29
$ 17	Phenol-d5 (SUR)	99	4.134	4.134	(0.915)	265661	20.0000	20
1	Phenol	94	4.151	4.151	(0.919)	287448	20.0000	20(H)
73	Aniline	93	4.181	4.181	(0.926)	357811	20.0000	21
20	bis(2-Chloroethyl)ether	93	4.240	4.240	(0.939)	255840	20.0000	21
2	2-Chlorophenol	128	4.304	4.304	(0.953)	264445	20.0000	21
113	n-decane	43	4.357	4.357	(0.965)	339606	20.0000	22
21	1,3-Dichlorobenzene	146	4.463	4.463	(0.988)	325080	20.0000	22
* 79	1,4-Dichlorobenzene-d4	152	4.516	4.516	(1.000)	361660	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16890.d
Report Date: 02-Aug-2011 15:35

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.534	4.534	(1.004)	327282	20.0000	22
	74 Benzyl Alcohol	108	4.645	4.645	(1.029)	140050	20.0000	19
	23 1,2-Dichlorobenzene	146	4.687	4.687	(1.038)	305141	20.0000	22
	3 2-Methylphenol	108	4.757	4.757	(1.053)	205759	20.0000	20
	24 bis (2-chloroisopropyl) ether	45	4.787	4.787	(1.060)	419114	20.0000	22
	104 Acetophenone	105	4.916	4.916	(1.089)	280316	20.0000	20
	4 4-Methylphenol	108	4.910	4.910	(1.087)	204242	20.0000	20(H)
	123 3 & 4 Methylphenol	108	4.910	4.910	(1.087)	205851	20.0000	20(H)
	25 N-Nitroso-di-n-propylamine	70	4.916	4.916	(1.089)	145281	20.0000	21(H)
	126 O-Toluidine	107	4.910	4.910	(1.087)	462528	20.0000	20
	26 Hexachloroethane	117	5.028	5.028	(1.113)	122537	20.0000	22
$	76 Nitrobenzene-d5 (SUR)	82	5.069	5.069	(0.874)	223844	20.0000	20
	27 Nitrobenzene	77	5.087	5.087	(0.877)	307465	20.0000	22
	107 N,N-Dimethylaniline	120	5.093	5.093	(1.128)	369249	20.0000	23
	28 Isophorone	82	5.328	5.328	(0.919)	362650	20.0000	20
	5 2-Nitrophenol	139	5.410	5.410	(0.933)	133990	20.0000	20
	6 2,4-Dimethylphenol	122	5.451	5.451	(0.940)	193665	20.0000	20
	29 bis(2-Chloroethoxy)methane	93	5.545	5.545	(0.956)	252333	20.0000	21
	15 Benzoic Acid	122	5.545	5.545	(0.956)	118016	20.0000	20(H)
	7 2,4-Dichlorophenol	162	5.651	5.651	(0.975)	178902	20.0000	20
	30 1,2,4-Trichlorobenzene	180	5.740	5.740	(0.990)	223622	20.0000	22
*	80 Naphthalene-d8	136	5.798	5.798	(1.000)	1249761	40.0000	
	31 Naphthalene	128	5.816	5.816	(1.003)	692227	20.0000	22
	32 4-Chloroaniline	127	5.869	5.869	(1.012)	254750	20.0000	20
	33 Hexachlorobutadiene	225	5.951	5.951	(1.026)	125495	20.0000	22
	111 Caprolactam	113	6.204	6.204	(1.070)	47828	20.0000	17
	8 4-Chloro-3-methylphenol	107	6.357	6.357	(1.096)	130105	20.0000	18
	34 2-Methylnaphthalene	142	6.510	6.510	(1.123)	437194	20.0000	21
	120 1-Methylnaphthalene	142	6.610	6.610	(1.140)	419929	20.0000	20
	35 Hexachlorocyclopentadiene	237	6.681	6.681	(0.885)	113342	20.0000	23
	129 1,2,4,5-Tetrachlorobenzene	216	6.687	6.687	(0.885)	175766	20.0000	22
	121 2-tert-Butyl-4-methylphenol	149	6.710	6.710	(1.157)	260954	20.0000	20
	9 2,4,6-Trichlorophenol	196	6.792	6.792	(0.900)	106447	20.0000	20
	10 2,4,5-Trichlorophenol	196	6.828	6.828	(0.904)	105097	20.0000	20
$	77 2-Fluorobiphenyl (SUR)	172	6.881	6.881	(0.911)	415296	20.0000	21
	102 Diphenyl	154	6.981	6.981	(0.924)	467925	20.0000	21
	36 2-Chloronaphthalene	162	6.998	6.998	(0.927)	369685	20.0000	22
	103 Diphenyl Ether	170	7.081	7.081	(0.938)	255708	20.0000	22
	37 2-Nitroaniline	65	7.092	7.092	(0.939)	103830	20.0000	21
	125 1,3-Dimethylnaphthalene	156	7.216	7.216	(0.956)	295303	20.0000	21
	38 Dimethylphthalate	163	7.275	7.275	(0.963)	331784	20.0000	20
	114 Coumarin	146	7.298	7.298	(1.259)	110872	20.0000	18
	40 2,6-Dinitrotoluene	165	7.334	7.334	(0.971)	76581	20.0000	20
	39 Acenaphthylene	152	7.410	7.410	(0.981)	539513	20.0000	21
	41 3-Nitroaniline	138	7.498	7.498	(0.993)	82784	20.0000	19
*	82 Acenaphthene-d10	164	7.551	7.551	(1.000)	537087	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.569	7.569	(1.002)	298097	20.0000	22

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16890.d
Report Date: 02-Aug-2011 15:35

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.586	7.586	(1.005)	346342	20.0000	22
	11 2,4-Dinitrophenol	184	7.598	7.598	(1.006)	53114	30.0000	25
	12 4-Nitrophenol	65	7.663	7.663	(1.015)	60709	30.0000	25
	44 2,4-Dinitrotoluene	165	7.734	7.734	(1.024)	90865	20.0000	19
	43 Dibenzofuran	168	7.751	7.751	(1.026)	449005	20.0000	21
	127 1-Naphthylamine	143	7.828	7.828	(1.037)	259964	20.0000	19
	130 2,3,4,6-Tetrachlorophenol	232	7.875	7.875	(1.043)	69149	20.0000	18
	128 2-Naphthylamine	143	7.904	7.904	(1.047)	271906	20.0000	19
	45 Diethylphthalate	149	7.975	7.975	(1.056)	302720	20.0000	19
	46 4-Chlorophenyl-phenylether	204	8.092	8.092	(1.072)	157610	20.0000	21
	47 Fluorene	166	8.092	8.092	(1.072)	343973	20.0000	21
	48 4-Nitroaniline	138	8.104	8.104	(1.073)	70689	20.0000	18
	13 4,6-Dinitro-2-methylphenol	198	8.133	8.133	(0.902)	66902	30.0000	28
	49 N-Nitrosodiphenylamine	169	8.204	8.204	(0.909)	204225	20.0000	20
	75 1,2-Diphenylhydrazine	77	8.245	8.245	(0.914)	355203	20.0000	23
$	18 2,4,6-Tribromophenol (SUR)	330	8.328	8.328	(1.103)	46827	20.0000	17
	50 4-Bromophenyl-phenylether	248	8.575	8.575	(0.950)	89900	20.0000	22
	51 Hexachlorobenzene	284	8.645	8.645	(0.958)	98308	20.0000	21
	112 Atrazine	200	8.728	8.728	(0.967)	65621	20.0000	19
	14 Pentachlorophenol	266	8.833	8.833	(0.979)	70831	30.0000	27
	115 n-Octadecane	57	8.910	8.910	(0.988)	247433	20.0000	23
*	83 Phenanthrene-d10	188	9.022	9.022	(1.000)	646836	40.0000	
	52 Phenanthrene	178	9.039	9.039	(1.002)	405183	20.0000	21
	53 Anthracene	178	9.092	9.092	(1.008)	411570	20.0000	22
	54 Carbazole	167	9.245	9.245	(1.025)	323274	20.0000	20
	55 Di-n-butylphthalate	149	9.586	9.586	(1.063)	405170	20.0000	20
	56 Fluoranthene	202	10.216	10.216	(1.132)	330071	20.0000	20
	58 Benzidine	184	10.339	10.339	(1.146)	126053	30.0000	44
	57 Pyrene	202	10.445	10.445	(0.883)	320906	20.0000	20
$	78 Terphenyl-d14	244	10.604	10.604	(0.897)	210712	20.0000	19
	59 Butylbenzylphthalate	149	11.139	11.139	(0.942)	118509	20.0000	18
	124 Carbamazepine	193	11.269	11.269	(0.953)	68837	20.0000	19
	60 3,3'-Dichlorobenzidine	252	11.780	11.780	(0.996)	93488	30.0000	30
	61 Benzo(a)anthracene	228	11.816	11.816	(0.999)	210293	20.0000	20
*	81 Chrysene-d12	240	11.827	11.827	(1.000)	330071	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.851	11.851	(1.002)	154293	20.0000	18
	62 Chrysene	228	11.863	11.863	(1.003)	206627	20.0000	21
	64 Di-n-octylphthalate	149	12.721	12.721	(0.923)	204097	20.0000	17
	65 Benzo(b)fluoranthene	252	13.251	13.251	(0.961)	169000	20.0000	20
	66 Benzo(k)fluoranthene	252	13.286	13.286	(0.964)	189624	20.0000	21(H)
	67 Benzo(a)pyrene	252	13.704	13.704	(0.994)	139805	20.0000	21
*	84 Perylene-d12	264	13.786	13.786	(1.000)	284101	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.368	15.368	(1.115)	124806	20.0000	21(M)
	69 Dibenz(a,h)anthracene	278	15.398	15.398	(1.117)	133200	20.0000	22
	70 Benzo(g,h,i)perylene	276	15.809	15.809	(1.147)	133448	20.0000	22

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16890.d
Report Date: 02-Aug-2011 15:35

QC Flag Legend

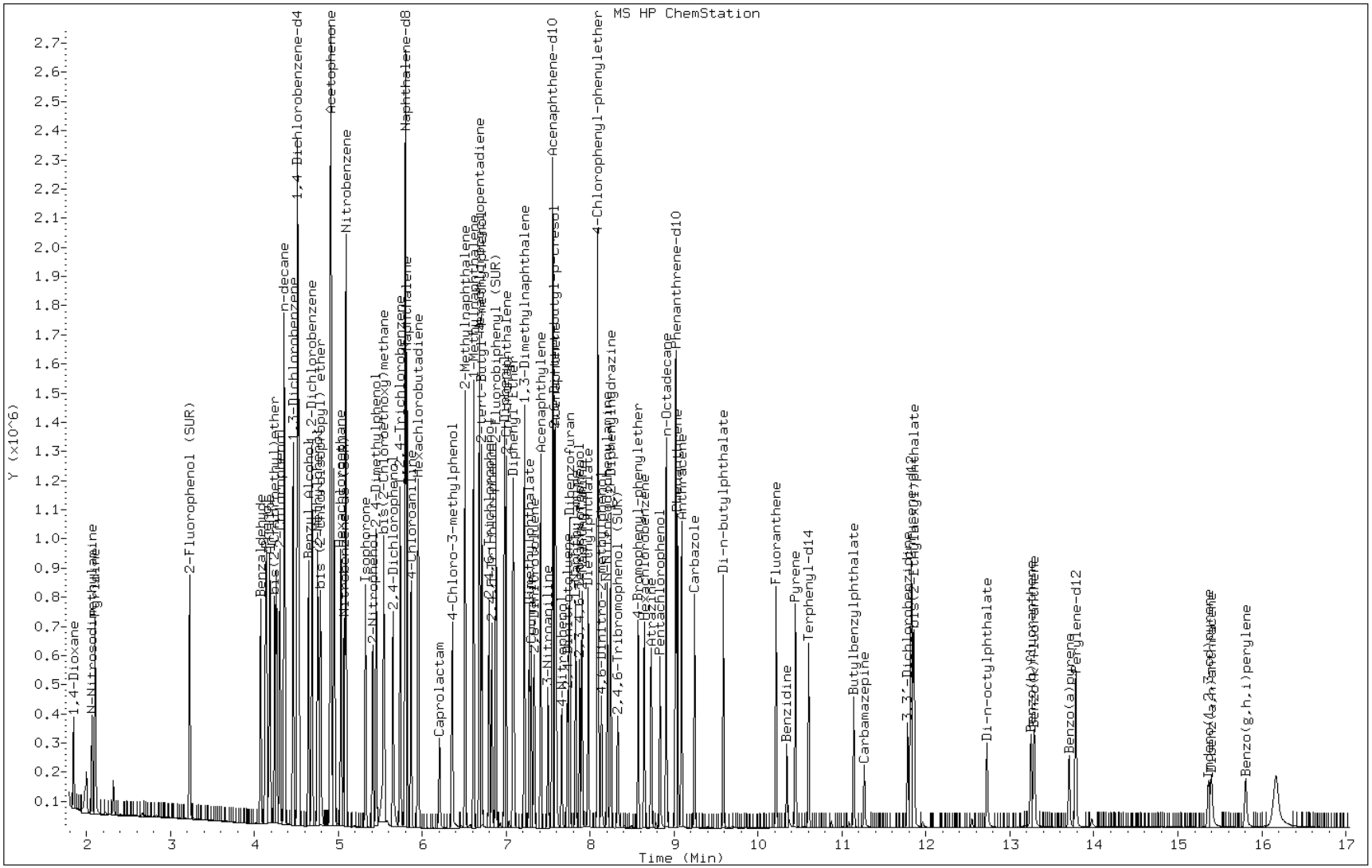
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x16890.d

Date: 02-AUG-2011 14:20

Client ID: Instrument: BNAMS5.i

Sample Info: IC-1094481 Operator: BNAMS 4



Manual Integration Report

Data File: x16890.d
Inj. Date and Time: 02-AUG-2011 14:20
Instrument ID: BNAMS5.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/03/2011

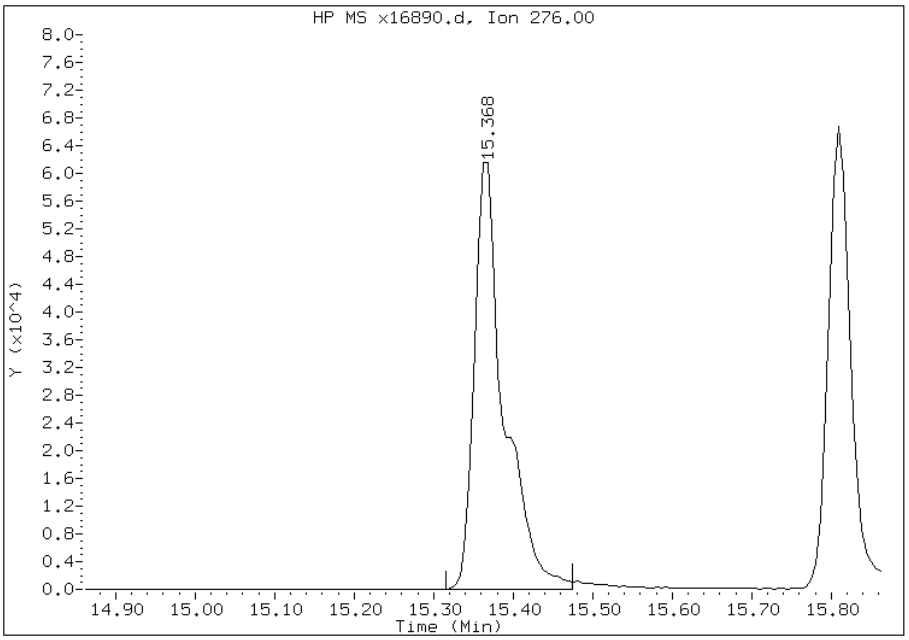
Processing Integration Results

RT: 15.37

Response: 158900

Amount: 26

Conc: 26



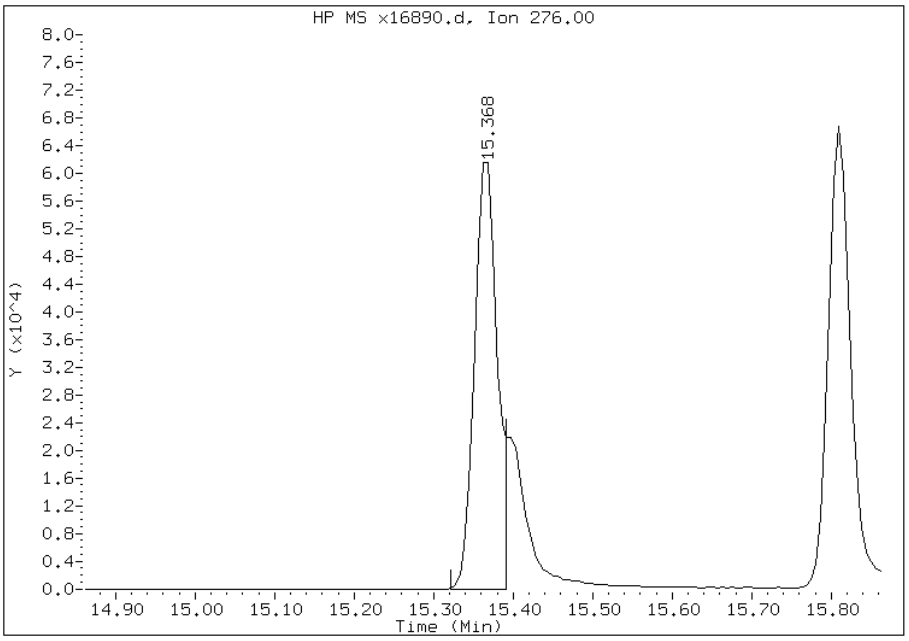
Manual Integration Results

RT: 15.37

Response: 124806

Amount: 21

Conc: 21



Manually Integrated By: wahied
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16891.d
Report Date: 02-Aug-2011 15:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16891.d
Lab Smp Id: IC-1094482
Inj Date : 02-AUG-2011 14:44
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : IC-1094482
Misc Info : 10 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/8270C_08SP.m
Meth Date : 02-Aug-2011 15:35 monica Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.852	1.852	(0.410)	47279	10.0000	10(H)
	19 N-Nitrosodimethylamine	74	2.069	2.069	(0.458)	63519	10.0000	10(H)
	71 Pyridine	79	2.110	2.110	(0.467)	117348	10.0000	11
$	16 2-Fluorophenol (SUR)	112	3.228	3.228	(0.715)	126545	10.0000	11
	110 Benzaldehyde	77	4.075	4.075	(0.902)	82235	10.0000	16
$	17 Phenol-d5 (SUR)	99	4.128	4.128	(0.914)	143079	10.0000	11
	1 Phenol	94	4.145	4.145	(0.918)	153099	10.0000	11(H)
	73 Aniline	93	4.181	4.181	(0.926)	187832	10.0000	11
	20 bis(2-Chloroethyl)ether	93	4.240	4.240	(0.939)	131163	10.0000	10
	2 2-Chlorophenol	128	4.304	4.304	(0.953)	139564	10.0000	11
	113 n-decane	43	4.357	4.357	(0.965)	178851	10.0000	12
	21 1,3-Dichlorobenzene	146	4.463	4.463	(0.988)	167604	10.0000	11
*	79 1,4-Dichlorobenzene-d4	152	4.516	4.516	(1.000)	367717	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16891.d
Report Date: 02-Aug-2011 15:36

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22	1,4-Dichlorobenzene	146	4.534	4.534	(1.004)	165144	10.0000	11
	74	Benzyl Alcohol	108	4.640	4.640	(1.027)	69519	10.0000	9.5
	23	1,2-Dichlorobenzene	146	4.687	4.687	(1.038)	157583	10.0000	11
	3	2-Methylphenol	108	4.751	4.751	(1.052)	111773	10.0000	11
	24	bis (2-chloroisopropyl) ether	45	4.781	4.781	(1.059)	220494	10.0000	11
	104	Acetophenone	105	4.910	4.910	(1.087)	163275	10.0000	12
	4	4-Methylphenol	108	4.904	4.904	(1.086)	114228	10.0000	11(H)
	123	3 & 4 Methylphenol	108	4.904	4.904	(1.086)	114228	10.0000	11(H)
	25	N-Nitroso-di-n-propylamine	70	4.910	4.910	(1.087)	80577	10.0000	11
	126	O-Toluidine	107	4.904	4.904	(1.086)	258341	10.0000	11
	26	Hexachloroethane	117	5.028	5.028	(1.113)	62073	10.0000	11
$	76	Nitrobenzene-d5 (SUR)	82	5.063	5.063	(0.873)	124484	10.0000	10
	27	Nitrobenzene	77	5.087	5.087	(0.877)	168862	10.0000	11
	107	N,N-Dimethylaniline	120	5.092	5.092	(1.128)	195303	10.0000	12
	28	Isophorone	82	5.322	5.322	(0.918)	202925	10.0000	10
	5	2-Nitrophenol	139	5.404	5.404	(0.932)	72753	10.0000	10
	6	2,4-Dimethylphenol	122	5.445	5.445	(0.939)	103996	10.0000	10
	29	bis(2-Chloroethoxy)methane	93	5.540	5.540	(0.955)	137780	10.0000	11
	15	Benzoic Acid	122	5.528	5.528	(0.953)	64476	10.0000	10(H)
	7	2,4-Dichlorophenol	162	5.651	5.651	(0.975)	97973	10.0000	11
	30	1,2,4-Trichlorobenzene	180	5.739	5.739	(0.990)	118062	10.0000	11
*	80	Naphthalene-d8	136	5.798	5.798	(1.000)	1319353	40.0000	
	31	Naphthalene	128	5.816	5.816	(1.003)	377520	10.0000	11
	32	4-Chloroaniline	127	5.863	5.863	(1.011)	143134	10.0000	11
	33	Hexachlorobutadiene	225	5.951	5.951	(1.026)	65529	10.0000	11
	111	Caprolactam	113	6.192	6.192	(1.068)	30371	10.0000	10
	8	4-Chloro-3-methylphenol	107	6.351	6.351	(1.095)	71142	10.0000	9.3
	34	2-Methylnaphthalene	142	6.510	6.510	(1.123)	242831	10.0000	11
	120	1-Methylnaphthalene	142	6.610	6.610	(1.140)	234057	10.0000	11
	35	Hexachlorocyclopentadiene	237	6.681	6.681	(0.885)	60332	10.0000	10
	129	1,2,4,5-Tetrachlorobenzene	216	6.681	6.681	(0.885)	99226	10.0000	11
	121	2-tert-Butyl-4-methylphenol	149	6.710	6.710	(1.157)	145762	10.0000	10
	9	2,4,6-Trichlorophenol	196	6.792	6.792	(0.900)	62995	10.0000	10
	10	2,4,5-Trichlorophenol	196	6.828	6.828	(0.904)	62088	10.0000	10
$	77	2-Fluorobiphenyl (SUR)	172	6.875	6.875	(0.910)	237677	10.0000	11
	102	Diphenyl	154	6.975	6.975	(0.924)	282330	10.0000	11
	36	2-Chloronaphthalene	162	6.998	6.998	(0.927)	210556	10.0000	11
	103	Diphenyl Ether	170	7.081	7.081	(0.938)	146311	10.0000	11
	37	2-Nitroaniline	65	7.092	7.092	(0.939)	62744	10.0000	11
	125	1,3-Dimethylnaphthalene	156	7.216	7.216	(0.956)	174012	10.0000	11
	38	Dimethylphthalate	163	7.275	7.275	(0.963)	209886	10.0000	11
	114	Coumarin	146	7.298	7.298	(1.259)	69397	10.0000	10
	40	2,6-Dinitrotoluene	165	7.333	7.333	(0.971)	47867	10.0000	10
	39	Acenaphthylene	152	7.410	7.410	(0.981)	319220	10.0000	11
	41	3-Nitroaniline	138	7.498	7.498	(0.993)	51485	10.0000	10
*	82	Acenaphthene-d10	164	7.551	7.551	(1.000)	618983	40.0000	
	122	2,6-Di-tert-butyl-p-cresol	205	7.569	7.569	(1.002)	172110	10.0000	11

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16891.d
Report Date: 02-Aug-2011 15:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	42 Acenaphthene	154	7.581	7.581	(1.004)	210123	10.0000	11
	11 2,4-Dinitrophenol	184	7.598	7.598	(1.006)	44201	20.0000	18
	12 4-Nitrophenol	65	7.657	7.657	(1.014)	52310	20.0000	19
	44 2,4-Dinitrotoluene	165	7.728	7.728	(1.023)	59326	10.0000	11
	43 Dibenzofuran	168	7.751	7.751	(1.026)	274612	10.0000	11
	127 1-Naphthylamine	143	7.828	7.828	(1.037)	158459	10.0000	10
	130 2,3,4,6-Tetrachlorophenol	232	7.875	7.875	(1.043)	42298	10.0000	9.8
	128 2-Naphthylamine	143	7.904	7.904	(1.047)	169153	10.0000	10
	45 Diethylphthalate	149	7.975	7.975	(1.056)	197993	10.0000	11
	46 4-Chlorophenyl-phenylether	204	8.086	8.086	(1.071)	101939	10.0000	12
	47 Fluorene	166	8.092	8.092	(1.072)	213021	10.0000	11
	48 4-Nitroaniline	138	8.098	8.098	(1.072)	46126	10.0000	10
	13 4,6-Dinitro-2-methylphenol	198	8.133	8.133	(0.902)	59259	20.0000	20
	49 N-Nitrosodiphenylamine	169	8.204	8.204	(0.909)	141421	10.0000	11
	75 1,2-Diphenylhydrazine	77	8.245	8.245	(0.914)	222448	10.0000	11
$	18 2,4,6-Tribromophenol (SUR)	330	8.328	8.328	(1.103)	29891	10.0000	9.6
	50 4-Bromophenyl-phenylether	248	8.569	8.569	(0.950)	57760	10.0000	11
	51 Hexachlorobenzene	284	8.645	8.645	(0.958)	63337	10.0000	11
	112 Atrazine	200	8.728	8.728	(0.967)	45785	10.0000	10
	14 Pentachlorophenol	266	8.833	8.833	(0.979)	62763	20.0000	19
	115 n-Octadecane	57	8.904	8.904	(0.987)	155276	10.0000	11
*	83 Phenanthrene-d10	188	9.022	9.022	(1.000)	823004	40.0000	
	52 Phenanthrene	178	9.039	9.039	(1.002)	260179	10.0000	11
	53 Anthracene	178	9.092	9.092	(1.008)	265198	10.0000	11
	54 Carbazole	167	9.245	9.245	(1.025)	210494	10.0000	10
	55 Di-n-butylphthalate	149	9.586	9.586	(1.063)	278180	10.0000	11
	56 Fluoranthene	202	10.216	10.216	(1.132)	222134	10.0000	11
	58 Benzidine	184	10.339	10.339	(1.146)	120305	20.0000	33
	57 Pyrene	202	10.445	10.445	(0.883)	217700	10.0000	10
$	78 Terphenyl-d14	244	10.604	10.604	(0.897)	152131	10.0000	10
	59 Butylbenzylphthalate	149	11.139	11.139	(0.942)	83488	10.0000	10
	124 Carbamazepine	193	11.269	11.269	(0.953)	38143	10.0000	7.9
	60 3,3'-Dichlorobenzidine	252	11.780	11.780	(0.996)	82732	20.0000	21
	61 Benzo(a)anthracene	228	11.816	11.816	(0.999)	136840	10.0000	9.8
*	81 Chrysene-d12	240	11.827	11.827	(1.000)	431968	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.851	11.851	(1.002)	111945	10.0000	10
	62 Chrysene	228	11.863	11.863	(1.003)	133838	10.0000	10
	64 Di-n-octylphthalate	149	12.721	12.721	(0.923)	133747	10.0000	10
	65 Benzo(b)fluoranthene	252	13.251	13.251	(0.961)	93679	10.0000	10
	66 Benzo(k)fluoranthene	252	13.286	13.286	(0.964)	104995	10.0000	10(H)
	67 Benzo(a)pyrene	252	13.704	13.704	(0.994)	75491	10.0000	10
*	84 Perylene-d12	264	13.786	13.786	(1.000)	309597	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.362	15.362	(1.114)	57640	10.0000	8.9
	69 Dibenz(a,h)anthracene	278	15.398	15.398	(1.117)	61501	10.0000	9.5
	70 Benzo(g,h,i)perylene	276	15.809	15.809	(1.147)	63586	10.0000	9.5

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16891.d
Report Date: 02-Aug-2011 15:36

QC Flag Legend

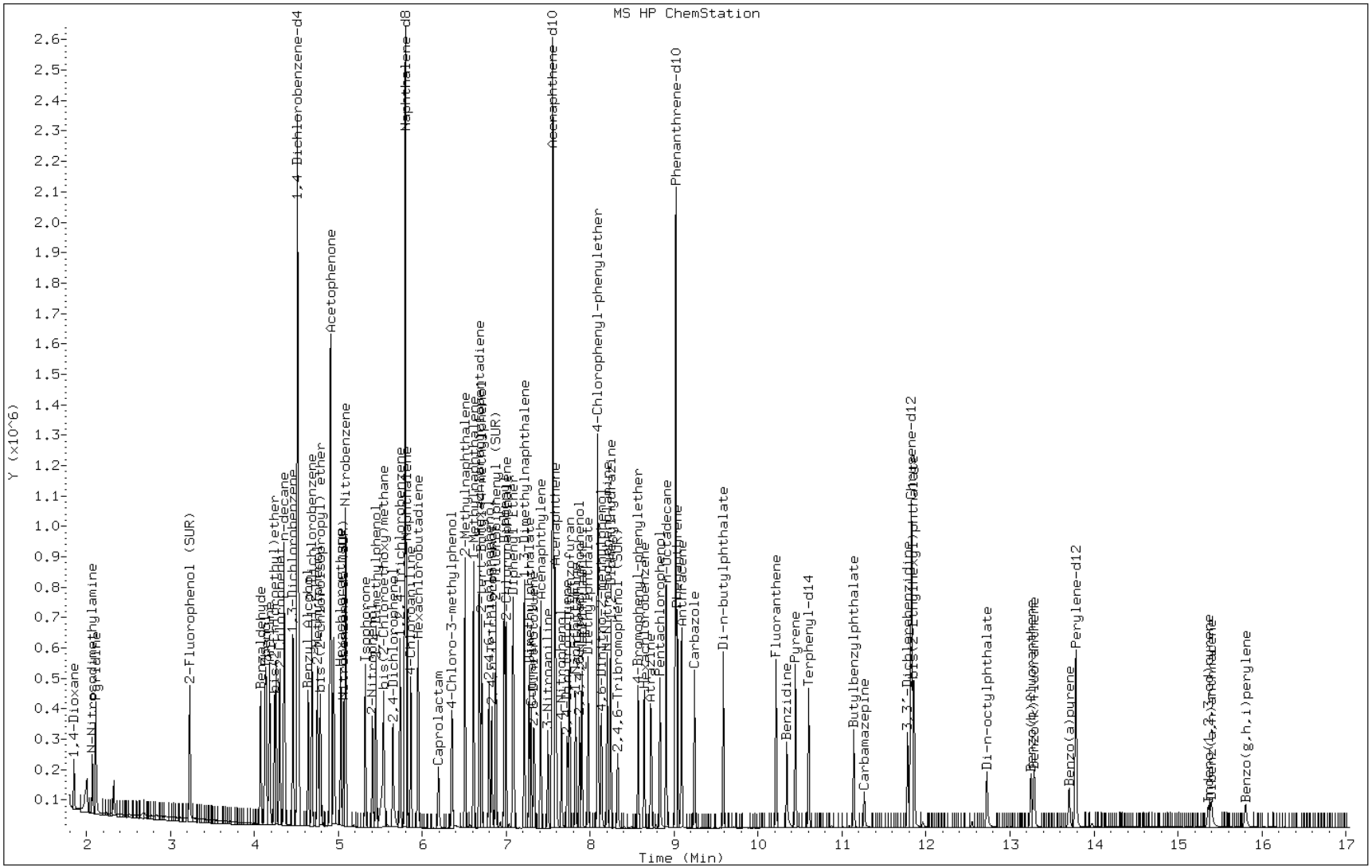
H - Operator selected an alternate compound hit.

Data File: x16891.d

Date: 02-AUG-2011 14:44

Client ID: Instrument: BNAMS5.i

Sample Info: IC-1094482 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83011/2 Calibration Date: 08/12/2011 09:04

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17124.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4879	0.6160		63100	50000	26.3*	20.0
N-Nitrosodimethylamine	Ave	0.6637	0.9269		69800	50000	39.6*	20.0
Pyridine	Ave	1.191	1.512		63500	50000	26.9*	20.0
Benzaldehyde	Ave	0.5416	0.2994		27600	50000	-44.7*	20.0
Phenol	Ave	1.553	1.755		56500	50000	13.0	20.0
Aniline	Ave	1.913	2.080		54300	50000	8.7	20.0
Bis(2-chloroethyl)ether	Ave	1.373	1.406		51200	50000	2.4	20.0
2-Chlorophenol	Ave	1.400	1.488		53200	50000	6.3	20.0
Decane	QuaF	1.668	1.599		53100	50000	6.1	20.0
1,3-Dichlorobenzene	Ave	1.656	1.633		49300	50000	-1.4	20.0
1,4-Dichlorobenzene	Ave	1.633	1.601		49000	50000	-1.9	20.0
Benzyl alcohol	Ave	0.7981	0.9181		57500	50000	15.0	20.0
1,2-Dichlorobenzene	Ave	1.548	1.515		49000	50000	-2.1	20.0
2-Methylphenol	Ave	1.130	1.185		52400	50000	4.9	20.0
2,2'-oxybis[1-chloropropane]	QuaF	2.103	2.105		51600	50000	3.3	20.0
o-Toluidine	Ave	2.594	1.757		33900	50000	-32.3*	20.0
3 & 4 Methylphenol	QuaF	1.122	1.114		53700	50000	7.4	20.0
4-Methylphenol	QuaF	1.120	1.114		53800	50000	7.5	20.0
Acetophenone	QuaF	1.525	1.455		51300	50000	2.5	20.0
N-Nitrosodi-n-propylamine	QuaF	0.7775	0.7867	0.0500	52000	50000	4.1	20.0
Hexachloroethane	Ave	0.6272	0.5950		47400	50000	-5.1	20.0
n,n'-Dimethylaniline	QuaF	1.800	1.793		50500	50000	1.0	20.0
Nitrobenzene	QuaF	0.4494	0.4365		51000	50000	2.1	20.0
Isophorone	Ave	0.5875	0.5998		51100	50000	2.1	20.0
2-Nitrophenol	Ave	0.2109	0.2172		51500	50000	3.0	20.0
2,4-Dimethylphenol	Ave	0.3049	0.3166		51900	50000	3.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.3899	0.3883		49800	50000	-0.4	20.0
Benzoic acid	Ave	0.1871	0.1830		48900	50000	-2.2	20.0
2,4-Dichlorophenol	Ave	0.2793	0.2835		50700	50000	1.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3287	0.3122		47500	50000	-5.0	20.0
Naphthalene	Ave	1.027	0.9831		47800	50000	-4.3	20.0
4-Chloroaniline	Ave	0.3988	0.3996		50100	50000	0.2	20.0
Hexachlorobutadiene	Ave	0.1825	0.1696		46400	50000	-7.1	20.0
Caprolactam	Ave	0.0882	0.0941		53300	50000	6.7	20.0
4-Chloro-3-methylphenol	Ave	0.2319	0.2557		55100	50000	10.3	20.0
2-Methylnaphthalene	Ave	0.6655	0.6385		48000	50000	-4.0	20.0
1-Methylnaphthalene	Ave	0.6602	0.6497		49200	50000	-1.6	20.0
Hexachlorocyclopentadiene	Ave	0.3731	0.3283	0.0500	44000	50000	-12.0	20.0
1,2,4,5-Tetrachlorobenzene	QuaF	0.5825	0.5448		48900	50000	-2.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4282	0.4333		50600	50000	1.2	20.0
2,4,6-Trichlorophenol	Ave	0.4031	0.4265		52900	50000	5.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83011/2 Calibration Date: 08/12/2011 09:04

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17124.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3975	0.3992		50200	50000	0.4	20.0
Diphenyl	QuaF	1.621	1.545		49400	50000	-1.2	20.0
2-Chloronaphthalene	Ave	1.238	1.193		48200	50000	-3.7	20.0
Diphenyl ether	Ave	0.8720	0.8410		48200	50000	-3.6	20.0
2-Nitroaniline	Ave	0.3721	0.4018		54000	50000	8.0	20.0
Dimethylnaphthalene, total	Ave	1.036	1.016		49000	50000	-2.0	20.0
Dimethyl phthalate	Ave	1.253	1.207		48200	50000	-3.6	20.0
Coumarin	Ave	0.2014	0.2061		51200	50000	2.4	20.0
2,6-Dinitrotoluene	Ave	0.2923	0.3009		51500	50000	2.9	20.0
Acenaphthylene	Ave	1.896	1.855		48900	50000	-2.2	20.0
3-Nitroaniline	Ave	0.3241	0.3330		51400	50000	2.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.027	0.9130		44500	50000	-11.1	20.0
Acenaphthene	QuaF	1.183	1.075		48600	50000	-2.8	20.0
2,4-Dinitrophenol	Ave	0.1564	0.1793	0.0500	57300	50000	14.7	20.0
4-Nitrophenol	Ave	0.1797	0.1919	0.0500	53400	50000	6.8	20.0
2,4-Dinitrotoluene	Ave	0.3537	0.3482		49200	50000	-1.5	20.0
Dibenzofuran	Ave	1.591	1.509		47400	50000	-5.2	20.0
1-Naphthylamine	Ave	1.011	0.9677		47900	50000	-4.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2801	0.2824		50400	50000	0.8	20.0
2-Naphthylamine	Ave	1.062	0.9849		46400	50000	-7.2	20.0
Diethyl phthalate	Ave	1.191	1.130		47400	50000	-5.2	20.0
4-Chlorophenyl phenyl ether	QuaF	0.5633	0.4932		46600	50000	-6.9	20.0
Fluorene	Ave	1.214	1.127		46400	50000	-7.2	20.0
4-Nitroaniline	Ave	0.2861	0.2868		50100	50000	0.2	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1461	0.1582		54100	50000	8.3	20.0
N-Nitrosodiphenylamine	Ave	0.6326	0.6189		48900	50000	-2.2	20.0
1,2-Diphenylhydrazine	Ave	0.9666	0.9666		50000	50000	0.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2570	0.2481		48300	50000	-3.5	20.0
Hexachlorobenzene	Ave	0.2868	0.2708		47200	50000	-5.6	20.0
Atrazine	Ave	0.2126	0.1921		45200	50000	-9.7	20.0
Pentachlorophenol	Ave	0.1619	0.1669		51600	50000	3.1	20.0
n-Octadecane	QuaF	0.6709	0.6153		46500	50000	-7.0	20.0
Phenanthrene	Ave	1.167	1.117		47800	50000	-4.3	20.0
Anthracene	Ave	1.179	1.134		48100	50000	-3.7	20.0
Carbazole	Ave	0.9721	0.9529		49000	50000	-2.0	20.0
Di-n-butyl phthalate	Ave	1.259	1.129		44900	50000	-10.3	20.0
Fluoranthene	Ave	1.013	0.9493		46800	50000	-6.3	20.0
Benzidine	Ave	0.1789	0.0588		16400	50000	-67.1*	20.0
Pyrene	Ave	1.930	1.945		50400	50000	0.8	20.0
Butyl benzyl phthalate	Ave	0.7754	0.7492		48300	50000	-3.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83011/2 Calibration Date: 08/12/2011 09:04

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17124.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD (Screen)	Ave	0.2201	0.2085		474	500	-5.3	20.0
Carbamazepine	LinF	0.4470	0.5122		47200	50000	-5.5	20.0
3,3'-Dichlorobenzidine	Ave	0.3706	0.3529		47600	50000	-4.8	20.0
Benzo[a]anthracene	Ave	1.298	1.264		48700	50000	-2.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.033	0.9212		44600	50000	-10.9	20.0
Chrysene	Ave	1.199	1.160		48300	50000	-3.3	20.0
Di-n-octyl phthalate	Ave	1.719	1.792		52100	50000	4.2	20.0
Benzo[b]fluoranthene	Ave	1.168	1.271		54400	50000	8.8	20.0
Benzo[k]fluoranthene	Ave	1.295	1.312		50700	50000	1.3	20.0
Benzo[a]pyrene	Ave	0.9507	1.009		53100	50000	6.1	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.8334	0.8772		46800	50000	-6.4	20.0
Dibenz(a,h)anthracene	Ave	0.8392	0.8708		51900	50000	3.8	20.0
Benzo[g,h,i]perylene	Ave	0.8676	0.8511		49000	50000	-1.9	20.0
2-Fluorophenol	Ave	1.274	1.421		55800	50000	11.6	20.0
Phenol-d5	Ave	1.460	1.605		55000	50000	9.9	20.0
Nitrobenzene-d5	Ave	0.3562	0.3683		51700	50000	3.4	20.0
2-Fluorobiphenyl	Ave	1.440	1.414		49100	50000	-1.8	20.0
2,4,6-Tribromophenol	Ave	0.2001	0.1998		49900	50000	-0.2	20.0
Terphenyl-d14	Ave	1.365	1.293		47400	50000	-5.2	20.0

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17124.d
Report Date: 12-Aug-2011 09:18

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17124.d
Lab Smp Id: CCVIS-1094480
Inj Date : 12-AUG-2011 09:04
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : CCVIS-1094480
Misc Info : 50 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.741	1.741	(0.396)	357389	50.0000	63
	19 N-Nitrosodimethylamine	74	1.970	1.970	(0.448)	537721	50.0000	70
	71 Pyridine	79	2.000	2.000	(0.454)	877135	50.0000	63
$	16 2-Fluorophenol (SUR)	112	3.117	3.117	(0.709)	824486	50.0000	56
	110 Benzaldehyde	77	3.958	3.958	(0.900)	173689	50.0000	28
$	17 Phenol-d5 (SUR)	99	4.047	4.047	(0.920)	931313	50.0000	55
	1 Phenol	94	4.058	4.058	(0.922)	1017978	50.0000	56
	73 Aniline	93	4.076	4.076	(0.926)	1206667	50.0000	54
	20 bis(2-Chloroethyl)ether	93	4.135	4.135	(0.940)	815617	50.0000	51
	2 2-Chlorophenol	128	4.199	4.199	(0.955)	863378	50.0000	53
	113 n-decane	43	4.247	4.247	(0.965)	927654	50.0000	53
	21 1,3-Dichlorobenzene	146	4.346	4.346	(0.988)	947432	50.0000	49
*	79 1,4-Dichlorobenzene-d4	152	4.399	4.399	(1.000)	464129	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17124.d
Report Date: 12-Aug-2011 09:18

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22	1,4-Dichlorobenzene	146	4.417	4.417	(1.004)	928727	50.0000	49
	74	Benzyl Alcohol	108	4.546	4.546	(1.033)	532651	50.0000	58
	23	1,2-Dichlorobenzene	146	4.570	4.570	(1.039)	879164	50.0000	49
	3	2-Methylphenol	108	4.658	4.658	(1.059)	687291	50.0000	52
	24	bis (2-chloroisopropyl) ether	45	4.676	4.676	(1.063)	1221104	50.0000	52
	104	Acetophenone	105	4.817	4.817	(1.095)	843929	50.0000	51
	4	4-Methylphenol	108	4.817	4.817	(1.095)	646021	50.0000	54
	123	3 & 4 Methylphenol	108	4.817	4.817	(1.095)	646021	50.0000	54
	25	N-Nitroso-di-n-propylamine	70	4.823	4.823	(1.096)	456389	50.0000	52
	126	O-Toluidine	107	4.799	4.799	(1.091)	1019217	50.0000	34
	26	Hexachloroethane	117	4.911	4.911	(1.116)	345211	50.0000	47
$	76	Nitrobenzene-d5 (SUR)	82	4.964	4.964	(0.874)	779786	50.0000	52
	27	Nitrobenzene	77	4.988	4.988	(0.878)	924183	50.0000	51
	107	N,N-Dimethylaniline	120	4.988	4.988	(1.134)	1040177	50.0000	50
	28	Isophorone	82	5.229	5.229	(0.920)	1269950	50.0000	51
	5	2-Nitrophenol	139	5.299	5.299	(0.933)	459931	50.0000	52
	6	2,4-Dimethylphenol	122	5.352	5.352	(0.942)	670337	50.0000	52
	29	bis(2-Chloroethoxy)methane	93	5.441	5.441	(0.958)	822014	50.0000	50
	15	Benzoic Acid	122	5.505	5.505	(0.969)	387425	50.0000	49
	7	2,4-Dichlorophenol	162	5.546	5.546	(0.976)	600151	50.0000	51
	30	1,2,4-Trichlorobenzene	180	5.629	5.629	(0.991)	661017	50.0000	47
*	80	Naphthalene-d8	136	5.682	5.682	(1.000)	1693765	40.0000	
	31	Naphthalene	128	5.705	5.705	(1.004)	2081515	50.0000	48
	32	4-Chloroaniline	127	5.758	5.758	(1.013)	845961	50.0000	50
	33	Hexachlorobutadiene	225	5.835	5.835	(1.027)	358995	50.0000	46
	111	Caprolactam	113	6.146	6.146	(1.082)	199175	50.0000	53
	8	4-Chloro-3-methylphenol	107	6.258	6.258	(1.101)	541339	50.0000	55
	34	2-Methylnaphthalene	142	6.399	6.399	(1.126)	1351891	50.0000	48
	120	1-Methylnaphthalene	142	6.499	6.499	(1.144)	1375467	50.0000	49
	35	Hexachlorocyclopentadiene	237	6.564	6.564	(0.883)	321086	50.0000	44
	129	1,2,4,5-Tetrachlorobenzene	216	6.570	6.570	(0.884)	532836	50.0000	49
	121	2-tert-Butyl-4-methylphenol	149	6.605	6.605	(1.163)	917281	50.0000	50
	9	2,4,6-Trichlorophenol	196	6.688	6.688	(0.900)	417137	50.0000	53
	10	2,4,5-Trichlorophenol	196	6.723	6.723	(0.904)	390402	50.0000	50
$	77	2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.910)	1382548	50.0000	49
	102	Diphenyl	154	6.864	6.864	(0.923)	1510689	50.0000	49
	36	2-Chloronaphthalene	162	6.888	6.888	(0.926)	1166520	50.0000	48
	103	Diphenyl Ether	170	6.970	6.970	(0.937)	822464	50.0000	48
	37	2-Nitroaniline	65	6.987	6.987	(0.940)	392943	50.0000	54
	125	1,3-Dimethylnaphthalene	156	7.105	7.105	(0.956)	993288	50.0000	49
	38	Dimethylphthalate	163	7.170	7.170	(0.964)	1180799	50.0000	48
	114	Coumarin	146	7.193	7.193	(1.266)	436389	50.0000	51
	40	2,6-Dinitrotoluene	165	7.229	7.229	(0.972)	294269	50.0000	51
	39	Acenaphthylene	152	7.293	7.293	(0.981)	1813885	50.0000	49
	41	3-Nitroaniline	138	7.393	7.393	(0.994)	325667	50.0000	51
*	82	Acenaphthene-d10	164	7.435	7.435	(1.000)	782410	40.0000	
	122	2,6-Di-tert-butyl-p-cresol	205	7.458	7.458	(1.003)	892902	50.0000	44

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17124.d
Report Date: 12-Aug-2011 09:18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	42 Acenaphthene	154	7.470	7.470	(1.005)	1051458	50.0000	48
	11 2,4-Dinitrophenol	184	7.499	7.499	(1.009)	175371	50.0000	57
	12 4-Nitrophenol	65	7.564	7.564	(1.017)	187719	50.0000	53
	44 2,4-Dinitrotoluene	165	7.629	7.629	(1.026)	340538	50.0000	49
	43 Dibenzofuran	168	7.640	7.640	(1.028)	1475545	50.0000	47
	127 1-Naphthylamine	143	7.717	7.717	(1.038)	946457	50.0000	48
	130 2,3,4,6-Tetrachlorophenol	232	7.764	7.764	(1.044)	276185	50.0000	50
	128 2-Naphthylamine	143	7.793	7.793	(1.048)	963277	50.0000	46
	45 Diethylphthalate	149	7.864	7.864	(1.058)	1104792	50.0000	47
	46 4-Chlorophenyl-phenylether	204	7.970	7.970	(1.072)	482350	50.0000	46
	47 Fluorene	166	7.976	7.976	(1.073)	1102106	50.0000	46
	48 4-Nitroaniline	138	7.999	7.999	(1.076)	280469	50.0000	50
	13 4,6-Dinitro-2-methylphenol	198	8.029	8.029	(0.902)	206282	50.0000	54
	49 N-Nitrosodiphenylamine	169	8.093	8.093	(0.909)	806976	50.0000	49
	75 1,2-Diphenylhydrazine	77	8.129	8.129	(0.913)	1260361	50.0000	50
$	18 2,4,6-Tribromophenol (SUR)	330	8.217	8.217	(1.105)	195372	50.0000	50
	50 4-Bromophenyl-phenylether	248	8.452	8.452	(0.950)	323529	50.0000	48
	51 Hexachlorobenzene	284	8.529	8.529	(0.958)	353131	50.0000	47
	112 Atrazine	200	8.617	8.617	(0.968)	250473	50.0000	45
	14 Pentachlorophenol	266	8.717	8.717	(0.980)	217671	50.0000	52
	115 n-Octadecane	57	8.793	8.793	(0.988)	802286	50.0000	46
*	83 Phenanthrene-d10	188	8.899	8.899	(1.000)	1043138	40.0000	
	52 Phenanthrene	178	8.923	8.923	(1.003)	1455850	50.0000	48
	53 Anthracene	178	8.970	8.970	(1.008)	1479177	50.0000	48
	54 Carbazole	167	9.129	9.129	(1.026)	1242492	50.0000	49
	55 Di-n-butylphthalate	149	9.470	9.470	(1.064)	1472762	50.0000	45
	56 Fluoranthene	202	10.093	10.093	(1.134)	1237825	50.0000	47
	58 Benzidine	184	10.217	10.217	(1.148)	76694	50.0000	16
	57 Pyrene	202	10.317	10.317	(0.884)	1254262	50.0000	50
$	78 Terphenyl-d14	244	10.470	10.470	(0.897)	834078	50.0000	47
	59 Butylbenzylphthalate	149	10.999	10.999	(0.942)	483223	50.0000	48
	109 2,3,7,8-TCDD (Screen)	320	11.111	11.111	(0.952)	1345	0.50000	0.47(a)
	124 Carbamazepine	193	11.128	11.128	(0.953)	330378	50.0000	47
	60 3,3'-Dichlorobenzidine	252	11.628	11.628	(0.996)	227638	50.0000	48
	61 Benzo(a)anthracene	228	11.658	11.658	(0.998)	815534	50.0000	49
*	81 Chrysene-d12	240	11.675	11.675	(1.000)	515981	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.693	11.693	(1.002)	594150	50.0000	44
	62 Chrysene	228	11.705	11.705	(1.003)	748006	50.0000	48
	64 Di-n-octylphthalate	149	12.558	12.558	(0.923)	841994	50.0000	52
	65 Benzo(b)fluoranthene	252	13.075	13.075	(0.962)	597248	50.0000	54
	66 Benzo(k)fluoranthene	252	13.111	13.111	(0.964)	616683	50.0000	51
	67 Benzo(a)pyrene	252	13.516	13.516	(0.994)	473989	50.0000	53
*	84 Perylene-d12	264	13.599	13.599	(1.000)	375911	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.128	15.128	(1.112)	412164	50.0000	47
	69 Dibenz(a,h)anthracene	278	15.163	15.163	(1.115)	409169	50.0000	52
	70 Benzo(g,h,i)perylene	276	15.558	15.558	(1.144)	399935	50.0000	49

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17124.d
Report Date: 12-Aug-2011 09:18

QC Flag Legend

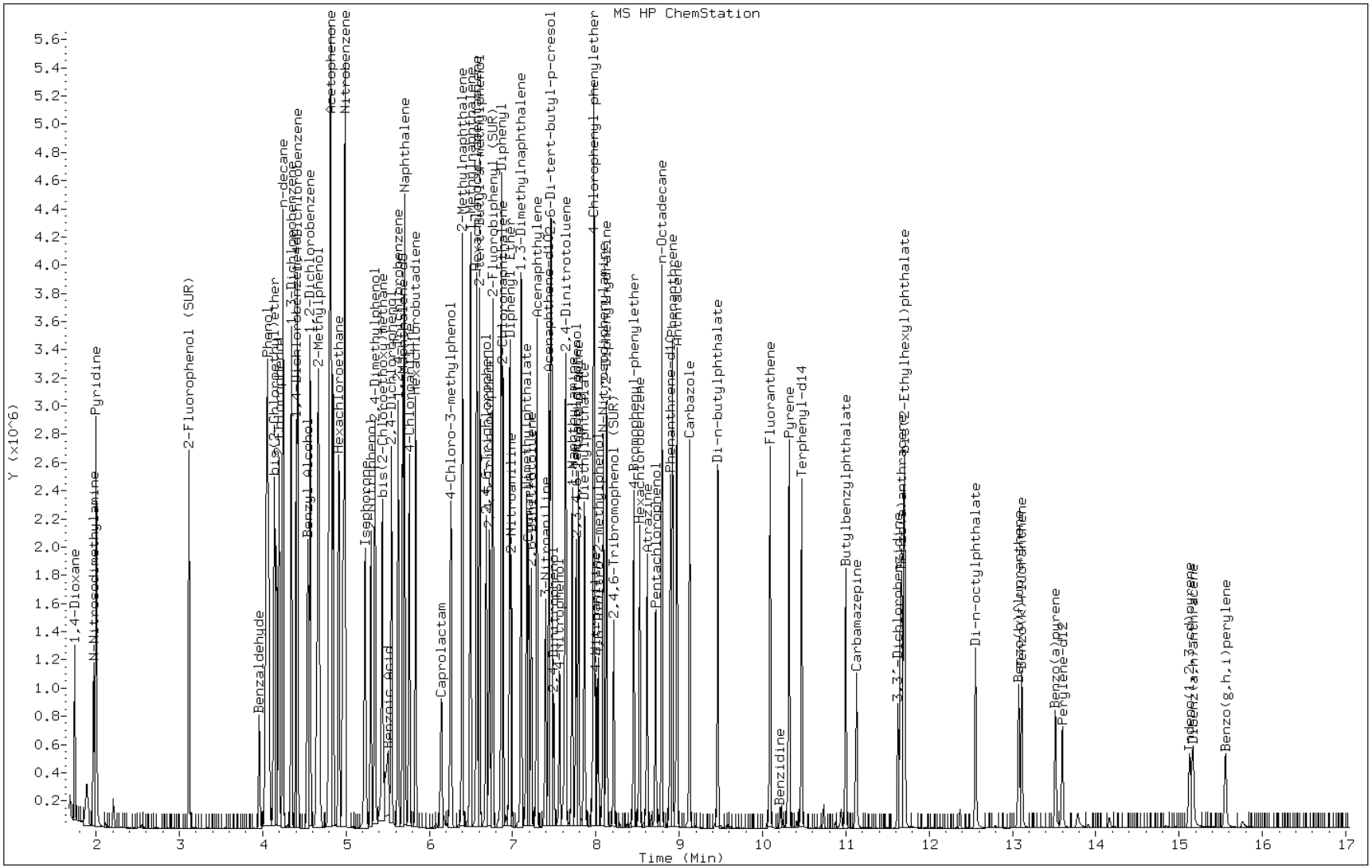
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).

Data File: x17124.d

Date: 12-AUG-2011 09:04

Client ID: Instrument: BNAMS5.i

Sample Info: CCVIS-1094480 Operator: BNAMS 4



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83098/2 Calibration Date: 08/14/2011 10:05

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17143.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4879	0.6475		66400	50000	32.7*	20.0
N-Nitrosodimethylamine	Ave	0.6637	0.8784		66200	50000	32.3*	20.0
Pyridine	Ave	1.191	1.497		62800	50000	25.6*	20.0
Benzaldehyde	Ave	0.5416	0.4566		42200	50000	-15.7	20.0
Phenol	Ave	1.553	1.599		51500	50000	3.0	20.0
Aniline	Ave	1.913	1.930		50400	50000	0.9	20.0
Bis(2-chloroethyl)ether	Ave	1.373	1.336		48600	50000	-2.7	20.0
2-Chlorophenol	Ave	1.400	1.389		49600	50000	-0.7	20.0
Decane	QuaF	1.668	1.790		60900	50000	21.8*	20.0
1,3-Dichlorobenzene	Ave	1.656	1.628		49200	50000	-1.6	20.0
1,4-Dichlorobenzene	Ave	1.633	1.632		50000	50000	-0.0	20.0
Benzyl alcohol	Ave	0.7981	0.7614		47700	50000	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.548	1.494		48300	50000	-3.5	20.0
2-Methylphenol	Ave	1.130	1.062		47000	50000	-6.0	20.0
2,2'-oxybis[1-chloropropane]	QuaF	2.103	2.131		52600	50000	5.2	20.0
3 & 4 Methylphenol	QuaF	1.122	1.021		48400	50000	-3.2	20.0
4-Methylphenol	QuaF	1.120	1.021		48500	50000	-3.0	20.0
Acetophenone	QuaF	1.525	1.369		47400	50000	-5.2	20.0
o-Toluidine	Ave	2.594	2.439		47000	50000	-6.0	20.0
N-Nitrosodi-n-propylamine	QuaF	0.7775	0.7171	0.0500	46000	50000	-8.1	20.0
Hexachloroethane	Ave	0.6272	0.5998		47800	50000	-4.4	20.0
Nitrobenzene	QuaF	0.4494	0.4430		52000	50000	4.0	20.0
n,n'-Dimethylaniline	QuaF	1.800	1.769		49600	50000	-0.8	20.0
Isophorone	Ave	0.5875	0.5555		47300	50000	-5.4	20.0
2-Nitrophenol	Ave	0.2109	0.2094		49600	50000	-0.7	20.0
2,4-Dimethylphenol	Ave	0.3049	0.2997		49100	50000	-1.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3899	0.3772		48400	50000	-3.3	20.0
Benzoic acid	Ave	0.1871	0.2045		54600	50000	9.3	20.0
2,4-Dichlorophenol	Ave	0.2793	0.2718		48700	50000	-2.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3287	0.3186		48500	50000	-3.1	20.0
Naphthalene	Ave	1.027	1.019		49600	50000	-0.9	20.0
4-Chloroaniline	Ave	0.3988	0.3907		49000	50000	-2.0	20.0
Hexachlorobutadiene	Ave	0.1825	0.1727		47300	50000	-5.4	20.0
Caprolactam	Ave	0.0882	0.0874		49500	50000	-1.0	20.0
4-Chloro-3-methylphenol	Ave	0.2319	0.2334		50300	50000	0.6	20.0
2-Methylnaphthalene	Ave	0.6655	0.6406		48100	50000	-3.7	20.0
1-Methylnaphthalene	Ave	0.6602	0.6467		49000	50000	-2.1	20.0
Hexachlorocyclopentadiene	Ave	0.3731	0.3272	0.0500	43900	50000	-12.3	20.0
1,2,4,5-Tetrachlorobenzene	QuaF	0.5825	0.5641		51000	50000	1.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4282	0.4151		48500	50000	-3.1	20.0
2,4,6-Trichlorophenol	Ave	0.4031	0.3823		47400	50000	-5.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83098/2 Calibration Date: 08/14/2011 10:05

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17143.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.3975	0.3774		47500	50000	-5.1	20.0
Diphenyl	QuaF	1.621	1.553		49700	50000	-0.6	20.0
2-Chloronaphthalene	Ave	1.238	1.195		48200	50000	-3.5	20.0
Diphenyl ether	Ave	0.8720	0.8459		48500	50000	-3.0	20.0
2-Nitroaniline	Ave	0.3721	0.3805		51100	50000	2.2	20.0
Dimethylnaphthalene, total	Ave	1.036	1.013		48900	50000	-2.3	20.0
Dimethyl phthalate	Ave	1.253	1.190		47500	50000	-5.0	20.0
Coumarin	Ave	0.2014	0.1982		49200	50000	-1.5	20.0
2,6-Dinitrotoluene	Ave	0.2923	0.2865		49000	50000	-2.0	20.0
Acenaphthylene	Ave	1.896	1.816		47900	50000	-4.2	20.0
3-Nitroaniline	Ave	0.3241	0.3200		49400	50000	-1.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.027	0.9192		44800	50000	-10.5	20.0
Acenaphthene	QuaF	1.183	1.063		47900	50000	-4.1	20.0
2,4-Dinitrophenol	Ave	0.1564	0.1573	0.0500	50300	50000	0.5	20.0
4-Nitrophenol	Ave	0.1797	0.1831	0.0500	51000	50000	1.9	20.0
2,4-Dinitrotoluene	Ave	0.3537	0.3491		49400	50000	-1.3	20.0
Dibenzofuran	Ave	1.591	1.532		48100	50000	-3.7	20.0
1-Naphthylamine	Ave	1.011	0.997		49300	50000	-1.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2801	0.2746		49000	50000	-2.0	20.0
2-Naphthylamine	Ave	1.062	1.017		47900	50000	-4.2	20.0
Diethyl phthalate	Ave	1.191	1.113		46700	50000	-6.6	20.0
4-Chlorophenyl phenyl ether	QuaF	0.5633	0.5191		49500	50000	-1.0	20.0
Fluorene	Ave	1.214	1.150		47300	50000	-5.3	20.0
4-Nitroaniline	Ave	0.2861	0.2938		51300	50000	2.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1461	0.1466		50200	50000	0.4	20.0
N-Nitrosodiphenylamine	Ave	0.6326	0.6021		47600	50000	-4.8	20.0
1,2-Diphenylhydrazine	Ave	0.9666	0.9412		48700	50000	-2.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2570	0.2437		47400	50000	-5.2	20.0
Hexachlorobenzene	Ave	0.2868	0.2754		48000	50000	-4.0	20.0
Atrazine	Ave	0.2126	0.2011		47300	50000	-5.4	20.0
Pentachlorophenol	Ave	0.1619	0.1563		48300	50000	-3.5	20.0
n-Octadecane	QuaF	0.6709	0.6442		49300	50000	-1.3	20.0
Phenanthrene	Ave	1.167	1.121		48000	50000	-3.9	20.0
Anthracene	Ave	1.179	1.170		49600	50000	-0.8	20.0
Carbazole	Ave	0.9721	0.9821		50500	50000	1.0	20.0
Di-n-butyl phthalate	Ave	1.259	1.229		48800	50000	-2.4	20.0
Fluoranthene	Ave	1.013	1.046		51600	50000	3.2	20.0
Benzidine	Ave	0.1789	0.1652		46200	50000	-7.7	20.0
Pyrene	Ave	1.930	1.611		41700	50000	-16.5	20.0
Butyl benzyl phthalate	Ave	0.7754	0.6981		45000	50000	-10.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Lab Sample ID: CCVIS 460-83098/2 Calibration Date: 08/14/2011 10:05

Instrument ID: BNAMS5 Calib Start Date: 08/02/2011 12:45

GC Column: Rtx-5MS ID: 0.25(mm) Calib End Date: 08/02/2011 14:44

Lab File ID: x17143.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD (Screen)	Ave	0.2201	0.1868		424	500	-15.1	20.0
Carbamazepine	LinF	0.4470	0.5477		50500	50000	1.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3706	0.3966		53500	50000	7.0	20.0
Benzo[a]anthracene	Ave	1.298	1.250		48100	50000	-3.7	20.0
Bis(2-ethylhexyl) phthalate	Ave	1.033	0.9087		44000	50000	-12.1	20.0
Chrysene	Ave	1.199	1.166		48600	50000	-2.8	20.0
Di-n-octyl phthalate	Ave	1.719	1.545		45000	50000	-10.1	20.0
Benzo[b]fluoranthene	Ave	1.168	1.191		51000	50000	1.9	20.0
Benzo[k]fluoranthene	Ave	1.295	1.286		49700	50000	-0.7	20.0
Benzo[a]pyrene	Ave	0.9507	1.000		52600	50000	5.2	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.8334	0.8865		47300	50000	-5.4	20.0
Dibenz(a,h)anthracene	Ave	0.8392	0.9434		56200	50000	12.4	20.0
Benzo[g,h,i]perylene	Ave	0.8676	0.9505		54800	50000	9.6	20.0
2-Fluorophenol	Ave	1.274	1.369		53700	50000	7.4	20.0
Phenol-d5	Ave	1.460	1.442		49400	50000	-1.3	20.0
Nitrobenzene-d5	Ave	0.3562	0.3569		50100	50000	0.2	20.0
2-Fluorobiphenyl	Ave	1.440	1.396		48500	50000	-3.1	20.0
2,4,6-Tribromophenol	Ave	0.2001	0.1899		47500	50000	-5.1	20.0
Terphenyl-d14	Ave	1.365	1.157		42400	50000	-15.2	20.0

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17143.d
Report Date: 14-Aug-2011 10:26

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17143.d
Lab Smp Id: CCVIS-1094480
Inj Date : 14-AUG-2011 10:05
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : CCVIS-1094480
Misc Info : 50 ppm bna 4579
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/8270C_08SP.m
Meth Date : 14-Aug-2011 10:26 asfawa Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * Uf*1000*Vt/(Ws*(100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	106 1,4-Dioxane	88	1.717	1.717	(0.391)	228161	50.0000	66
	19 N-Nitrosodimethylamine	74	1.941	1.941	(0.442)	309499	50.0000	66(H)
	71 Pyridine	79	1.976	1.976	(0.450)	527290	50.0000	63
$	16 2-Fluorophenol (SUR)	112	3.106	3.106	(0.707)	482260	50.0000	54
	110 Benzaldehyde	77	3.953	3.953	(0.900)	160887	50.0000	42
$	17 Phenol-d5 (SUR)	99	4.029	4.029	(0.917)	507926	50.0000	49
	1 Phenol	94	4.047	4.047	(0.921)	563485	50.0000	51
	73 Aniline	93	4.064	4.064	(0.925)	680175	50.0000	50
	20 bis(2-Chloroethyl)ether	93	4.129	4.129	(0.940)	470582	50.0000	49
	2 2-Chlorophenol	128	4.188	4.188	(0.953)	489531	50.0000	50
	113 n-decane	43	4.241	4.241	(0.965)	630539	50.0000	61
	21 1,3-Dichlorobenzene	146	4.341	4.341	(0.988)	573747	50.0000	49
*	79 1,4-Dichlorobenzene-d4	152	4.394	4.394	(1.000)	281879	40.0000	

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17143.d
Report Date: 14-Aug-2011 10:26

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 1,4-Dichlorobenzene	146	4.411	4.411	(1.004)	574946	50.0000	50
	74 Benzyl Alcohol	108	4.535	4.535	(1.032)	268268	50.0000	48
	23 1,2-Dichlorobenzene	146	4.570	4.570	(1.040)	526523	50.0000	48
	3 2-Methylphenol	108	4.652	4.652	(1.059)	374139	50.0000	47
	24 bis (2-chloroisopropyl) ether	45	4.670	4.670	(1.063)	750845	50.0000	52
	104 Acetophenone	105	4.805	4.805	(1.094)	482472	50.0000	47
	4 4-Methylphenol	108	4.805	4.805	(1.094)	359787	50.0000	48
	123 3 & 4 Methylphenol	108	4.805	4.805	(1.094)	359787	50.0000	48
	25 N-Nitroso-di-n-propylamine	70	4.811	4.811	(1.095)	252672	50.0000	46
	126 O-Toluidine	107	4.805	4.805	(1.094)	859532	50.0000	47
	26 Hexachloroethane	117	4.911	4.911	(1.118)	211349	50.0000	48
$	76 Nitrobenzene-d5 (SUR)	82	4.952	4.952	(0.872)	432543	50.0000	50
	27 Nitrobenzene	77	4.976	4.976	(0.876)	536971	50.0000	52
	107 N,N-Dimethylaniline	120	4.982	4.982	(1.134)	623221	50.0000	50
	28 Isophorone	82	5.217	5.217	(0.918)	673331	50.0000	47
	5 2-Nitrophenol	139	5.294	5.294	(0.932)	253741	50.0000	50
	6 2,4-Dimethylphenol	122	5.341	5.341	(0.940)	363244	50.0000	49
	29 bis(2-Chloroethoxy)methane	93	5.435	5.435	(0.957)	457128	50.0000	48
	15 Benzoic Acid	122	5.470	5.470	(0.963)	247836	50.0000	55
	7 2,4-Dichlorophenol	162	5.541	5.541	(0.975)	329456	50.0000	49
	30 1,2,4-Trichlorobenzene	180	5.623	5.623	(0.990)	386189	50.0000	48
*	80 Naphthalene-d8	136	5.682	5.682	(1.000)	969647	40.0000	
	31 Naphthalene	128	5.699	5.699	(1.003)	1234636	50.0000	50
	32 4-Chloroaniline	127	5.752	5.752	(1.012)	473562	50.0000	49
	33 Hexachlorobutadiene	225	5.835	5.835	(1.027)	209313	50.0000	47
	111 Caprolactam	113	6.117	6.117	(1.077)	105881	50.0000	50
	8 4-Chloro-3-methylphenol	107	6.252	6.252	(1.100)	282841	50.0000	50
	34 2-Methylnaphthalene	142	6.394	6.394	(1.125)	776407	50.0000	48
	120 1-Methylnaphthalene	142	6.494	6.494	(1.143)	783793	50.0000	49
	35 Hexachlorocyclopentadiene	237	6.564	6.564	(0.883)	182231	50.0000	44
	129 1,2,4,5-Tetrachlorobenzene	216	6.570	6.570	(0.884)	314112	50.0000	51
	121 2-tert-Butyl-4-methylphenol	149	6.599	6.599	(1.161)	503060	50.0000	48
	9 2,4,6-Trichlorophenol	196	6.682	6.682	(0.899)	212900	50.0000	47
	10 2,4,5-Trichlorophenol	196	6.717	6.717	(0.903)	210155	50.0000	47
$	77 2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.910)	777142	50.0000	48
	102 Diphenyl	154	6.864	6.864	(0.923)	864720	50.0000	50
	36 2-Chloronaphthalene	162	6.882	6.882	(0.926)	665388	50.0000	48
	103 Diphenyl Ether	170	6.964	6.964	(0.937)	471057	50.0000	48
	37 2-Nitroaniline	65	6.982	6.982	(0.939)	211869	50.0000	51
	125 1,3-Dimethylnaphthalene	156	7.099	7.099	(0.955)	564086	50.0000	49
	38 Dimethylphthalate	163	7.164	7.164	(0.964)	662641	50.0000	47
	114 Coumarin	146	7.188	7.188	(1.265)	240277	50.0000	49
	40 2,6-Dinitrotoluene	165	7.223	7.223	(0.972)	159533	50.0000	49
	39 Acenaphthylene	152	7.293	7.293	(0.981)	1011064	50.0000	48
	41 3-Nitroaniline	138	7.388	7.388	(0.994)	178228	50.0000	49
*	82 Acenaphthene-d10	164	7.435	7.435	(1.000)	445509	40.0000	
	122 2,6-Di-tert-butyl-p-cresol	205	7.458	7.458	(1.003)	511866	50.0000	45

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17143.d
Report Date: 14-Aug-2011 10:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	42 Acenaphthene	154	7.464	7.464	(1.004)	592088	50.0000	48
	11 2,4-Dinitrophenol	184	7.488	7.488	(1.007)	87574	50.0000	50
	12 4-Nitrophenol	65	7.558	7.558	(1.017)	101967	50.0000	51
	44 2,4-Dinitrotoluene	165	7.623	7.623	(1.025)	194416	50.0000	49
	43 Dibenzofuran	168	7.635	7.635	(1.027)	853353	50.0000	48
	127 1-Naphthylamine	143	7.711	7.711	(1.037)	555053	50.0000	49
	130 2,3,4,6-Tetrachlorophenol	232	7.764	7.764	(1.044)	152900	50.0000	49
	128 2-Naphthylamine	143	7.788	7.788	(1.047)	566100	50.0000	48
	45 Diethylphthalate	149	7.864	7.864	(1.058)	619540	50.0000	47
	46 4-Chlorophenyl-phenylether	204	7.970	7.970	(1.072)	289053	50.0000	49
	47 Fluorene	166	7.976	7.976	(1.073)	640324	50.0000	47
	48 4-Nitroaniline	138	7.993	7.993	(1.075)	163591	50.0000	51
	13 4,6-Dinitro-2-methylphenol	198	8.023	8.023	(0.902)	108678	50.0000	50
	49 N-Nitrosodiphenylamine	169	8.088	8.088	(0.909)	446255	50.0000	48
	75 1,2-Diphenylhydrazine	77	8.129	8.129	(0.913)	697602	50.0000	49
$	18 2,4,6-Tribromophenol (SUR)	330	8.211	8.211	(1.104)	105753	50.0000	47
	50 4-Bromophenyl-phenylether	248	8.452	8.452	(0.950)	180633	50.0000	47
	51 Hexachlorobenzene	284	8.523	8.523	(0.958)	204091	50.0000	48
	112 Atrazine	200	8.617	8.617	(0.968)	149021	50.0000	47
	14 Pentachlorophenol	266	8.717	8.717	(0.980)	115806	50.0000	48
	115 n-Octadecane	57	8.793	8.793	(0.988)	477431	50.0000	49
*	83 Phenanthrene-d10	188	8.899	8.899	(1.000)	592922	40.0000	
	52 Phenanthrene	178	8.923	8.923	(1.003)	831184	50.0000	48
	53 Anthracene	178	8.970	8.970	(1.008)	866816	50.0000	50
	54 Carbazole	167	9.129	9.129	(1.026)	727851	50.0000	50
	55 Di-n-butylphthalate	149	9.470	9.470	(1.064)	911051	50.0000	49
	56 Fluoranthene	202	10.093	10.093	(1.134)	775204	50.0000	52
	58 Benzidine	184	10.217	10.217	(1.148)	122418	50.0000	46
	57 Pyrene	202	10.317	10.317	(0.884)	773661	50.0000	42
$	78 Terphenyl-d14	244	10.476	10.476	(0.897)	555616	50.0000	42
	59 Butylbenzylphthalate	149	11.005	11.005	(0.943)	335157	50.0000	45
	109 2,3,7,8-TCDD (Screen)	320	11.117	11.117	(0.952)	897	0.50000	0.42(a)
	124 Carbamazepine	193	11.129	11.129	(0.953)	262950	50.0000	50
	60 3,3'-Dichlorobenzidine	252	11.634	11.634	(0.996)	190440	50.0000	54
	61 Benzo(a)anthracene	228	11.664	11.664	(0.999)	600191	50.0000	48
*	81 Chrysene-d12	240	11.676	11.676	(1.000)	384103	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.699	11.699	(1.002)	436278	50.0000	44
	62 Chrysene	228	11.711	11.711	(1.003)	559697	50.0000	48
	64 Di-n-octylphthalate	149	12.564	12.564	(0.923)	682433	50.0000	45
	65 Benzo(b)fluoranthene	252	13.081	13.081	(0.962)	525805	50.0000	51
	66 Benzo(k)fluoranthene	252	13.117	13.117	(0.964)	568099	50.0000	50
	67 Benzo(a)pyrene	252	13.522	13.522	(0.994)	441747	50.0000	53
*	84 Perylene-d12	264	13.605	13.605	(1.000)	353278	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.140	15.140	(1.113)	391454	50.0000	47
	69 Dibenz(a,h)anthracene	278	15.175	15.175	(1.115)	416589	50.0000	56
	70 Benzo(g,h,i)perylene	276	15.569	15.569	(1.144)	419747	50.0000	55

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17143.d
Report Date: 14-Aug-2011 10:26

QC Flag Legend

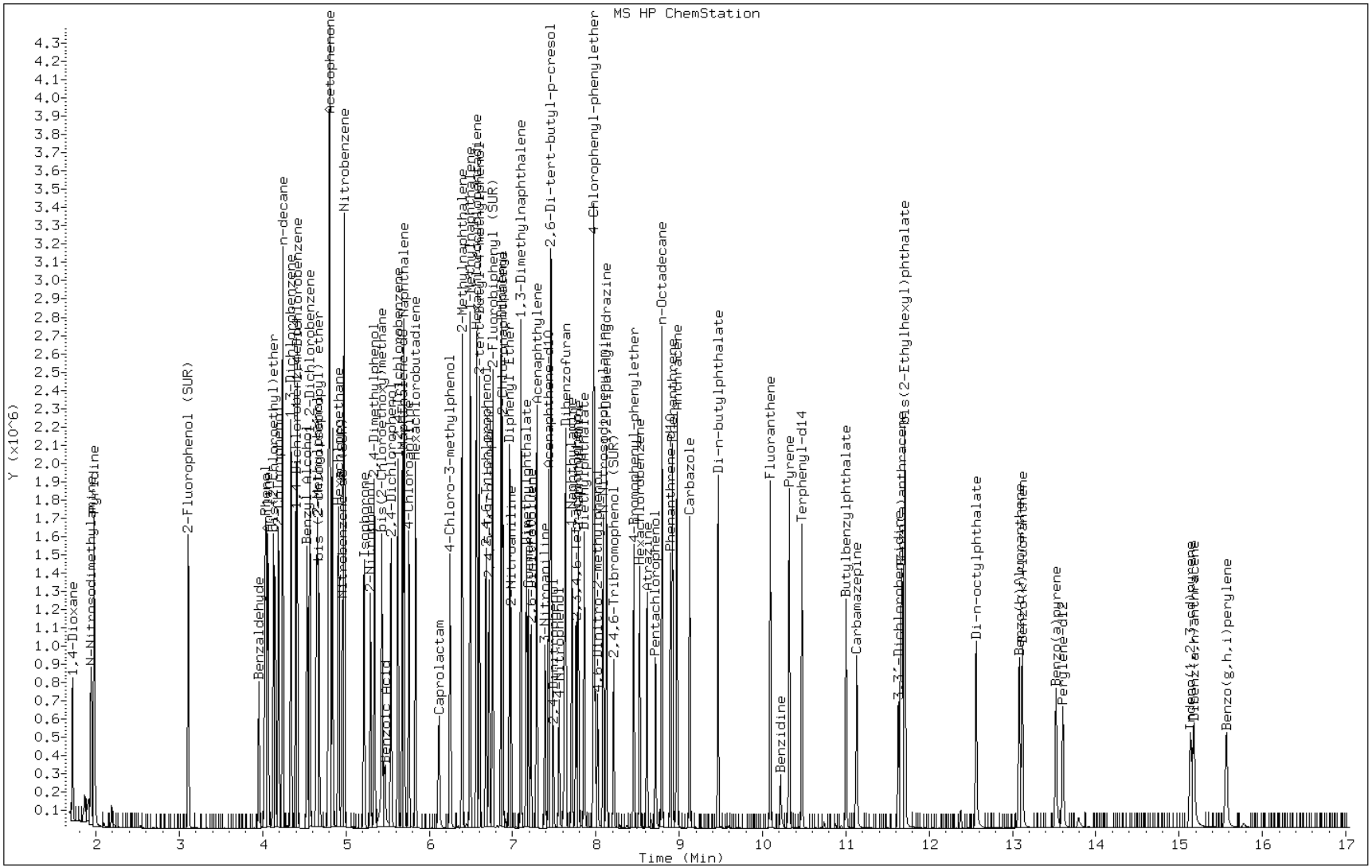
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: x17143.d

Date: 14-AUG-2011 10:05

Client ID: Instrument: BNAMS5.i

Sample Info: CCVIS-1094480 Operator: BNAMS 4



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Report Date: 02-Aug-2011 12:27

TestAmerica

Data file : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16885.d
Lab Smp Id: DFTPP-937638
Inj Date : 02-AUG-2011 12:18
Operator : BNAMS3 Inst ID: BNAMS5.i
Smp Info : DFTPP-937638
Misc Info : 25 ppm bna 4557
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/02aug11.b/BNADFTPP.m
Meth Date : 02-Aug-2011 10:34 monica Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.397	5.350	0.047	198	165805			0.00- 100.00	100.00
5.397	5.350	0.047	51	63930			30.00- 60.00	38.56
5.397	5.350	0.047	68	1017			0.00- 2.00	1.83
5.397	5.350	0.047	69	55674			0.00- 0.00	33.58
5.397	5.350	0.047	70	433			0.00- 2.00	0.78
5.397	5.350	0.047	127	77016			40.00- 60.00	46.45
5.397	5.350	0.047	197	1085			0.00- 1.00	0.65
5.397	5.350	0.047	199	10688			5.00- 9.00	6.45
5.397	5.350	0.047	275	43106			10.00- 30.00	26.00
5.397	5.350	0.047	365	6682			1.00- 0.00	4.03
5.397	5.350	0.047	441	22977			0.01- 100.00	76.27
5.397	5.350	0.047	442	156493			40.00- 110.00	94.38
5.397	5.350	0.047	443	30125			17.00- 23.00	19.25

Data File: x16885.d

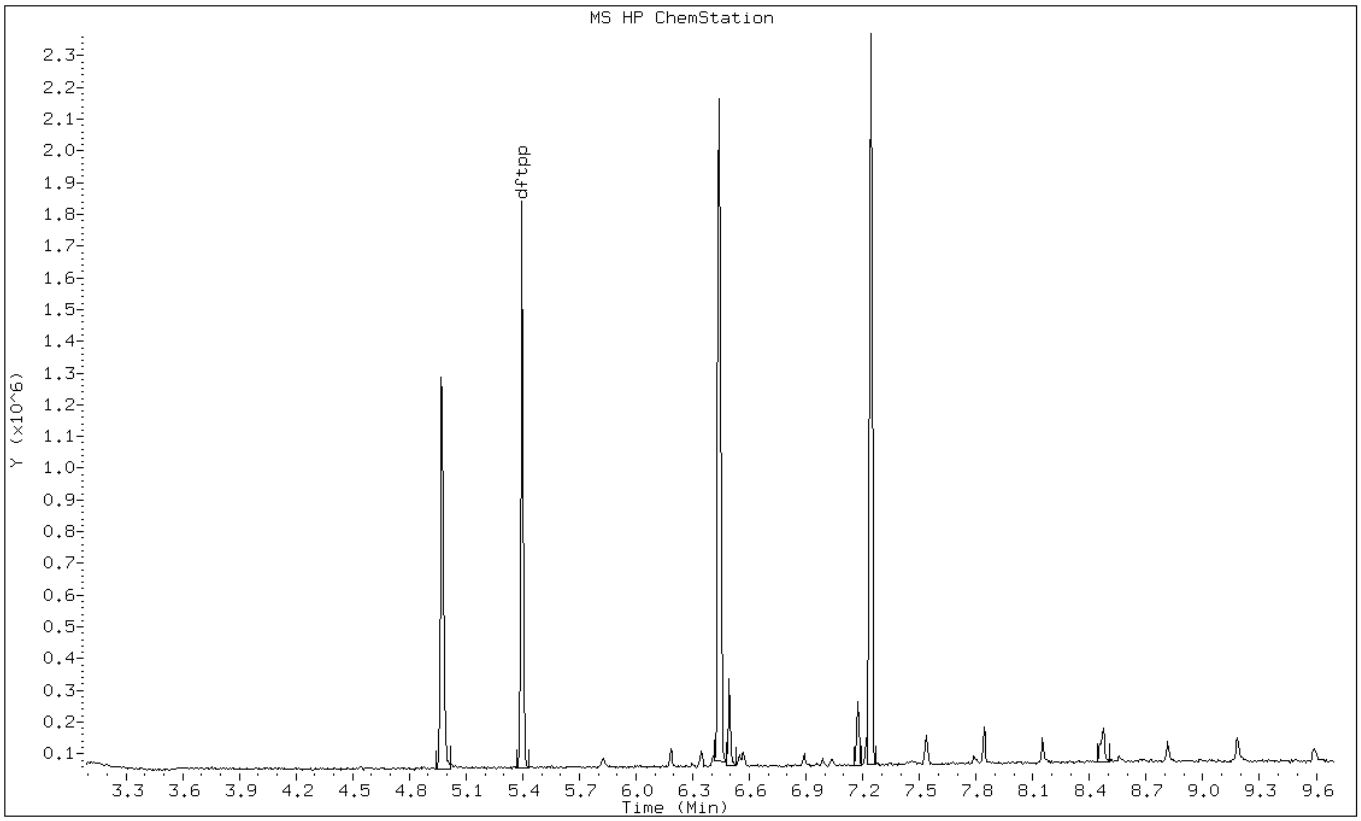
Date: 02-AUG-2011 12:18

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-937638

Operator: BNAMS3



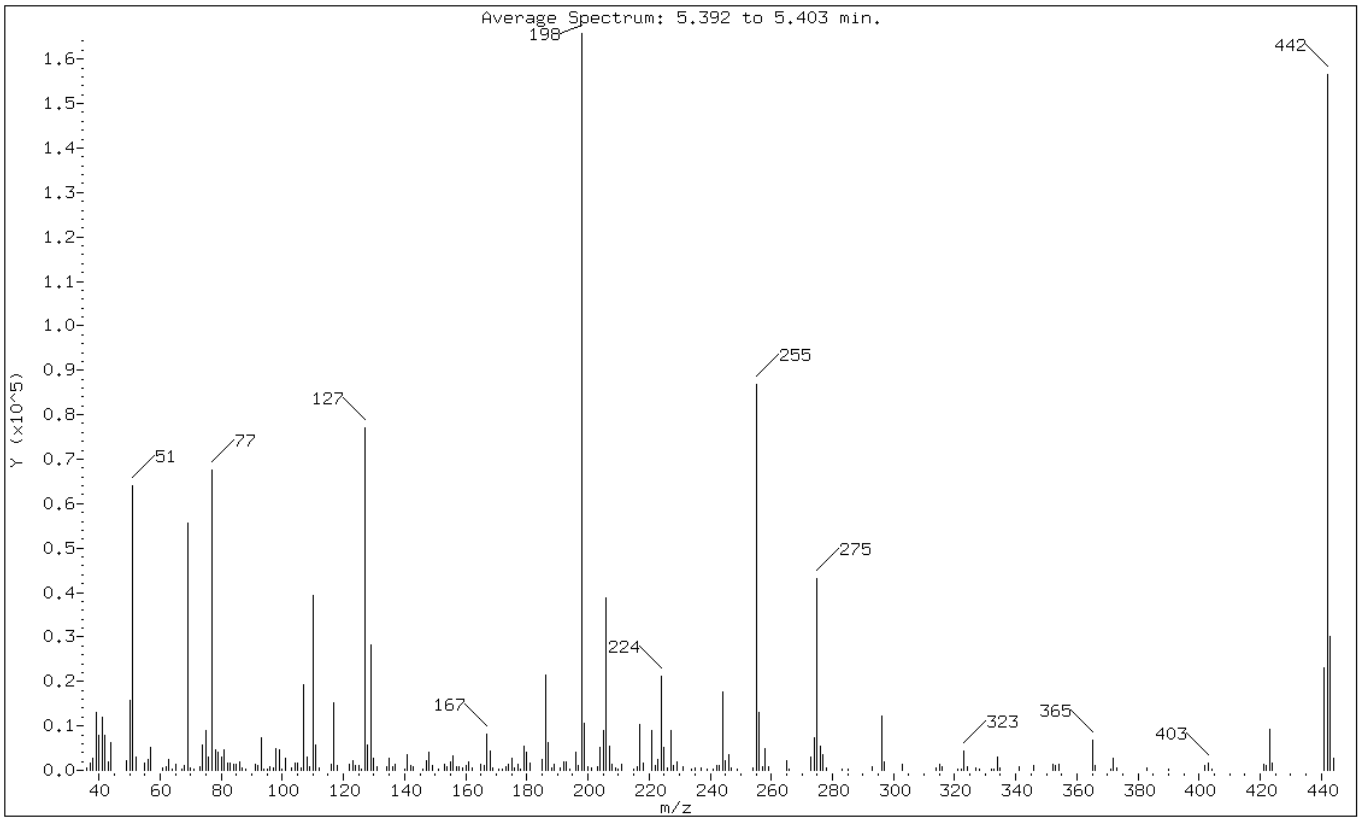
Data File: x16885.d

Date: 02-AUG-2011 12:18

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNAMS3

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	38.56
68	Less than 2.00% of mass 69	0.61 (1.83)
69	Mass 69 relative abundance	33.58
70	Less than 2.00% of mass 69	0.26 (0.78)
127	40.00 - 60.00% of mass 198	46.45
197	Less than 1.00% of mass 198	0.65
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 30.00% of mass 198	26.00
365	Greater than 1.00% of mass 198	4.03
441	0.01 - 100.00% of mass 443	13.86 (76.27)
442	40.00 - 110.00% of mass 198	94.38
443	17.00 - 23.00% of mass 442	18.17 (19.25)

Data File: x16885.d

Date: 02-AUG-2011 12:18

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNAMS3

Data File: /chem/BNAMS5.i/8270/08-02-11/02aug11.b/x16885.d
Spectrum: Average Spectrum: 5.392 to 5.403 min.
Location of Maximum: 198.00
Number of points: 221

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	670	106.00	464	179.00	5417	257.00	852
37.00	1526	107.00	19152	180.00	4099	258.00	4795
38.00	2735	108.00	3108	181.00	1707	259.00	801
39.00	13087	109.00	852	185.00	2503	265.00	2043
40.00	7797	110.00	39224	186.00	21328	266.00	187
41.00	12020	111.00	5804	187.00	6210	273.00	2981
42.00	7951	112.00	589	188.00	659	274.00	7339
43.00	1956	116.00	1307	189.00	1473	275.00	43104
44.00	6226	117.00	15137	191.00	608	276.00	5460
49.00	2054	118.00	1153	192.00	1915	277.00	3481
50.00	15680	122.00	1472	193.00	2009	278.00	501
51.00	63928	123.00	2222	194.00	393	283.00	203
52.00	3002	124.00	968	196.00	4168	285.00	361
55.00	1716	125.00	954	197.00	1085	293.00	850
56.00	2492	126.00	175	198.00	165760	296.00	12081
57.00	5048	127.00	77016	199.00	10688	297.00	1811
61.00	597	128.00	5579	200.00	810	303.00	1367
62.00	878	129.00	28088	201.00	533	314.00	455
63.00	2460	130.00	2602	203.00	925	315.00	1349
64.00	170	131.00	804	204.00	5196	316.00	921
65.00	1287	134.00	887	205.00	8826	321.00	169
67.00	378	135.00	2684	206.00	38864	322.00	168
68.00	1017	136.00	928	207.00	5509	323.00	4306
69.00	55672	137.00	1415	208.00	1353	324.00	901
70.00	433	140.00	172	209.00	432	327.00	601
71.00	360	141.00	3587	210.00	382	328.00	210
73.00	807	142.00	1147	211.00	1343	332.00	189
74.00	5629	143.00	903	215.00	197	333.00	172
75.00	8841	146.00	360	216.00	783	334.00	3105
76.00	3107	147.00	2036	217.00	10355	335.00	524
77.00	67560	148.00	3958	218.00	1651	341.00	679
78.00	4590	149.00	997	221.00	8892	346.00	1026
79.00	3975	151.00	376	222.00	1196	352.00	1422
80.00	2968	153.00	1233	223.00	2442	353.00	981
81.00	4597	154.00	918	224.00	21296	354.00	1485
82.00	1506	155.00	2022	225.00	5273	365.00	6682
83.00	1609	156.00	3245	226.00	580	366.00	989
84.00	1241	157.00	742	227.00	8928	371.00	177
85.00	1234	158.00	758	228.00	1205	372.00	2682
86.00	1927	159.00	587	229.00	1864	373.00	641

87.00	444	160.00	1133	231.00	825	383.00	515
88.00	170	161.00	1832	234.00	378	390.00	198
91.00	1301	162.00	582	235.00	532	402.00	1203
92.00	1120	165.00	1388	237.00	630	403.00	1582
93.00	7300	166.00	1168	239.00	184	404.00	253
94.00	226	167.00	8148	241.00	259	421.00	1436
95.00	183	168.00	4293	242.00	1119	422.00	1047
96.00	709	169.00	621	243.00	1010	423.00	9118
97.00	463	171.00	395	244.00	17704	424.00	1729
98.00	5009	172.00	328	245.00	2182	441.00	22976
99.00	4576	173.00	847	246.00	3421	442.00	156480
100.00	175	174.00	1367	247.00	449	443.00	30120
101.00	2807	175.00	2765	249.00	235	444.00	2628
103.00	513	176.00	654	254.00	419		
104.00	1756	177.00	1434	255.00	86912		
105.00	1498	178.00	175	256.00	12991		

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17123.d
Report Date: 12-Aug-2011 08:53

TestAmerica

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17123.d
Lab Smp Id: DFTPP-937638
Inj Date : 12-AUG-2011 08:47
Operator : BNA2 Inst ID: BNAMS5.i
Smp Info : DFTPP-937638
Misc Info : 25 ppm bna 4557
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/BNADFTPP.m
Meth Date : 02-Aug-2011 10:34 monica Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.269	5.350	-0.081	198	161584			0.00- 100.00	100.00
5.269	5.350	-0.081	51	71021			30.00- 60.00	43.95
5.269	5.350	-0.081	68	901			0.00- 2.00	1.50
5.269	5.350	-0.081	69	60040			0.00- 0.00	37.16
5.269	5.350	-0.081	70	297			0.00- 2.00	0.49
5.269	5.350	-0.081	127	77482			40.00- 60.00	47.95
5.269	5.350	-0.081	197	842			0.00- 1.00	0.52
5.269	5.350	-0.081	199	10635			5.00- 9.00	6.58
5.269	5.350	-0.081	275	39541			10.00- 30.00	24.47
5.269	5.350	-0.081	365	5477			1.00- 0.00	3.39
5.269	5.350	-0.081	441	17868			0.01- 100.00	71.96
5.269	5.350	-0.081	442	128618			40.00- 110.00	79.60
5.269	5.350	-0.081	443	24830			17.00- 23.00	19.31

Data File: x17123.d

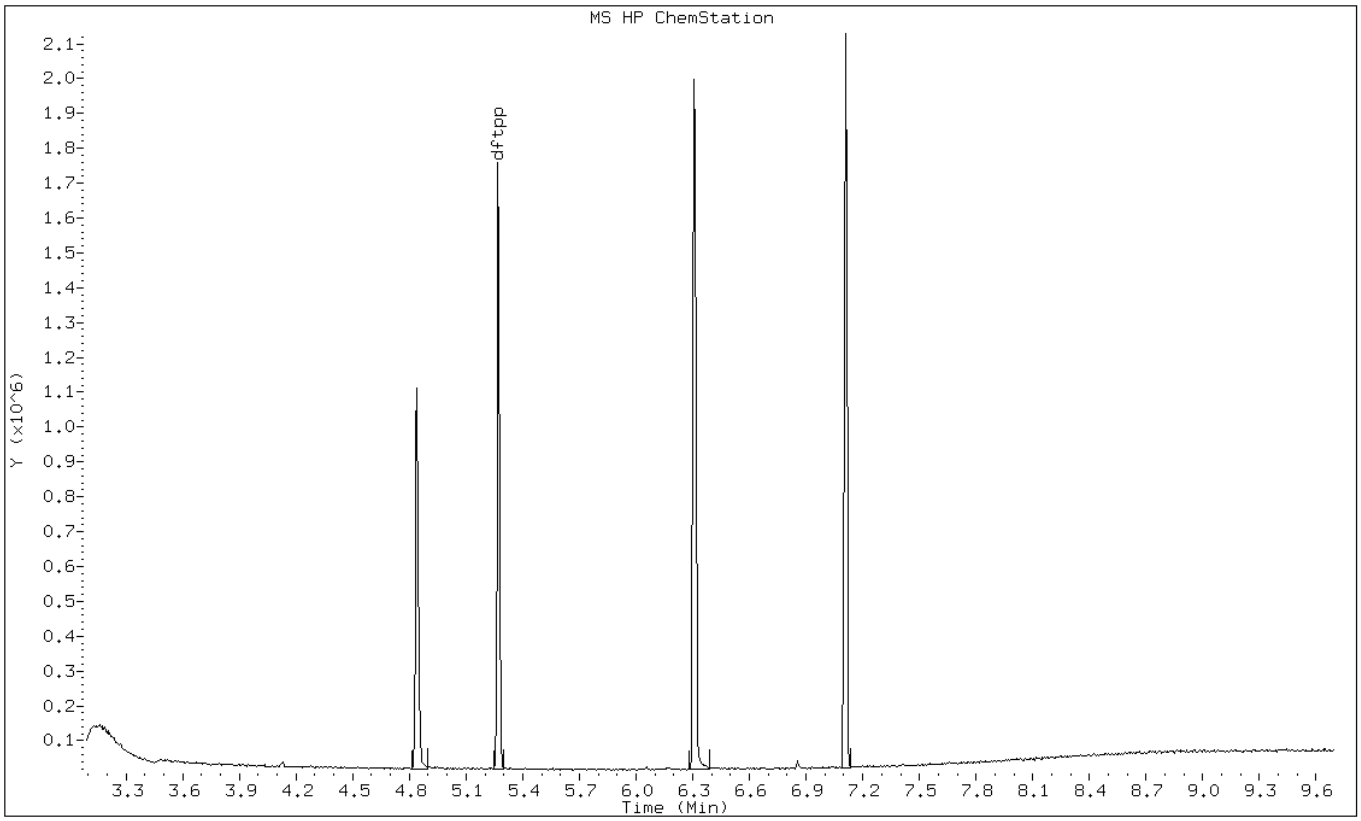
Date: 12-AUG-2011 08:47

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-937638

Operator: BNA2



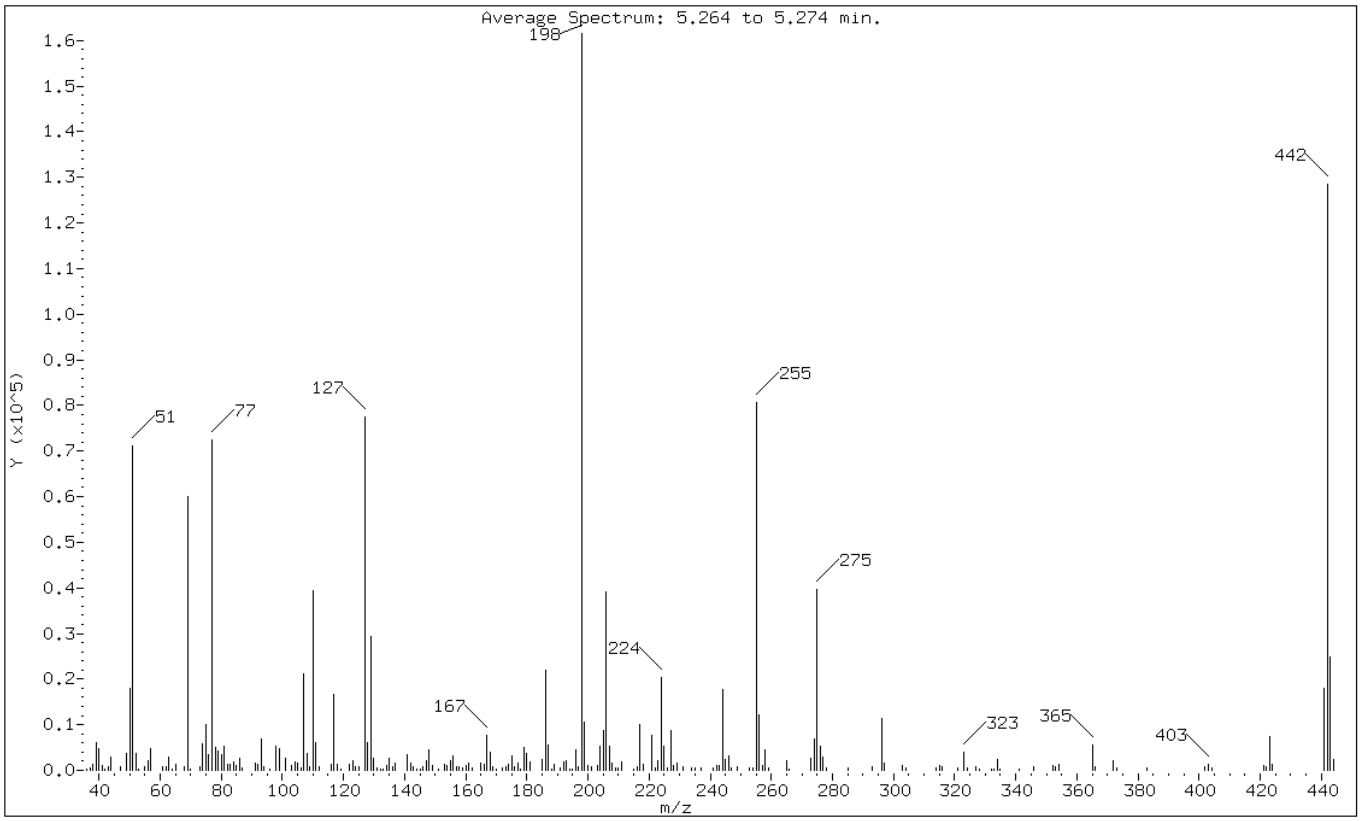
Data File: x17123.d

Date: 12-AUG-2011 08:47

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	43.95
68	Less than 2.00% of mass 69	0.56 (1.50)
69	Mass 69 relative abundance	37.16
70	Less than 2.00% of mass 69	0.18 (0.49)
127	40.00 - 60.00% of mass 198	47.95
197	Less than 1.00% of mass 198	0.52
199	5.00 - 9.00% of mass 198	6.58
275	10.00 - 30.00% of mass 198	24.47
365	Greater than 1.00% of mass 198	3.39
441	0.01 - 100.00% of mass 443	11.06 (71.96)
442	40.00 - 110.00% of mass 198	79.60
443	17.00 - 23.00% of mass 442	15.37 (19.31)

Data File: x17123.d

Date: 12-AUG-2011 08:47

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNA2

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17123.d
Spectrum: Average Spectrum: 5.264 to 5.274 min.
Location of Maximum: 198.00
Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	373	109.00	672	178.00	167	254.00	431
37.00	403	110.00	39296	179.00	5055	255.00	80768
38.00	1373	111.00	6198	180.00	3626	256.00	12125
39.00	5997	112.00	732	181.00	1885	257.00	1047
40.00	4749	116.00	1266	185.00	2369	258.00	4544
41.00	1157	117.00	16560	186.00	21824	259.00	583
42.00	191	118.00	1314	187.00	5591	265.00	2085
43.00	699	119.00	182	188.00	388	266.00	219
44.00	2792	122.00	1336	189.00	1414	273.00	2512
47.00	665	123.00	2115	191.00	458	274.00	6994
49.00	3626	124.00	912	192.00	1761	275.00	39536
50.00	17912	125.00	874	193.00	2123	276.00	5168
51.00	71016	127.00	77480	194.00	248	277.00	2999
52.00	3790	128.00	6084	195.00	174	278.00	585
53.00	186	129.00	29384	196.00	4540	285.00	578
55.00	833	130.00	2549	197.00	842	293.00	923
56.00	2032	131.00	464	198.00	161536	296.00	11393
57.00	4749	132.00	169	199.00	10635	297.00	1660
61.00	771	133.00	200	200.00	1007	303.00	1056
62.00	711	134.00	1065	201.00	825	304.00	412
63.00	3003	135.00	2629	203.00	1187	314.00	592
64.00	233	136.00	847	204.00	5365	315.00	1109
65.00	1426	137.00	1473	205.00	8776	316.00	670
68.00	901	141.00	3542	206.00	39064	321.00	405
69.00	60040	142.00	1487	207.00	5417	323.00	3919
70.00	297	143.00	905	208.00	1614	324.00	629
73.00	908	144.00	179	209.00	638	327.00	853
74.00	5904	145.00	200	210.00	526	328.00	192
75.00	9941	146.00	683	211.00	1721	332.00	175
76.00	3459	147.00	2206	215.00	252	333.00	205
77.00	72464	148.00	4365	216.00	782	334.00	2467
78.00	5062	149.00	1112	217.00	9950	335.00	255
79.00	4318	151.00	183	218.00	1266	341.00	172
80.00	3458	153.00	1446	221.00	7609	346.00	791
81.00	5245	154.00	982	222.00	561	352.00	1163
82.00	1281	155.00	2147	223.00	2100	353.00	668
83.00	1429	156.00	3080	224.00	20272	354.00	1420
84.00	1896	157.00	808	225.00	5328	365.00	5477
85.00	1079	158.00	736	226.00	490	366.00	869
86.00	2549	159.00	417	227.00	8791	372.00	2161

87.00	621	160.00	1120	228.00	1178	373.00	513
91.00	1579	161.00	1528	229.00	1707	383.00	529
92.00	1260	162.00	551	231.00	753	402.00	884
93.00	6821	165.00	1626	234.00	446	403.00	1382
94.00	667	166.00	1210	235.00	570	404.00	472
96.00	174	167.00	7715	237.00	477	421.00	1076
98.00	5379	168.00	4067	241.00	404	422.00	814
99.00	4777	169.00	761	242.00	1107	423.00	7356
101.00	2726	170.00	176	243.00	1099	424.00	1374
103.00	1023	172.00	484	244.00	17744	441.00	17864
104.00	1782	173.00	849	245.00	2340	442.00	128616
105.00	1633	174.00	1451	246.00	3294	443.00	24824
106.00	459	175.00	3216	247.00	575	444.00	2297
107.00	21088	176.00	684	249.00	725		
108.00	3570	177.00	1481	253.00	484		

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17142.d
Report Date: 14-Aug-2011 09:45

TestAmerica

Data file : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17142.d
Lab Smp Id: DFTPP-937638
Inj Date : 14-AUG-2011 09:36
Operator : BNAMS3 Inst ID: BNAMS5.i
Smp Info : DFTPP-937638
Misc Info : 25 ppm bna 4557
Comment   :
Method   : /chem/BNAMS5.i/8270/08-02-11/14aug11.b/BNADFTPP.m
Meth Date : 02-Aug-2011 10:34 monica Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None

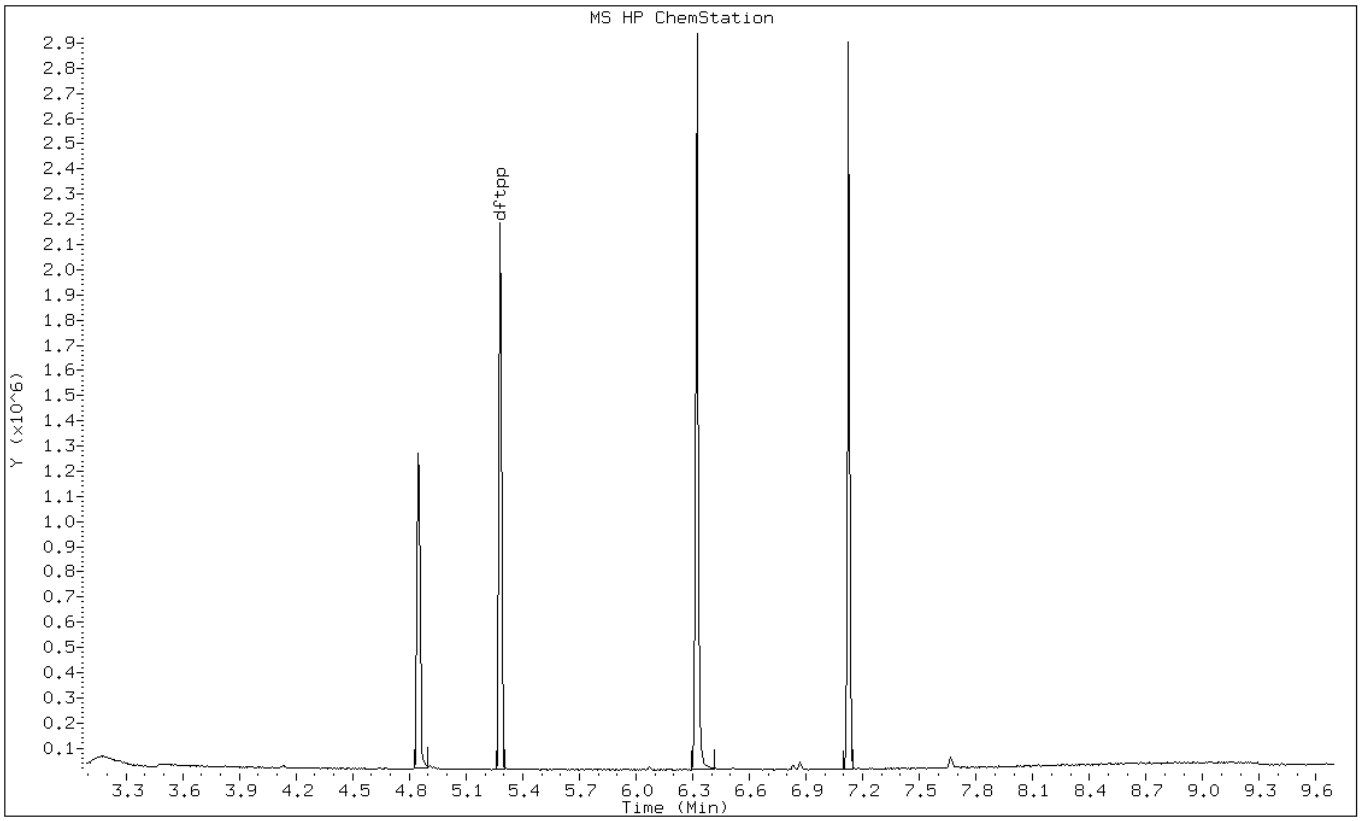
					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #:		
5.280	5.350	-0.070	198	156120			0.00- 100.00	100.00
5.280	5.350	-0.070	51	71794			30.00- 60.00	45.99
5.280	5.350	-0.070	68	873			0.00- 2.00	1.45
5.280	5.350	-0.070	69	60056			0.00- 0.00	38.47
5.280	5.350	-0.070	70	0			0.00- 2.00	0.00
5.280	5.350	-0.070	127	76444			40.00- 60.00	48.96
5.280	5.350	-0.070	197	799			0.00- 1.00	0.51
5.280	5.350	-0.070	199	10938			5.00- 9.00	7.01
5.280	5.350	-0.070	275	38155			10.00- 30.00	24.44
5.280	5.350	-0.070	365	5353			1.00- 0.00	3.43
5.280	5.350	-0.070	441	18082			0.01- 100.00	74.59
5.280	5.350	-0.070	442	126701			40.00- 110.00	81.16
5.280	5.350	-0.070	443	24243			17.00- 23.00	19.13

Data File: x17142.d

Date: 14-AUG-2011 09:36

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNAMS3



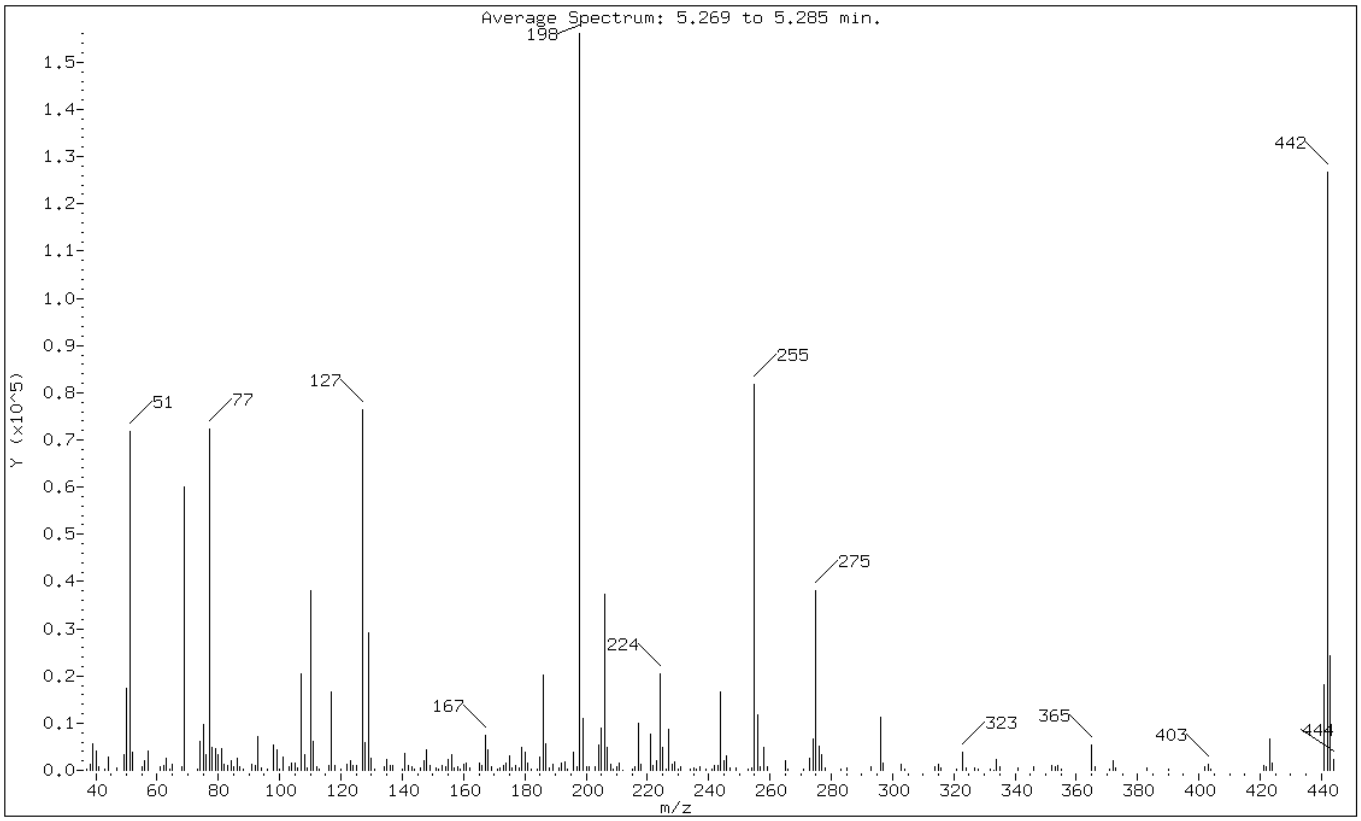
Data File: x17142.d

Date: 14-AUG-2011 09:36

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.99
68	Less than 2.00% of mass 69	0.56 (1.45)
69	Mass 69 relative abundance	38.47
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.96
197	Less than 1.00% of mass 198	0.51
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 30.00% of mass 198	24.44
365	Greater than 1.00% of mass 198	3.43
441	0.01 - 100.00% of mass 443	11.58 (74.59)
442	40.00 - 110.00% of mass 198	81.16
443	17.00 - 23.00% of mass 442	15.53 (19.13)

Data File: x17142.d

Date: 14-AUG-2011 09:36

Client ID: Instrument: BNAMS5.i

Sample Info: DFTPP-937638 Operator: BNAMS3

Data File: /chem/BNAMS5.i/8270/08-02-11/14aug11.b/x17142.d
Spectrum: Average Spectrum: 5.269 to 5.285 min.
Location of Maximum: 198.00
Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	291	113.00	164	185.00	2771	257.00	759
38.00	1193	116.00	1009	186.00	20064	258.00	4731
39.00	5519	117.00	16680	187.00	5670	259.00	696
40.00	4210	118.00	1144	188.00	582	265.00	2079
41.00	718	120.00	181	189.00	1218	266.00	175
43.00	136	122.00	1345	191.00	620	271.00	167
44.00	2807	123.00	2079	192.00	1562	273.00	2434
47.00	628	124.00	1002	193.00	1905	274.00	6718
49.00	3288	125.00	1031	194.00	147	275.00	38152
50.00	17336	127.00	76440	196.00	3953	276.00	5018
51.00	71792	128.00	5815	197.00	799	277.00	3418
52.00	3801	129.00	29088	198.00	156096	278.00	418
55.00	696	130.00	2487	199.00	10938	283.00	299
56.00	1993	131.00	371	200.00	855	285.00	590
57.00	4191	134.00	810	201.00	678	293.00	730
61.00	707	135.00	2396	203.00	841	296.00	11284
62.00	901	136.00	964	204.00	5271	297.00	1473
63.00	2572	137.00	1121	205.00	8997	303.00	1395
64.00	153	140.00	179	206.00	37416	304.00	286
65.00	1209	141.00	3563	207.00	4910	314.00	658
68.00	873	142.00	1133	208.00	1227	315.00	1338
69.00	60056	143.00	798	209.00	261	316.00	532
73.00	350	144.00	144	210.00	658	321.00	200
74.00	6028	146.00	567	211.00	1562	323.00	3713
75.00	9681	147.00	2096	212.00	125	324.00	499
76.00	3294	148.00	4320	215.00	340	327.00	496
77.00	72304	149.00	951	216.00	739	328.00	192
78.00	4806	151.00	564	217.00	9894	332.00	156
79.00	4563	152.00	140	218.00	1189	333.00	126
80.00	3199	153.00	1096	221.00	7694	334.00	2426
81.00	4668	154.00	806	222.00	966	335.00	792
82.00	1158	155.00	2229	223.00	2058	341.00	400
83.00	1034	156.00	3287	224.00	20368	346.00	672
84.00	2080	157.00	631	225.00	4954	352.00	1099
85.00	819	158.00	651	226.00	383	353.00	758
86.00	2575	159.00	351	227.00	8701	354.00	1095
87.00	728	160.00	1359	228.00	1369	355.00	135
88.00	295	161.00	1439	229.00	1702	365.00	5353
91.00	1349	162.00	431	230.00	135	366.00	869
92.00	1106	165.00	1515	231.00	685	371.00	319

93.00	7228	166.00	942	234.00	174	372.00	2071
94.00	409	167.00	7504	235.00	623	373.00	489
96.00	142	168.00	4443	236.00	360	383.00	629
98.00	5418	169.00	767	237.00	645	390.00	297
99.00	4466	171.00	137	239.00	141	402.00	692
100.00	193	172.00	585	241.00	298	403.00	1315
101.00	2755	173.00	944	242.00	1127	404.00	342
103.00	817	174.00	1616	243.00	1022	421.00	944
104.00	1427	175.00	3050	244.00	16560	422.00	773
105.00	1636	176.00	570	245.00	2025	423.00	6761
106.00	517	177.00	1136	246.00	3091	424.00	1570
107.00	20432	178.00	495	247.00	471	441.00	18080
108.00	3222	179.00	4961	249.00	560	442.00	126696
109.00	628	180.00	3736	253.00	347	443.00	24240
110.00	38184	181.00	1639	254.00	409	444.00	2219
111.00	6023	182.00	259	255.00	81776		
112.00	644	184.00	349	256.00	11837		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-82769/1-A

Matrix: Water | Lab File ID: x17131.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 12:00

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10	U	10	3.7
208-96-8	Acenaphthylene	10	U	10	4.0
83-32-9	Acenaphthene	10	U	10	3.8
86-73-7	Fluorene	10	U	10	3.3
85-01-8	Phenanthrene	10	U	10	3.6
120-12-7	Anthracene	10	U	10	3.6
206-44-0	Fluoranthene	10	U	10	2.6
129-00-0	Pyrene	10	U	10	4.3
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.27
218-01-9	Chrysene	10	U	10	3.8
205-99-2	Benzo[b]fluoranthene	1.0	U	1.0	0.21
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.30
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	1.0	U	1.0	0.12
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.16
191-24-2	Benzo[g,h,i]perylene	10	U	10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	102		56-112
4165-62-2	Phenol-d5	31		10-48
1718-51-0	Terphenyl-d14	82		50-122
118-79-6	2,4,6-Tribromophenol	92		46-122
367-12-4	2-Fluorophenol	51		10-65
321-60-8	2-Fluorobiphenyl	92		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17131.d
Report Date: 12-Aug-2011 13:08

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17131.d
Lab Smp Id: MB 460-82769/1-A
Inj Date : 12-AUG-2011 12:00
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : MB 460-82769/1-A
Misc Info : MB 460-82769/1-A
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 9 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

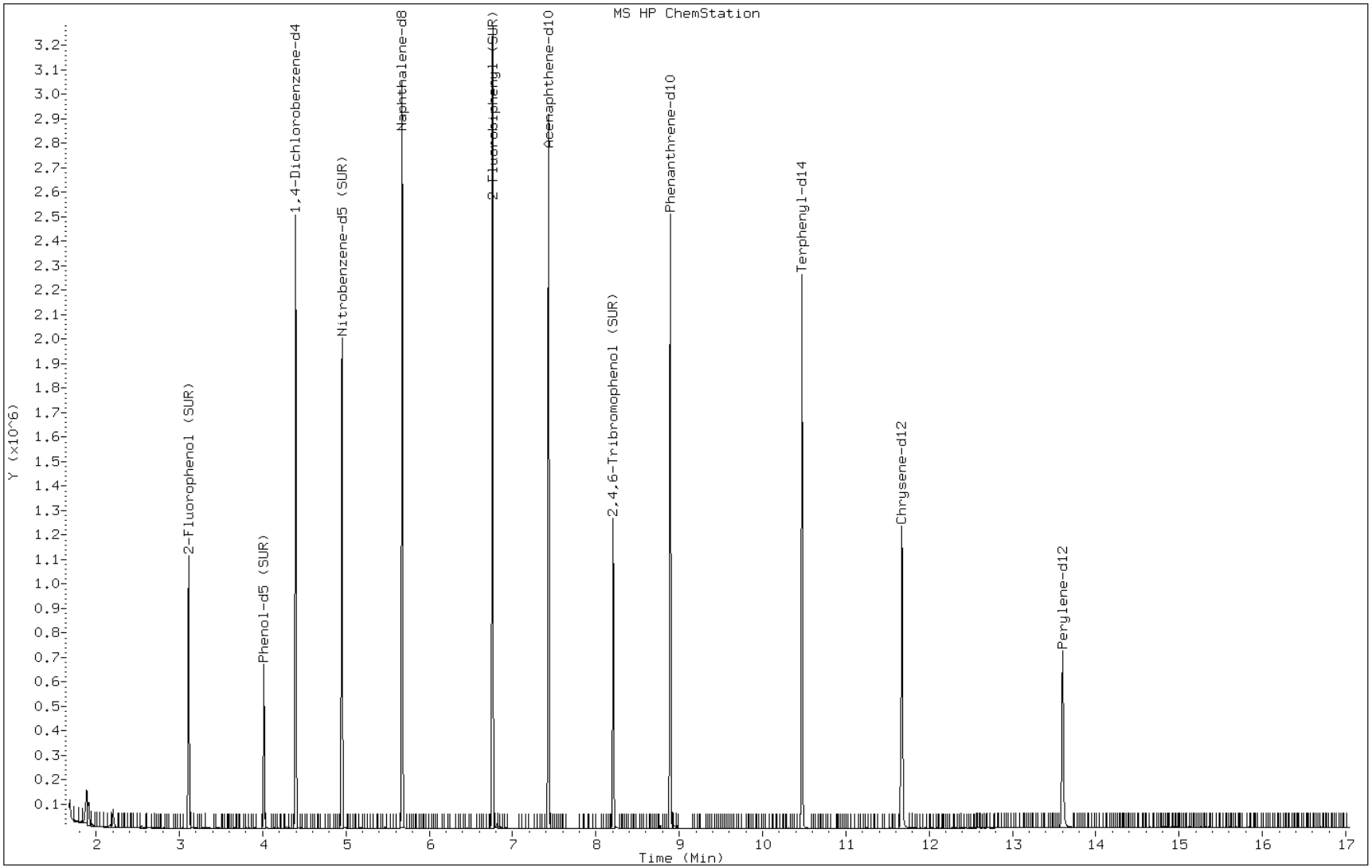
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
$ 16 2-Fluorophenol (SUR)	112	3.111	3.117	(0.708)	316605	25.5269	51
$ 17 Phenol-d5 (SUR)	99	4.017	4.047	(0.914)	217967	15.3330	31
* 79 1,4-Dichlorobenzene-d4	152	4.394	4.399	(1.000)	389435	40.0000	
$ 76 Nitrobenzene-d5 (SUR)	82	4.952	4.964	(0.873)	649231	51.0774	100
* 80 Naphthalene-d8	136	5.676	5.682	(1.000)	1427189	40.0000	
$ 77 2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.911)	1128153	46.0980	92
* 82 Acenaphthene-d10	164	7.429	7.435	(1.000)	679776	40.0000	
$ 18 2,4,6-Tribromophenol (SUR)	330	8.205	8.217	(1.105)	156632	46.0612	92
* 83 Phenanthrene-d10	188	8.893	8.899	(1.000)	910705	40.0000	
$ 78 Terphenyl-d14	244	10.476	10.470	(0.898)	745779	40.9206	82
* 81 Chrysene-d12	240	11.670	11.675	(1.000)	534148	40.0000	
* 84 Perylene-d12	264	13.599	13.599	(1.000)	403631	40.0000	

Data File: x17131.d

Date: 12-AUG-2011 12:00

Client ID: Instrument: BNAMS5.i

Sample Info: MB 460-82769/1-A Operator: BNAMS 4



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-82769/2-A

Matrix: Water | Lab File ID: x17134.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 13:14

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89.8		10	3.7
208-96-8	Acenaphthylene	88.7		10	4.0
83-32-9	Acenaphthene	94.2		10	3.8
86-73-7	Fluorene	85.6		10	3.3
85-01-8	Phenanthrene	91.5		10	3.6
120-12-7	Anthracene	90.5		10	3.6
206-44-0	Fluoranthene	88.3		10	2.6
129-00-0	Pyrene	91.4		10	4.3
56-55-3	Benzo[a]anthracene	90.7		1.0	0.27
218-01-9	Chrysene	89.5		10	3.8
205-99-2	Benzo[b]fluoranthene	99.2		1.0	0.21
207-08-9	Benzo[k]fluoranthene	92.0		1.0	0.30
50-32-8	Benzo[a]pyrene	93.8		1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	83.4		1.0	0.12
53-70-3	Dibenz(a,h)anthracene	99.1		1.0	0.16
191-24-2	Benzo[g,h,i]perylene	93.9		10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	95		56-112
4165-62-2	Phenol-d5	30		10-48
1718-51-0	Terphenyl-d14	87		50-122
118-79-6	2,4,6-Tribromophenol	84		46-122
367-12-4	2-Fluorophenol	52		10-65
321-60-8	2-Fluorobiphenyl	85		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17134.d
Report Date: 12-Aug-2011 13:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17134.d
Lab Smp Id: LCS 460-82769/2-A
Inj Date : 12-AUG-2011 13:14
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : LCS 460-82769/2-A
Misc Info : LCS 460-82769/2-A
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 12 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	106 1,4-Dioxane	88	1.770	1.741	(0.402)	199789	33.7987	68(R)
	19 N-Nitrosodimethylamine	74	1.988	1.970	(0.452)	303320	37.7179	75(R)
	71 Pyridine	79	2.023	2.000	(0.460)	513407	35.5768	71(R)
$	16 2-Fluorophenol (SUR)	112	3.123	3.117	(0.710)	404314	26.1947	52
	110 Benzaldehyde	77	3.958	3.958	(0.900)	432102	65.8548	130
$	17 Phenol-d5 (SUR)	99	4.029	4.047	(0.916)	268857	15.1975	30
	1 Phenol	94	4.041	4.058	(0.918)	334740	17.7860	36(H)
	73 Aniline	93	4.070	4.076	(0.925)	824411	35.5597	71
	20 bis(2-Chloroethyl)ether	93	4.129	4.135	(0.938)	795018	47.7998	96
	2 2-Chlorophenol	128	4.193	4.199	(0.953)	786441	46.3757	93
	113 n-decane	43	4.246	4.247	(0.965)	873329	46.8502	94
	21 1,3-Dichlorobenzene	146	4.346	4.346	(0.988)	928508	46.2880	92
*	79 1,4-Dichlorobenzene-d4	152	4.399	4.399	(1.000)	484641	40.0000	
	22 1,4-Dichlorobenzene	146	4.417	4.417	(1.004)	902900	45.6449	91
	74 Benzyl Alcohol	108	4.540	4.546	(1.032)	408976	42.2955	84

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17134.d
Report Date: 12-Aug-2011 13:42

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
	23	1,2-Dichlorobenzene	146	4.570	4.570	(1.039)	876090	46.7175	93
	3	2-Methylphenol	108	4.652	4.658	(1.057)	531485	38.8326	78
	24	bis (2-chloroisopropyl) ether	45	4.676	4.676	(1.063)	1211668	47.9079	96
	104	Acetophenone	105	4.805	4.817	(1.092)	862304	49.8338	100
	4	4-Methylphenol	108	4.811	4.817	(1.094)	381455	27.7295	55
	123	3 & 4 Methylphenol	108	4.811	4.817	(1.094)	381455	27.6797	55
	25	N-Nitroso-di-n-propylamine	70	4.817	4.823	(1.095)	466539	50.5740	100
	26	Hexachloroethane	117	4.911	4.911	(1.116)	338407	44.5330	89
$	76	Nitrobenzene-d5 (SUR)	82	4.958	4.964	(0.873)	735471	47.5537	95
	27	Nitrobenzene	77	4.982	4.988	(0.877)	876390	46.4123	93
	107	N,N-Dimethylaniline	120	4.982	4.988	(1.132)	879840	38.4628	77
	28	Isophorone	82	5.223	5.229	(0.919)	1178954	46.2241	92
	5	2-Nitrophenol	139	5.299	5.299	(0.933)	443888	48.4828	97
	6	2,4-Dimethylphenol	122	5.346	5.352	(0.941)	620160	46.8483	94
	29	bis(2-Chloroethoxy)methane	93	5.440	5.441	(0.958)	796177	47.0353	94
	15	Benzoic Acid	122	5.446	5.505	(0.959)	84394	10.3889	21(MH)
	7	2,4-Dichlorophenol	162	5.546	5.546	(0.976)	585798	48.3101	97
	30	1,2,4-Trichlorobenzene	180	5.629	5.629	(0.991)	643416	45.0884	90
*	80	Naphthalene-d8	136	5.682	5.682	(1.000)	1736570	40.0000	
	31	Naphthalene	128	5.705	5.705	(1.004)	2001774	44.8794	90
	32	4-Chloroaniline	127	5.758	5.758	(1.013)	757787	43.7680	88
	33	Hexachlorobutadiene	225	5.835	5.835	(1.027)	348990	44.0367	88
	111	Caprolactam	113	6.123	6.146	(1.078)	41044	10.7190	21
	8	4-Chloro-3-methylphenol	107	6.252	6.258	(1.100)	491226	48.7906	98
	34	2-Methylnaphthalene	142	6.399	6.399	(1.126)	1309406	45.3234	91
	120	1-Methylnaphthalene	142	6.493	6.499	(1.143)	14529	0.50688	1.0(a)
	35	Hexachlorocyclopentadiene	237	6.564	6.564	(0.883)	286885	37.2485	74
	129	1,2,4,5-Tetrachlorobenzene	216	6.570	6.570	(0.884)	537355	46.2364	92
	9	2,4,6-Trichlorophenol	196	6.682	6.688	(0.899)	393402	47.2707	94
	10	2,4,5-Trichlorophenol	196	6.717	6.723	(0.903)	384945	46.9092	94
$	77	2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.910)	1270187	42.7254	85
	102	Diphenyl	154	6.864	6.864	(0.923)	1471058	44.7576	90
	36	2-Chloronaphthalene	162	6.882	6.888	(0.926)	1122637	43.9184	88
	103	Diphenyl Ether	170	6.970	6.970	(0.937)	798072	44.3340	89
	37	2-Nitroaniline	65	6.987	6.987	(0.940)	384228	50.0129	100
	38	Dimethylphthalate	163	7.170	7.170	(0.964)	1163477	44.9940	90
	40	2,6-Dinitrotoluene	165	7.229	7.229	(0.972)	285839	47.3675	95
	39	Acenaphthylene	152	7.293	7.293	(0.981)	1736432	44.3647	89
	41	3-Nitroaniline	138	7.393	7.393	(0.994)	316818	47.3541	95
*	82	Acenaphthene-d10	164	7.434	7.435	(1.000)	825774	40.0000	
	42	Acenaphthene	154	7.470	7.470	(1.005)	1082094	47.1095	94
	11	2,4-Dinitrophenol	184	7.493	7.499	(1.008)	164821	51.0473	100
	12	4-Nitrophenol	65	7.558	7.564	(1.017)	58063	15.6550	31
	44	2,4-Dinitrotoluene	165	7.623	7.629	(1.025)	338888	46.4159	93
	43	Dibenzofuran	168	7.640	7.640	(1.028)	1469634	44.7338	89
	130	2,3,4,6-Tetrachlorophenol	232	7.764	7.764	(1.044)	277173	47.9408	96
	45	Diethylphthalate	149	7.864	7.864	(1.058)	1081485	43.9730	88

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17134.d
Report Date: 12-Aug-2011 13:42

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
	46	4-Chlorophenyl-phenylether	204	7.976	7.970	(1.073)	466237	41.9586	84
	47	Fluorene	166	7.976	7.976	(1.073)	1073655	42.8239	86
	48	4-Nitroaniline	138	7.999	7.999	(1.076)	286429	48.4988	97
	13	4,6-Dinitro-2-methylphenol	198	8.028	8.029	(0.902)	201150	52.6738	100
	49	N-Nitrosodiphenylamine	169	8.093	8.093	(0.909)	813408	49.1895	98
	75	1,2-Diphenylhydrazine	77	8.134	8.129	(0.914)	1188913	47.0597	94
$	18	2,4,6-Tribromophenol (SUR)	330	8.217	8.217	(1.105)	174039	42.1314	84
	50	4-Bromophenyl-phenylether	248	8.458	8.452	(0.950)	305222	45.4305	91
	51	Hexachlorobenzene	284	8.528	8.529	(0.958)	345244	46.0498	92
	112	Atrazine	200	8.617	8.617	(0.968)	194437	34.9883	70
	14	Pentachlorophenol	266	8.717	8.717	(0.980)	202352	47.8177	96
	115	n-Octadecane	57	8.793	8.793	(0.988)	784671	45.0823	90
*	83	Phenanthrene-d10	188	8.899	8.899	(1.000)	1045523	40.0000	
	52	Phenanthrene	178	8.923	8.923	(1.003)	1396201	45.7712	92
	53	Anthracene	178	8.975	8.970	(1.009)	1393480	45.2357	90
	54	Carbazole	167	9.128	9.129	(1.026)	1203873	47.3783	95
	55	Di-n-butylphthalate	149	9.470	9.470	(1.064)	1391916	42.3013	85
	56	Fluoranthene	202	10.093	10.093	(1.134)	1169387	44.1562	88
	58	Benzidine	184	10.217	10.217	(1.148)	81841	17.5016	35
	57	Pyrene	202	10.322	10.317	(0.884)	1149012	45.7206	91
$	78	Terphenyl-d14	244	10.475	10.470	(0.897)	770106	43.3357	87
	59	Butylbenzylphthalate	149	10.999	10.999	(0.942)	454039	44.9717	90
	60	3,3'-Dichlorobenzidine	252	11.634	11.628	(0.996)	233506	48.3964	97
	61	Benzo(a)anthracene	228	11.664	11.658	(0.998)	766772	45.3524	91
*	81	Chrysene-d12	240	11.681	11.675	(1.000)	520832	40.0000	
	63	bis(2-Ethylhexyl)phthalate	149	11.699	11.693	(1.002)	560195	41.6310	83
	62	Chrysene	228	11.711	11.705	(1.003)	699185	44.7707	90
	64	Di-n-octylphthalate	149	12.558	12.558	(0.923)	776543	44.5527	89
	65	Benzo(b)fluoranthene	252	13.081	13.075	(0.962)	587375	49.5874	99
	66	Benzo(k)fluoranthene	252	13.116	13.111	(0.964)	603993	45.9906	92
	67	Benzo(a)pyrene	252	13.522	13.516	(0.994)	452182	46.9071	94
*	84	Perylene-d12	264	13.605	13.599	(1.000)	405606	40.0000	
	68	Indeno(1,2,3-cd)pyrene	276	15.134	15.128	(1.112)	395974	41.6752	83(M)
	69	Dibenz(a,h)anthracene	278	15.169	15.163	(1.115)	421691	49.5532	99
	70	Benzo(g,h,i)perylene	276	15.563	15.558	(1.144)	412999	46.9427	94

QC Flag Legend

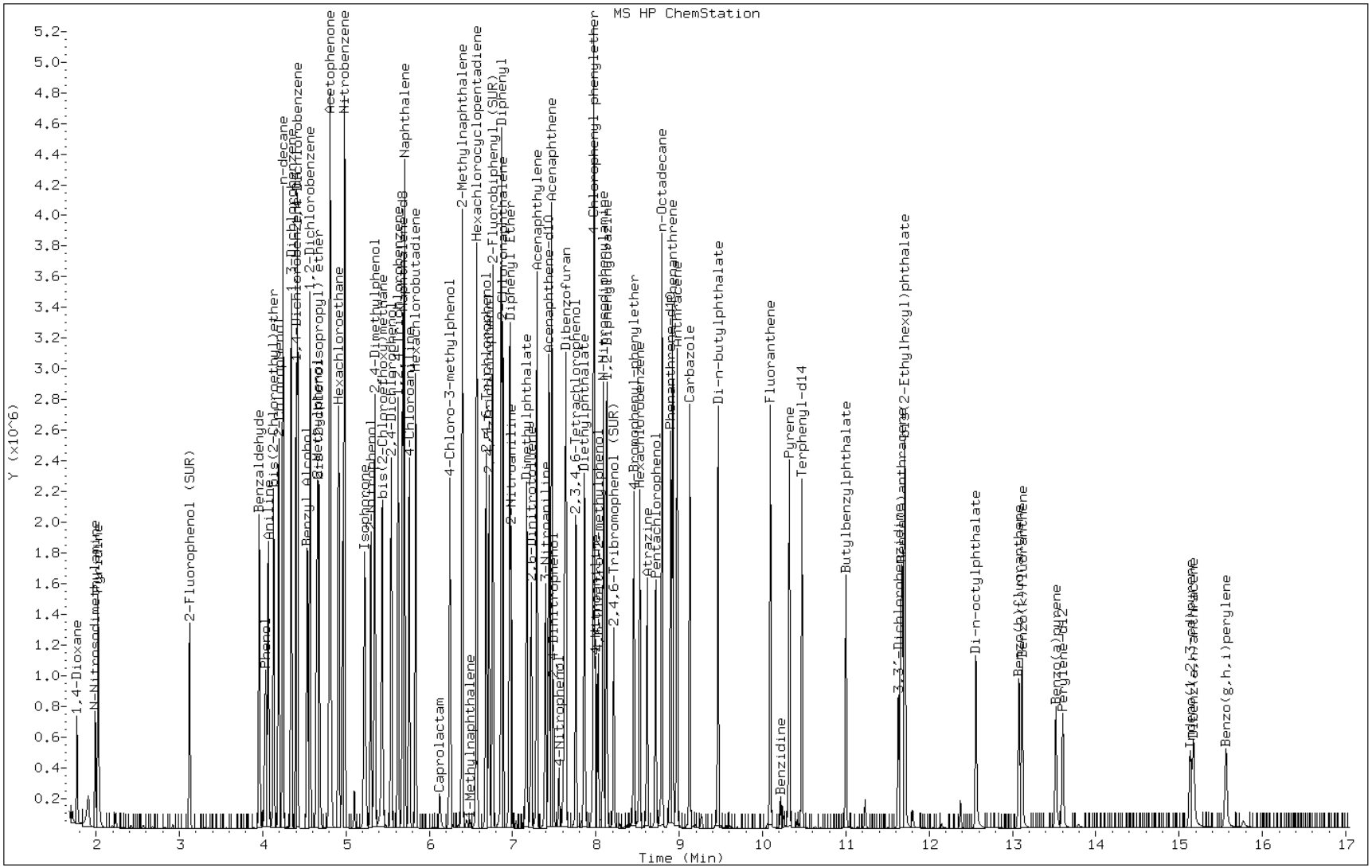
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x17134.d

Date: 12-AUG-2011 13:14

Client ID: Instrument: BNAMS5.i

Sample Info: LCS 460-82769/2-A Operator: BNAMS 4



Manual Integration Report

Data File: x17134.d
Inj. Date and Time: 12-AUG-2011 13:14
Instrument ID: BNAMS5.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/15/2011

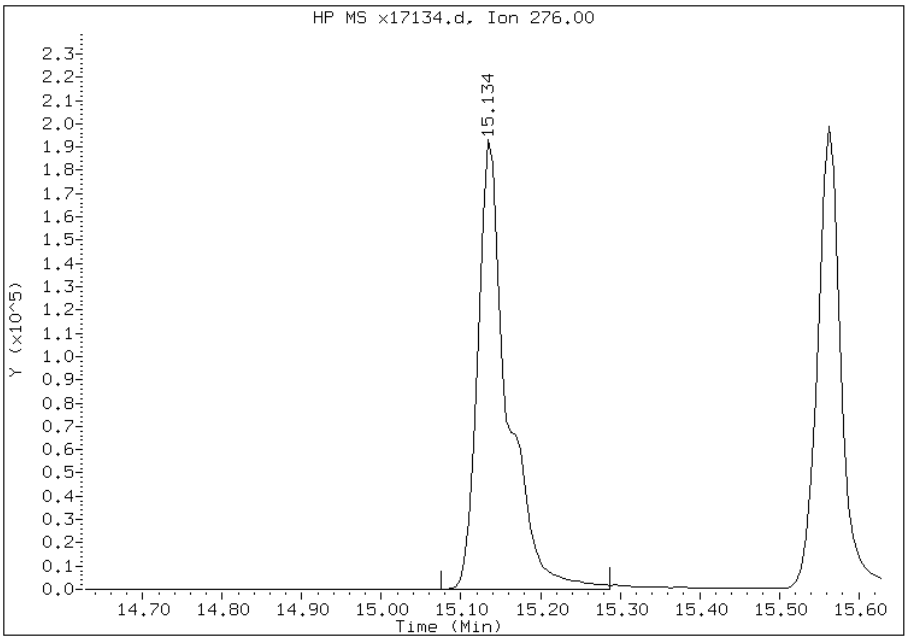
Processing Integration Results

RT: 15.13

Response: 497704

Amount: 52

Conc: 105



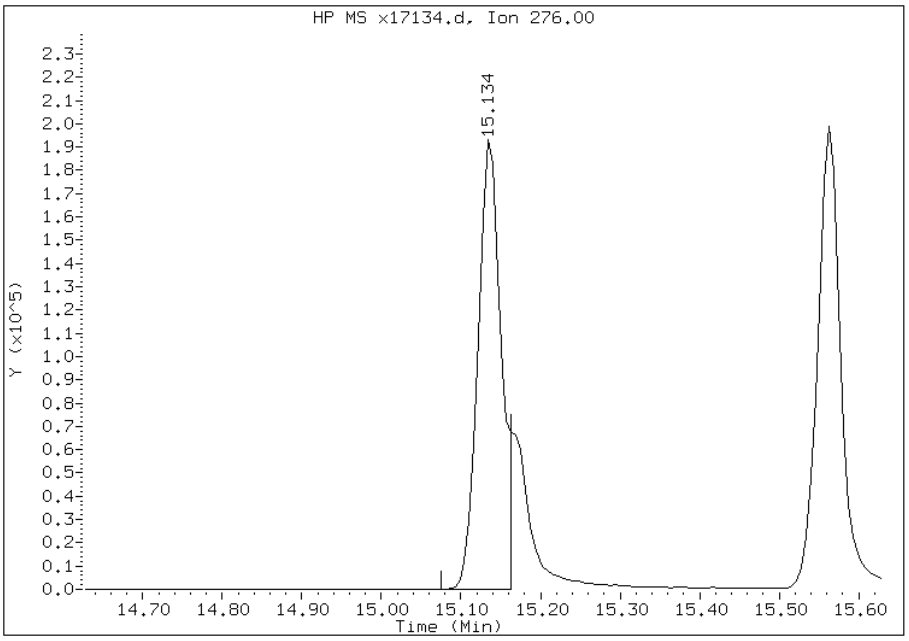
Manual Integration Results

RT: 15.13

Response: 395974

Amount: 42

Conc: 83



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-29791-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-82769/3-A

Matrix: Water | Lab File ID: x17135.d

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/11/2011 13:46

Sample wt/vol: 1000(mL) | Date Analyzed: 08/12/2011 13:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 83011 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	88.2		10	3.7
208-96-8	Acenaphthylene	86.1		10	4.0
83-32-9	Acenaphthene	89.8		10	3.8
86-73-7	Fluorene	83.5		10	3.3
85-01-8	Phenanthrene	89.8		10	3.6
120-12-7	Anthracene	89.2		10	3.6
206-44-0	Fluoranthene	89.4		10	2.6
129-00-0	Pyrene	86.7		10	4.3
56-55-3	Benzo[a]anthracene	87.4		1.0	0.27
218-01-9	Chrysene	85.8		10	3.8
205-99-2	Benzo[b]fluoranthene	92.3		1.0	0.21
207-08-9	Benzo[k]fluoranthene	93.3		1.0	0.30
50-32-8	Benzo[a]pyrene	90.0		1.0	0.18
193-39-5	Indeno[1,2,3-cd]pyrene	82.4		1.0	0.12
53-70-3	Dibenz(a,h)anthracene	94.8		1.0	0.16
191-24-2	Benzo[g,h,i]perylene	94.1		10	2.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		56-112
4165-62-2	Phenol-d5	28		10-48
1718-51-0	Terphenyl-d14	82		50-122
118-79-6	2,4,6-Tribromophenol	83		46-122
367-12-4	2-Fluorophenol	50		10-65
321-60-8	2-Fluorobiphenyl	85		53-108

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17135.d
Report Date: 12-Aug-2011 13:53

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17135.d
Lab Smp Id: LCSD 460-82769/3-A
Inj Date : 12-AUG-2011 13:38
Operator : BNAMS 4 Inst ID: BNAMS5.i
Smp Info : LCSD 460-82769/3-A
Misc Info : LCSD 460-82769/3-A
Comment :
Method : /chem/BNAMS5.i/8270/08-02-11/12aug11.b/8270C_08SP.m
Meth Date : 12-Aug-2011 09:18 croccom Quant Type: ISTD
Cal Date : 02-AUG-2011 14:44 Cal File: x16891.d
Als bottle: 13 QC Sample: BSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all-h20.sub
Target Version: 3.50
Processing Host: hpd1

Concentration Formula: Amt * DF * 1000*Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	106 1,4-Dioxane	88	1.758	1.741	(0.400)	165404	32.3772	65(R)
	19 N-Nitrosodimethylamine	74	1.982	1.970	(0.450)	242468	34.8871	70(R)
	71 Pyridine	79	2.017	2.000	(0.458)	412497	33.0743	66(R)
$	16 2-Fluorophenol (SUR)	112	3.117	3.117	(0.709)	330841	24.8015	50
	110 Benzaldehyde	77	3.958	3.958	(0.900)	359443	63.3863	130
$	17 Phenol-d5 (SUR)	99	4.023	4.047	(0.914)	216025	14.1293	28
	1 Phenol	94	4.041	4.058	(0.918)	271029	16.6629	33(H)
	73 Aniline	93	4.070	4.076	(0.925)	683304	34.1031	68
	20 bis(2-Chloroethyl)ether	93	4.129	4.135	(0.938)	655868	45.6279	91
	2 2-Chlorophenol	128	4.188	4.199	(0.952)	648018	44.2157	88
	113 n-decane	43	4.246	4.247	(0.965)	768405	47.8642	96
	21 1,3-Dichlorobenzene	146	4.346	4.346	(0.988)	780489	45.0209	90
*	79 1,4-Dichlorobenzene-d4	152	4.399	4.399	(1.000)	418847	40.0000	
	22 1,4-Dichlorobenzene	146	4.417	4.417	(1.004)	765583	44.7827	90
	74 Benzyl Alcohol	108	4.535	4.546	(1.031)	330240	39.5177	79

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17135.d
Report Date: 12-Aug-2011 13:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	23 1,2-Dichlorobenzene	146	4.570	4.570	(1.039)	738156	45.5453	91
	3 2-Methylphenol	108	4.652	4.658	(1.057)	438191	37.0453	74
	24 bis (2-chloroisopropyl) ether	45	4.670	4.676	(1.062)	1043638	47.6710	95
	104 Acetophenone	105	4.805	4.817	(1.092)	721722	47.8080	96
	4 4-Methylphenol	108	4.811	4.817	(1.094)	319689	26.7877	54
	123 3 & 4 Methylphenol	108	4.811	4.817	(1.094)	319689	26.7387	53
	25 N-Nitroso-di-n-propylamine	70	4.811	4.823	(1.094)	385226	47.5689	95
	26 Hexachloroethane	117	4.911	4.911	(1.116)	282572	43.0266	86
$	76 Nitrobenzene-d5 (SUR)	82	4.958	4.964	(0.873)	607100	45.2774	90
	27 Nitrobenzene	77	4.976	4.988	(0.876)	740596	44.9973	90
	107 N,N-Dimethylaniline	120	4.982	4.988	(1.132)	749528	37.7662	76
	28 Isophorone	82	5.223	5.229	(0.919)	972461	43.9791	88
	5 2-Nitrophenol	139	5.293	5.299	(0.932)	372220	46.8939	94
	6 2,4-Dimethylphenol	122	5.346	5.352	(0.941)	513414	44.7364	89
	29 bis(2-Chloroethoxy)methane	93	5.435	5.441	(0.957)	674137	45.9373	92
	15 Benzoic Acid	122	5.435	5.505	(0.957)	69464	9.86327	20(MH)
	7 2,4-Dichlorophenol	162	5.540	5.546	(0.975)	491785	46.7808	94
	30 1,2,4-Trichlorobenzene	180	5.629	5.629	(0.991)	550674	44.5112	89
*	80 Naphthalene-d8	136	5.682	5.682	(1.000)	1505531	40.0000	
	31 Naphthalene	128	5.705	5.705	(1.004)	1705909	44.1155	88
	32 4-Chloroaniline	127	5.758	5.758	(1.013)	637609	42.4782	85
	33 Hexachlorobutadiene	225	5.835	5.835	(1.027)	297303	43.2717	86
	111 Caprolactam	113	6.117	6.146	(1.077)	34915	10.5177	21
	8 4-Chloro-3-methylphenol	107	6.246	6.258	(1.099)	406574	46.5797	93
	34 2-Methylnaphthalene	142	6.393	6.399	(1.125)	1111585	44.3806	89
	120 1-Methylnaphthalene	142	6.493	6.499	(1.143)	11930	0.48008	0.96(a)
	35 Hexachlorocyclopentadiene	237	6.564	6.564	(0.883)	243865	36.7493	73
	129 1,2,4,5-Tetrachlorobenzene	216	6.570	6.570	(0.884)	454413	45.2083	90
	9 2,4,6-Trichlorophenol	196	6.682	6.688	(0.899)	326527	45.5380	91
	10 2,4,5-Trichlorophenol	196	6.717	6.723	(0.903)	326723	46.2102	92
$	77 2-Fluorobiphenyl (SUR)	172	6.764	6.764	(0.910)	1092091	42.6360	85
	102 Diphenyl	154	6.864	6.864	(0.923)	1244703	43.7867	88
	36 2-Chloronaphthalene	162	6.882	6.888	(0.926)	961421	43.6536	87
	103 Diphenyl Ether	170	6.964	6.970	(0.937)	683776	44.0867	88
	37 2-Nitroaniline	65	6.982	6.987	(0.939)	317216	47.9234	96
	38 Dimethylphthalate	163	7.170	7.170	(0.964)	1000898	44.9248	90
	40 2,6-Dinitrotoluene	165	7.223	7.229	(0.972)	240717	46.2983	92
	39 Acenaphthylene	152	7.293	7.293	(0.981)	1451233	43.0344	86
	41 3-Nitroaniline	138	7.393	7.393	(0.994)	260087	45.1196	90
*	82 Acenaphthene-d10	164	7.434	7.435	(1.000)	711479	40.0000	
	42 Acenaphthene	154	7.470	7.470	(1.005)	896211	44.9038	90
	11 2,4-Dinitrophenol	184	7.487	7.499	(1.007)	128070	46.0370	92
	12 4-Nitrophenol	65	7.552	7.564	(1.016)	46970	14.6985	29(a)
	44 2,4-Dinitrotoluene	165	7.617	7.629	(1.025)	287624	45.7230	91
	43 Dibenzofuran	168	7.634	7.640	(1.027)	1246168	44.0253	88
	130 2,3,4,6-Tetrachlorophenol	232	7.758	7.764	(1.044)	229206	46.0129	92
	45 Diethylphthalate	149	7.864	7.864	(1.058)	929949	43.8858	88

Data File: /chem/BNAMS5.i/8270/08-02-11/12aug11.b/x17135.d
Report Date: 12-Aug-2011 13:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	46 4-Chlorophenyl-phenylether	204	7.970	7.970	(1.072)	407265	42.6427	85
	47 Fluorene	166	7.976	7.976	(1.073)	902289	41.7702	84
	48 4-Nitroaniline	138	7.993	7.999	(1.075)	241952	47.5491	95
	13 4,6-Dinitro-2-methylphenol	198	8.023	8.029	(0.902)	163924	49.2312	98
	49 N-Nitrosodiphenylamine	169	8.087	8.093	(0.909)	697469	48.3741	97
	75 1,2-Diphenylhydrazine	77	8.129	8.129	(0.913)	1020960	46.3480	93
$	18 2,4,6-Tribromophenol (SUR)	330	8.211	8.217	(1.104)	148130	41.6199	83
	50 4-Bromophenyl-phenylether	248	8.452	8.452	(0.950)	262738	44.8516	90
	51 Hexachlorobenzene	284	8.523	8.529	(0.958)	289353	44.2643	88
	112 Atrazine	200	8.617	8.617	(0.968)	170021	35.0889	70
	14 Pentachlorophenol	266	8.717	8.717	(0.980)	163891	44.4181	89
	115 n-Octadecane	57	8.793	8.793	(0.988)	681238	44.8368	90
*	83 Phenanthrene-d10	188	8.899	8.899	(1.000)	911612	40.0000	
	52 Phenanthrene	178	8.923	8.923	(1.003)	1193883	44.8880	90
	53 Anthracene	178	8.970	8.970	(1.008)	1198149	44.6082	89
	54 Carbazole	167	9.128	9.129	(1.026)	1026728	46.3423	93
	55 Di-n-butylphthalate	149	9.470	9.470	(1.064)	1260635	43.9394	88
	56 Fluoranthene	202	10.093	10.093	(1.134)	1032103	44.6972	89
	58 Benzidine	184	10.217	10.217	(1.148)	80146	19.6567	39
	57 Pyrene	202	10.317	10.317	(0.884)	1016348	43.3479	87
$	78 Terphenyl-d14	244	10.475	10.470	(0.897)	680834	41.0653	82
	59 Butylbenzylphthalate	149	10.999	10.999	(0.942)	412381	43.7808	88
	60 3,3'-Dichlorobenzidine	252	11.628	11.628	(0.996)	210070	46.6678	93
	61 Benzo(a)anthracene	228	11.664	11.658	(0.999)	689547	43.7156	87
*	81 Chrysene-d12	240	11.675	11.675	(1.000)	485914	40.0000	
	63 bis(2-Ethylhexyl)phthalate	149	11.699	11.693	(1.002)	510419	40.6577	81
	62 Chrysene	228	11.711	11.705	(1.003)	625366	42.9214	86
	64 Di-n-octylphthalate	149	12.558	12.558	(0.923)	708450	43.3923	87
	65 Benzo(b)fluoranthene	252	13.075	13.075	(0.962)	511866	46.1325	92
	66 Benzo(k)fluoranthene	252	13.111	13.111	(0.964)	574027	46.6621	93
	67 Benzo(a)pyrene	252	13.522	13.516	(0.994)	406545	45.0224	90
*	84 Perylene-d12	264	13.599	13.599	(1.000)	379935	40.0000	
	68 Indeno(1,2,3-cd)pyrene	276	15.134	15.128	(1.113)	366529	41.1827	82(M)
	69 Dibenz(a,h)anthracene	278	15.169	15.163	(1.115)	378029	47.4240	95
	70 Benzo(g,h,i)perylene	276	15.563	15.558	(1.144)	387543	47.0255	94

QC Flag Legend

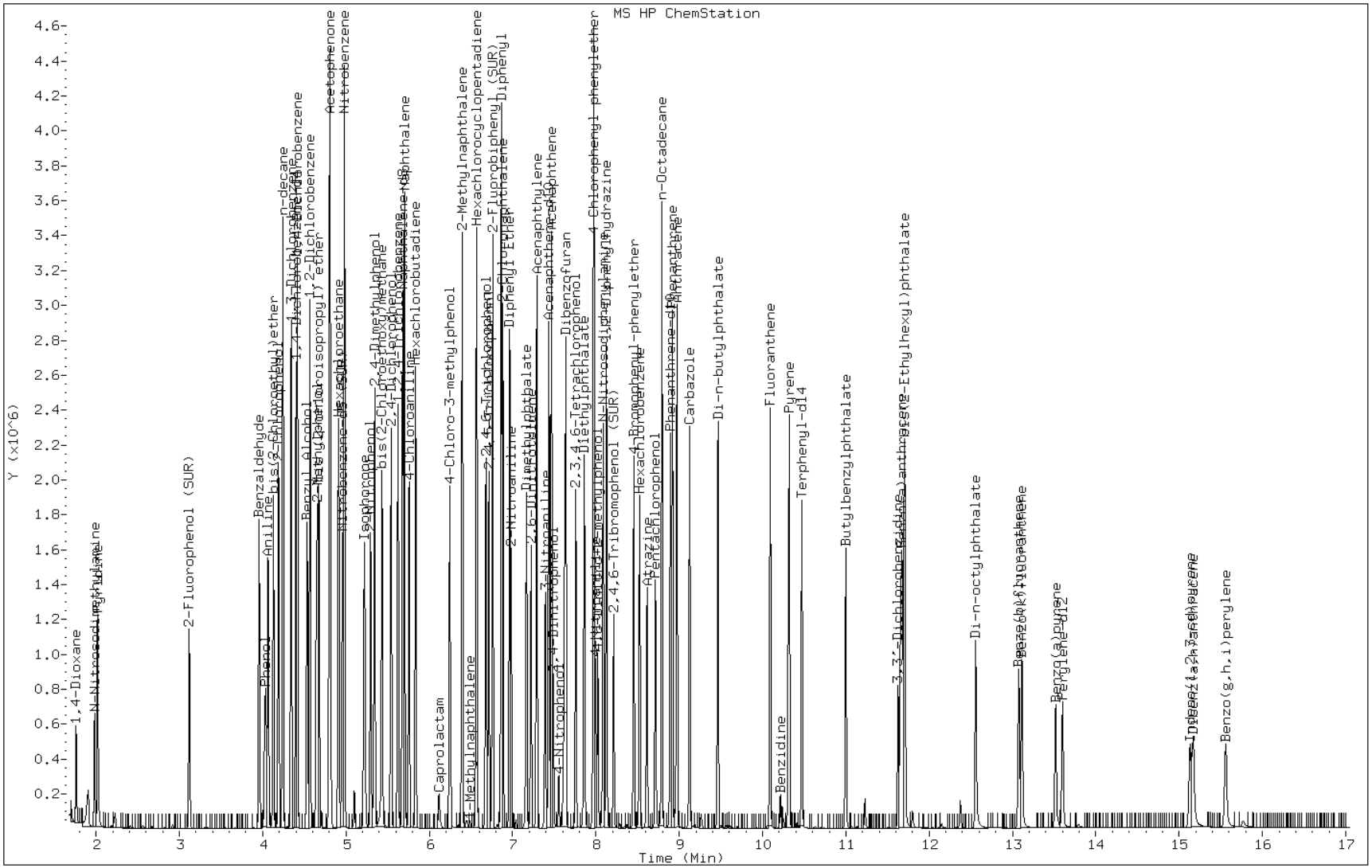
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: x17135.d

Date: 12-AUG-2011 13:38

Client ID: Instrument: BNAMS5.i

Sample Info: LCSD 460-82769/3-A Operator: BNAMS 4



Manual Integration Report

Data File: x17135.d
Inj. Date and Time: 12-AUG-2011 13:38
Instrument ID: BNAMS5.i
Client ID:
Compound: 68 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 08/15/2011

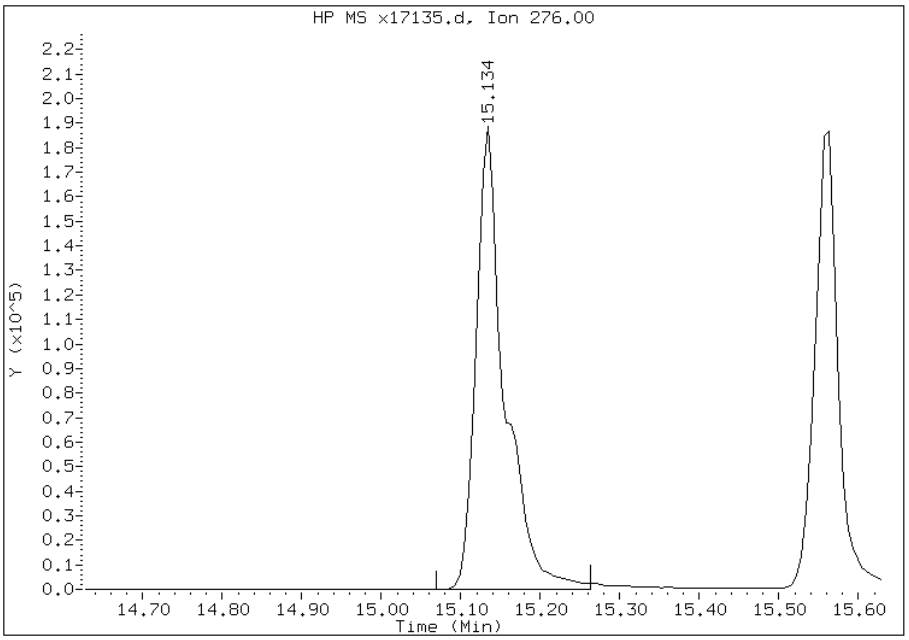
Processing Integration Results

RT: 15.13

Response: 469056

Amount: 53

Conc: 105



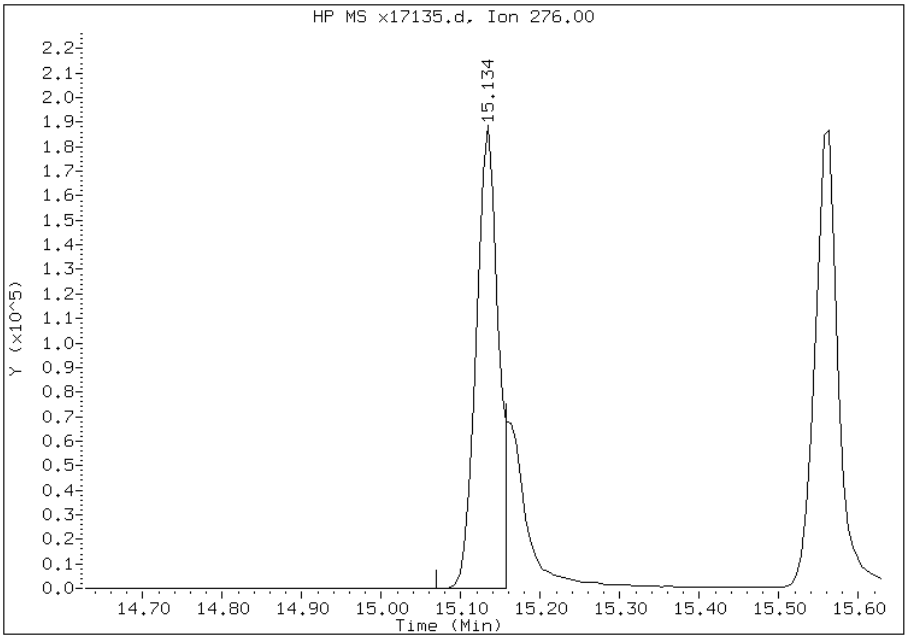
Manual Integration Results

RT: 15.13

Response: 366529

Amount: 41

Conc: 82



Manually Integrated By: wahied
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: BNAMS5 Start Date: 08/02/2011 12:18

Analysis Batch Number: 81929 End Date: 08/02/2011 14:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-81929/1		08/02/2011 12:18	1	x16885.d	Rtx-5MS 0.25(mm)
ICIS 460-81929/2		08/02/2011 12:45	1	x16886.d	Rtx-5MS 0.25(mm)
IC 460-81929/3		08/02/2011 13:08	1	x16887.d	Rtx-5MS 0.25(mm)
IC 460-81929/4		08/02/2011 13:32	1	x16888.d	Rtx-5MS 0.25(mm)
IC 460-81929/5		08/02/2011 13:56	1	x16889.d	Rtx-5MS 0.25(mm)
IC 460-81929/6		08/02/2011 14:20	1	x16890.d	Rtx-5MS 0.25(mm)
IC 460-81929/7		08/02/2011 14:44	1	x16891.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: BNAMS5 Start Date: 08/12/2011 08:47

Analysis Batch Number: 83011 End Date: 08/12/2011 16:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-83011/1		08/12/2011 08:47	1	x17123.d	Rtx-5MS 0.25(mm)
CCVIS 460-83011/2		08/12/2011 09:04	1	x17124.d	Rtx-5MS 0.25(mm)
ZZZZZ		08/12/2011 09:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/12/2011 11:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/12/2011 11:34	1		Rtx-5MS 0.25(mm)
MB 460-82769/1-A		08/12/2011 12:00	1	x17131.d	Rtx-5MS 0.25(mm)
LCS 460-82769/2-A		08/12/2011 13:14	1	x17134.d	Rtx-5MS 0.25(mm)
LCSD 460-82769/3-A		08/12/2011 13:38	1	x17135.d	Rtx-5MS 0.25(mm)
460-29791-1	MW-SE-10	08/12/2011 14:01	1	x17136.d	Rtx-5MS 0.25(mm)
460-29791-2	MW-SE-9	08/12/2011 14:25	1	x17137.d	Rtx-5MS 0.25(mm)
460-29791-3	MW-SE-11	08/12/2011 14:49	1	x17138.d	Rtx-5MS 0.25(mm)
460-29791-5	MW-SE-8	08/12/2011 15:36	1	x17140.d	Rtx-5MS 0.25(mm)
460-29791-6	MW-X	08/12/2011 16:00	1	x17141.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Instrument ID: BNAMS5 Start Date: 08/14/2011 09:36

Analysis Batch Number: 83098 End Date: 08/14/2011 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-83098/1		08/14/2011 09:36	1	x17142.d	Rtx-5MS 0.25(mm)
CCVIS 460-83098/2		08/14/2011 10:05	1	x17143.d	Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 10:48	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 11:12	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 11:36	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 12:00	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 12:23	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 12:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 13:11	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 13:35	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 13:59	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 14:23	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 14:47	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 15:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 15:34	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 15:58	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 16:22	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 17:10	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 17:33	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 17:58	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 18:21	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 18:45	1		Rtx-5MS 0.25(mm)
ZZZZZ		08/14/2011 19:09	1		Rtx-5MS 0.25(mm)
460-29791-4	MW-SE-7	08/14/2011 19:33	2	x17166.d	Rtx-5MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Batch Number: 82769 Batch Start Date: 08/11/11 13:46 Batch Analyst: Chen, Mandi

Batch Method: 3510C Batch End Date: 08/11/11 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00028
MB 460-82769/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-82769/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
LCSD 460-82769/3		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-29791-E-1	MW-SE-10	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-29791-E-2	MW-SE-9	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-29791-E-3	MW-SE-11	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-29791-D-4	MW-SE-7	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-29791-D-5	MW-SE-8	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	
460-29791-D-6	MW-X	3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00021					
MB 460-82769/1		3510C, 8270C		1 mL					
LCS 460-82769/2		3510C, 8270C		1 mL					
LCSD 460-82769/3		3510C, 8270C		1 mL					
460-29791-E-1	MW-SE-10	3510C, 8270C	T	1 mL					
460-29791-E-2	MW-SE-9	3510C, 8270C	T	1 mL					
460-29791-E-3	MW-SE-11	3510C, 8270C	T	1 mL					
460-29791-D-4	MW-SE-7	3510C, 8270C	T	1 mL					
460-29791-D-5	MW-SE-8	3510C, 8270C	T	1 mL					
460-29791-D-6	MW-X	3510C, 8270C	T	1 mL					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-29791-1

SDG No.:

Batch Number: 82769 Batch Start Date: 08/11/11 13:46 Batch Analyst: Chen, Mandi

Batch Method: 3510C Batch End Date: 08/11/11 18:00

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	K03051
Base used for pH adjustment	NaOH
Base used for pH adjust Lot #	MKBF9239V
Concentration End Time	16PM
Concentration Start Time	15PM
Person's name who did the concentration	MC
Final Concentrator Volume	2 mL
N-evap temperature	35 Degrees C
Na2SO4 Lot Number	K04600
Oven, Bath or Block Temperature 1	90
Prep Solvent Lot #	K24E11
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	MC
Person's name who witnessed reagent drop	CM

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

29791

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

08/16/2011

Client Contact: GF Scott Narod	**Field Sampler:** Scott Narod	**TAT Required (business days):** 5 days	**Lab PM/Contact:** Jackie Trudell	**COC Number:** 20636
Company: GF	**Mobile/Field Number:** 646-961-8603		**Lab Job Number (Lab Use Only):**	**Page** 1 of 1
Address: 100 Crossways Park Dr West Ste 300	**E-Mail:** snarod@gfnet.com	**Deliverable Type (Report/EDD):** Both		**Carrier Tracking Notes:**
City, State, Zip: Woodbury NY	**PO #:**	**Sample Disposal:** [ ] Return to Client [ ] Disposal by Lab [X] Archive for 1 Months (A fee may be assessed if samples are retained for longer than 1 month)	**Passed Rad Screen (Lab Use Only):** [X] Yes [ ] No	
Phone: 516-364-4140 x1345	**WO #:**		**Cooler Temperatures (Lab Use Only):** 2.9 2.2	FP-4
Email: snarod@gfnet.com	**Project #:** 53319.006			
Project Name/Site Location (State): Cooper (NY)	**SSOW#:**	**State Regulatory QC Criteria Requirements:** NYSDEC TOGS Class GA Drinking Water		

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

TA #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix Aq=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/ MSD (Yes or No)	No. of Containers/Preservatives: Unpreserved	H2SO4	HNO3	HCL	NaOH	ZnAc/NaOH	Other Ice	8260 VOCs +TCPSI (standard)	8270 SVOCs TCPSI	Comments
	MW-SE-10	8/8/11	1050	Aq	No				3			2	X	X	1
	MW-SE-9	8/8/11	1225	Aq	No				3			2	X	X	2
	MW SE-11	8/8/11	1343	Aq	No				3			2	X	X	3
	MW-SE-7	8/8/11	1515	Aq	No				3			2	X	X	4
	MW-SE-8	8/8/11	1625	Aq	No				3			2	X	X	5
	MW-X	8/8/11	1605	Aq	No				3			2	X	X	6
	Trip Blank	8/8/11	0000	Aq	No				3				X		7

5 DAY RUSH

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Relinquished by:	Date/Time: 8/8/11/1655	Company GF	Received by:	Date/Time: 8/8/11@1655	Company TA CT
Relinquished by:	Date/Time: 08/08/11@1840	Company TA CT	Received by:	Date/Time: 8/8/11 2025	Company T-A CT
Relinquished by:	Date/Time: 8/9/11 1115	Company TA CT	Received by:	Date/Time: 8/10/11 16:00	Company 2.3 / 4.6 °C

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (0609)

Login Sample Receipt Checklist

Client: Gannett Fleming

Job Number: 460-29791-1

Login Number: 29791

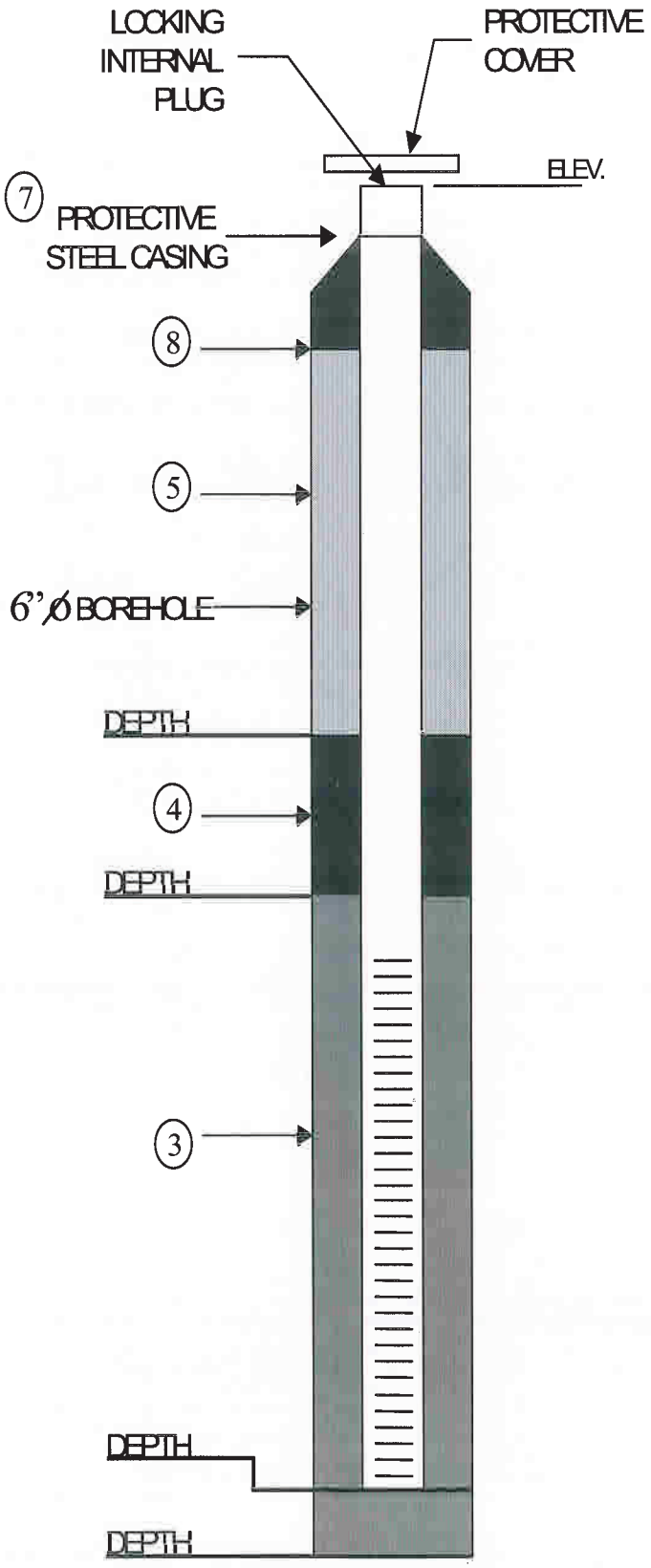
List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.3 / 4.6 ° C IR #50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX H
WELL CONSTRUCTION LOG



Gannett Fleming

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. : 053319.006 CLIENT : Cooper Tank

LOCATION : 215 Moore Street, Brooklyn NY 11206

DATE : 07/21/11 WELL No.: MW-SE-7

HYDROGEOLOGIST : Scott Narod

DRILLING CONTRACTOR : Aquifer Drilling and Testing

1). SCREEN TYPE : 2" diameter, 20 slot, schedule 40 PVC

SLOTTED LENGTH : 16'

SLOT SIZE : 0.020"

2). SOLID PIPE TYPE : 2" diameter, Schedule 40

SOLID PIPE LENGTH : 3'

PIPE & SCREEN DIA. : 2"

JOINT TYPE-SLIP / GLUED : ☐ THREADED ☑

3). TYPE OF BACKFILL AROUND SCREEN : Number 2 Morie Sand

4). TYPE OF SEAL (IF INSTALLED) : Bentonite

5). TYPE OF BACKFILL: Cement grout

HOW INSTALLED: Hand

6). TYPE OF SURFACE SEAL (IF INSTALLED): Cement grout

7). PROTECTIVE CASING: YES ☑ NO ☐

LOCKING CAP: YES ☑ NO ☐

8). CONCRETE SEAL: YES ☑ NO ☐

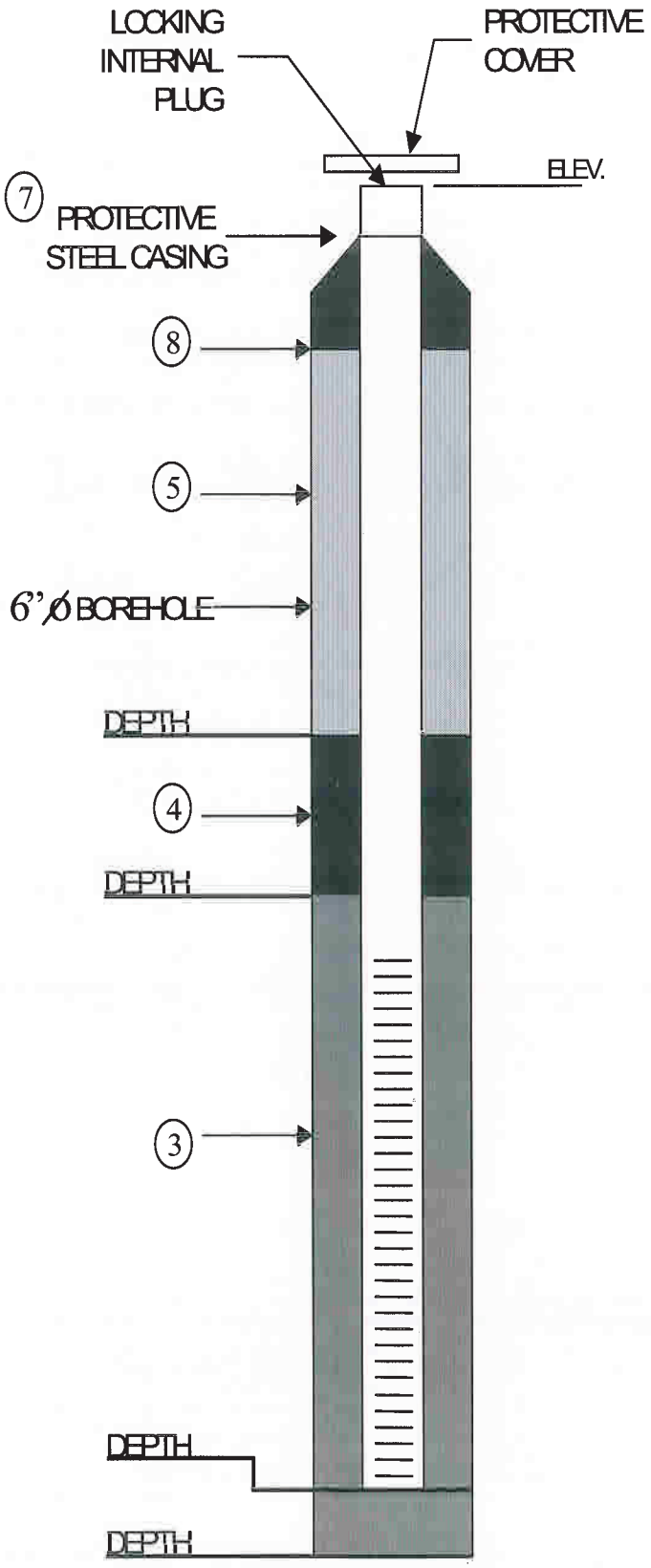
9). DRILLING METHOD: Hollow Stem Auger

10). ADDITIVES USED (IF ANY): none

WATER LEVELCHECKS*

DATE	TIME	DEPTH TO WATER	REMARKS
8/8/11	08:40	7.56'	2 weeks after development

* FROM TOP OF WELL



Gannett Fleming

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. : 053319.006 CLIENT : Cooper Tank

LOCATION : 215 Moore Street, Brooklyn NY 11206

DATE : 07/19/11 WELL No.: MW-SE-8

HYDROGEOLOGIST : Scott Narod

DRILLING CONTRACTOR : Aquifer Drilling and Testing

1). SCREEN TYPE : 2" diameter, 20 slot, schedule 40 PVC

SLOTTED LENGTH : 15'

SLOT SIZE : 0.020"

2). SOLID PIPE TYPE : 2" diameter, Schedule 40

SOLID PIPE LENGTH : 3'

PIPE & SCREEN DIA. : 2"

JOINT TYPE-SLIP / GLUED : ☐ THREADED ☑

3). TYPE OF BACKFILL AROUND SCREEN : Number 2 Morie Sand

4). TYPE OF SEAL (IF INSTALLED) : Bentonite

5). TYPE OF BACKFILL: Cement grout

HOW INSTALLED: Hand

6). TYPE OF SURFACE SEAL (IF INSTALLED): Cement grout

7). PROTECTIVE CASING: YES ☑ NO ☐

LOCKING CAP: YES ☑ NO ☐

8). CONCRETE SEAL: YES ☑ NO ☐

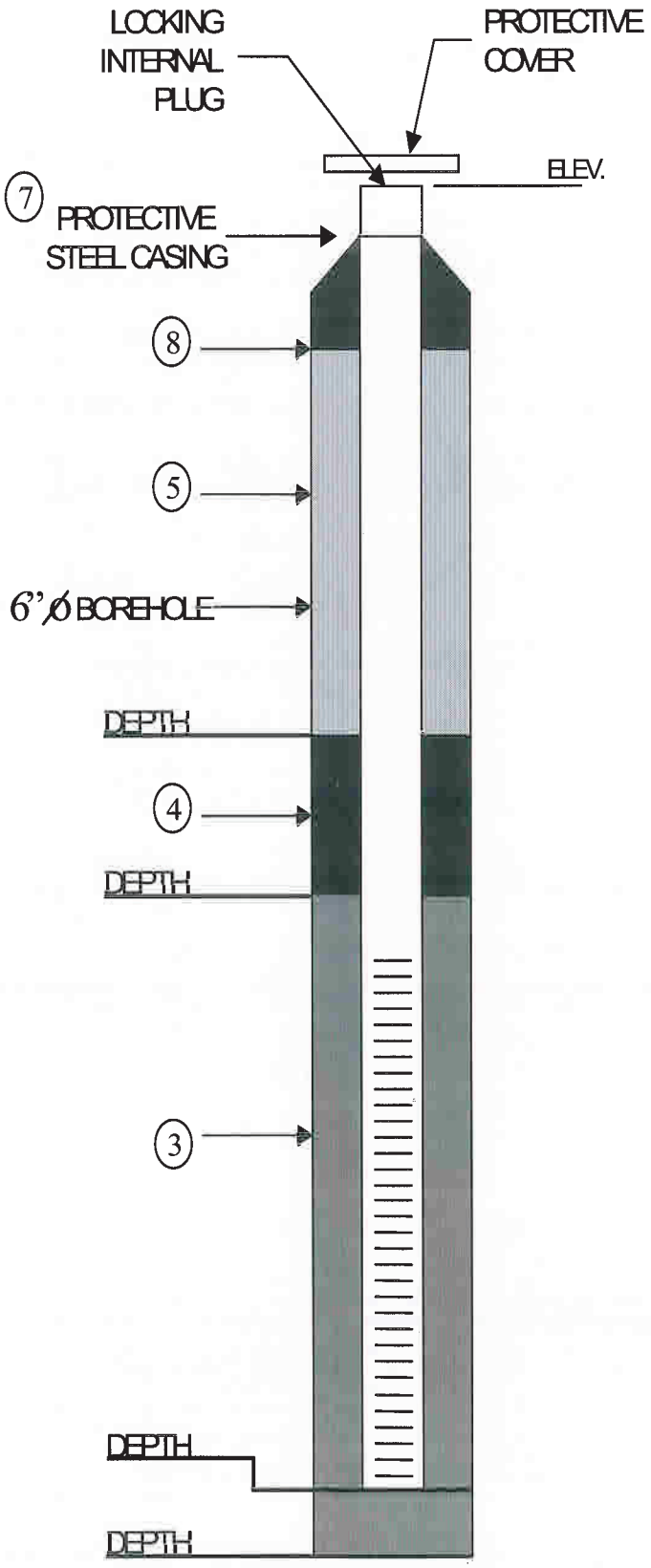
9). DRILLING METHOD: Hollow Stem Auger

10). ADDITIVES USED (IF ANY): none

WATER LEVELCHECKS*

DATE	TIME	DEPTH TO WATER	REMARKS
8/8/11	08:30	6.31'	2 weeks after development

* FROM TOP OF WELL



Gannett Fleming

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. : 053319.006 CLIENT : Cooper Tank

LOCATION : 215 Moore Street, Brooklyn NY 11206

DATE : 07/22/11 WELL No.: MW-SE-9

HYDROGEOLOGIST : Scott Narod

DRILLING CONTRACTOR : Aquifer Drilling and Testing

1). SCREEN TYPE : 2" diameter, 20 slot, schedule 40 PVC

SLOTTED LENGTH : 16'

SLOT SIZE : 0.020"

2). SOLID PIPE TYPE : 2" diameter, Schedule 40

SOLID PIPE LENGTH : 3'

PIPE & SCREEN DIA. : 2"

JOINT TYPE-SLIP / GLUED : ☐ THREADED ☑

3). TYPE OF BACKFILL AROUND SCREEN : Number 2 Morie Sand

4). TYPE OF SEAL (IF INSTALLED) : Bentonite

5). TYPE OF BACKFILL: Cement grout

HOW INSTALLED: Hand

6). TYPE OF SURFACE SEAL (IF INSTALLED): Cement grout

7). PROTECTIVE CASING: YES ☑ NO ☐

LOCKING CAP: YES ☑ NO ☐

8). CONCRETE SEAL: YES ☑ NO ☐

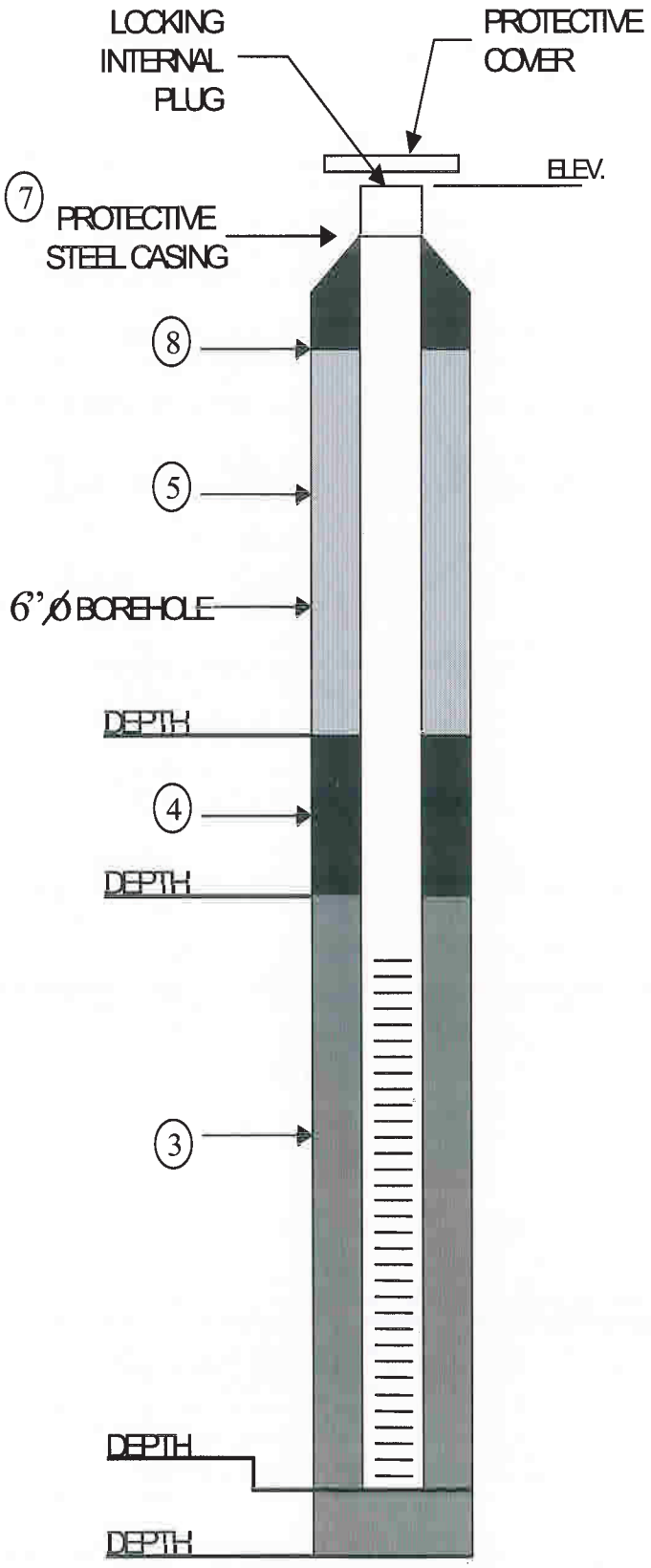
9). DRILLING METHOD: Hollow Stem Auger

10). ADDITIVES USED (IF ANY): none

WATER LEVELCHECKS*

DATE	TIME	DEPTH TO WATER	REMARKS
8/8/11	08:42	6.32'	2 weeks after development

* FROM TOP OF WELL



Gannett Fleming

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. : 053319.006 CLIENT : Cooper Tank

LOCATION : 215 Moore Street, Brooklyn NY 11206

DATE : 07/20/11 WELL No.: MW-SE-10

HYDROGEOLOGIST : Scott Narod

DRILLING CONTRACTOR : Aquifer Drilling and Testing

1). SCREEN TYPE : 2" diameter, 20 slot, schedule 40 PVC

SLOTTED LENGTH : 15'

SLOT SIZE : 0.020"

2). SOLID PIPE TYPE : 2" diameter, Schedule 40

SOLID PIPE LENGTH : 3'

PIPE & SCREEN DIA. : 2"

JOINT TYPE-SLIP / GLUED : ☐ THREADED ☑

3). TYPE OF BACKFILL AROUND SCREEN : Number 2 Morie Sand

4). TYPE OF SEAL (IF INSTALLED) : Bentonite

5). TYPE OF BACKFILL: Cement grout

HOW INSTALLED: Hand

6). TYPE OF SURFACE SEAL (IF INSTALLED): Cement grout

7). PROTECTIVE CASING: YES ☑ NO ☐

LOCKING CAP: YES ☑ NO ☐

8). CONCRETE SEAL: YES ☑ NO ☐

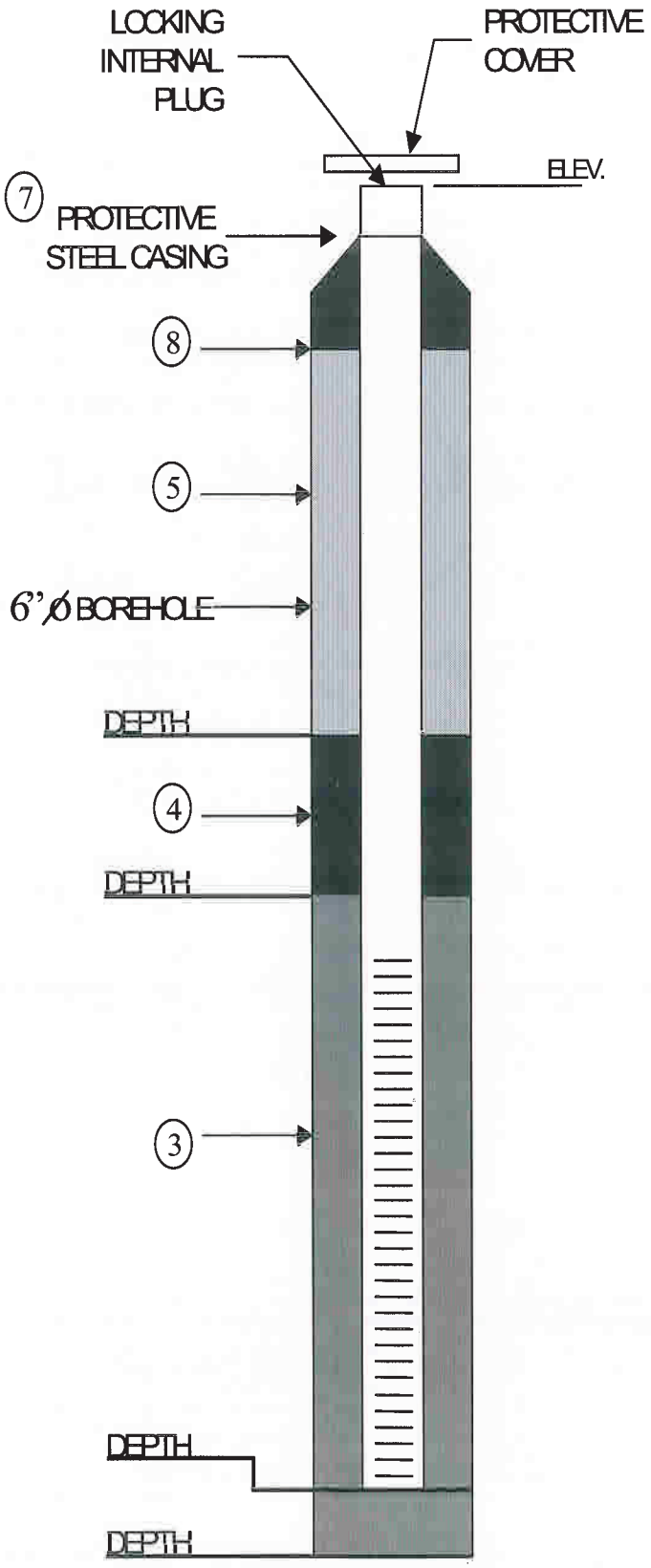
9). DRILLING METHOD: Hollow Stem Auger

10). ADDITIVES USED (IF ANY): none

WATER LEVELCHECKS*

DATE	TIME	DEPTH TO WATER	REMARKS
8/8/11	08:35	4.63'	2 weeks after development

* FROM TOP OF WELL



Gannett Fleming

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. : 053319.006 CLIENT : Cooper Tank

LOCATION : 215 Moore Street, Brooklyn NY 11206

DATE : 07/25/11 WELL No.: MW-SE-11

HYDROGEOLOGIST : Scott Narod

DRILLING CONTRACTOR : Aquifer Drilling and Testing

1). SCREEN TYPE : 2" diameter, 20 slot, schedule 40 PVC

SLOTTED LENGTH : 15'

SLOT SIZE : 0.020"

2). SOLID PIPE TYPE : 2" diameter, Schedule 40

SOLID PIPE LENGTH : 3'

PIPE & SCREEN DIA. : 2"

JOINT TYPE-SLIP / GLUED : ☐ THREADED ☑

3). TYPE OF BACKFILL AROUND SCREEN : Number 2 Morie Sand

4). TYPE OF SEAL (IF INSTALLED) : Bentonite

5). TYPE OF BACKFILL: Cement grout

HOW INSTALLED: Hand

6). TYPE OF SURFACE SEAL (IF INSTALLED): Cement grout

7). PROTECTIVE CASING: YES ☑ NO ☐

LOCKING CAP: YES ☑ NO ☐

8). CONCRETE SEAL: YES ☑ NO ☐

9). DRILLING METHOD: Hollow Stem Auger

10). ADDITIVES USED (IF ANY): none

WATER LEVELCHECKS*

DATE	TIME	DEPTH TO WATER	REMARKS
8/8/11	08:45	7.60'	2 weeks after development

* FROM TOP OF WELL

APPENDIX I
WELL DEVELOPMENT LOGS

COOPER TANK AND WELDING CORPORATION
215 MOORE STREET
BROOKLYN, NEW YORK
WELL DEVELOPMENT LOG

Well ID	Date	Depth to Product (feet)	Depth to Water (feet)	Depth to Bottom (feet)	Screened Interval (feet)	One Well Volume (gallons)	Ten Well Volumes (gallons)	Amount Purged (gallons)	Turbidity at End of purge (ntu)	Comments
MW-SE-7	7/21/2011	NP	7.56	19	16	1.866	18.66	~20	VC	
MW-SE-8	7/19/2011	NP	6.31	18	15	1.906	19.06	~20	VC	
MW-SE-9	7/22/2011	NP	6.32	19	16	2.067	20.67	~22	VC	
MW-SE-10	7/20/2011	NP	4.63	18	15	2.180	21.80	~22	VC	
MW-SE-11	7/25/2011	NP	7.60	18	15	1.696	16.96	~20	VC	

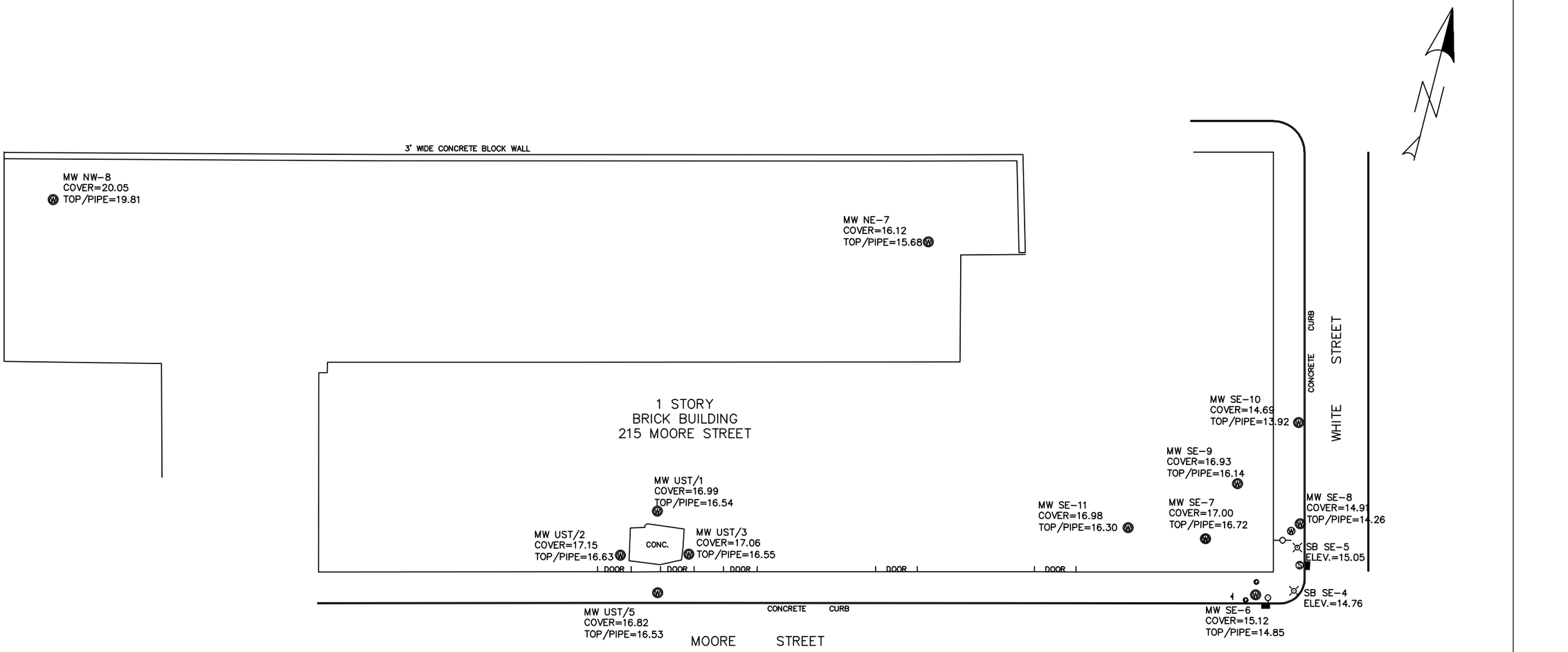
Notes:
NP - No Measurable Product
NM - Not Measured
VC - Visibly Clear

APPENDIX J
MONITORING WELL SURVEY DATA

AUGUST 15, 2011
LOCATION OF MONITORING WELLS - COOPER TANK
215 MOORE STREET - BROOKLYN, NY
ALL COORDINATES ARE NAD83 NYSPCS LI ZONE (ft)
ALL ELEVATIONS ARE NAVD88 (ft)
MONITORING WELLS SE-7, SE-9 AND SE-11 ARE INSIDE THE BULIDING

NUMBER	DATE	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
MW-UST/5	08/08/11	195937.1697	1001946.8588	40°42'16.06"N	73°56'10.22"W	16.82	COVER
		195937.3521	1001946.7888			16.53	TOP - 2"PVC
MW-SE-7	08/08/11	196026.2761	1002193.7048	40°42'16.94"N	73°56'07.02"W	17.00	COVER
		196026.4199	1002193.6627			16.72	TOP - 2"PVC
MW-SE-8	08/08/11	196044.2554	1002235.6817	40°42'17.12"N	73°56'06.47"W	14.91	COVER
		196044.2888	1002235.5262			14.26	TOP - 2"PVC
MW-SE-9	08/08/11	196055.4577	1002201.9785	40°42'17.23"N	73°56'06.91"W	16.93	COVER
		196055.6216	1002201.9301			16.14	TOP - 2"PVC
MW-SE-10	08/08/11	196090.8357	1002223.0658	40°42'17.58"N	73°56'06.63"W	14.69	COVER
		196091.0611	1002223.1102			13.92	TOP - 2"PVC
MW-SE-11	08/08/11	196022.2387	1002156.6420	40°42'16.90"N	73°56'07.50"W	16.98	COVER
		196022.3086	1002156.5532			16.30	TOP - 2"PVC

Naik Consulting Group
1430 Broadway, Suite 300
New York, NY 10018
212.575.2701



COOPER TANK
215 MOORE STREET
BROOKLYN, NEW YORK
LOCATION OF MONITORING WELLS
AUGUST 15, 2011
SCALE: 1"=50'

PREPARED FOR:
GANNETT FLEMING
BY
NAIK CONSULTING GROUP, P.C.
1430 BROADWAY, SUITE 300
NEW YORK, NY 10018
212.575.2701

APPENDIX K
GROUNDWATER SAMPLING LOGS
AUGUST 2011 GROUNDWATER SAMPLING EVENT

WELL SAMPLING LOG	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive West, Suite 300 Woodbury, NY 11797 (516) 364-4140 (516) 921-1565 Fax

I. General Information:
Client Name: Cooper Tank and Welding Corporation **Project No**.: 053319.006

Project Name: Cooper Tank **Sampled By**: Scott Narod

Well No.: MW-SE-07 **Well Use:** Monitoring

Sample ID: MW-SE-07 **Sample Date**: 08/08/11 **Sample Time**: 15:15

II. Well Information:
PID Reading: N/A **Well Diameter**: 2 inches

Static Depth to Water: 7.56 ft. below m.p. **Measuring Point (m.p.):** PVC Casing

Total Well Depth:19 ft. below m.p.

Δ h: 11.44 feet **Volume of Standing Water:** 1.866 gallons

Volume to be removed: N/A gallons **Actual Volume removed:** 4.75 gallons

III. Sampling Information:
Purging Method:
☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 0.168 lpm **Purge Time**:43 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (mS/cm)	D. O. (mg/L)	Temp. (°F)	Turbidity (NTU)	DTW	ORP (mV)
---	---	±0.1	±3%	±10%		±10%	---	±10 mv
14:30	N/A	6.58	1.743	0.36	68.86	17.8	---	-96.7
14:35	N/A	6.53	1.731	0.36	66.97	13.1	---	-97.2
14:40	N/A	6.53	1.728	0.34	66.85	17.1	---	-98
14:55	N/A	6.51	1.704	0.48	66.27	43.2	---	-94.5
15:02	4.75	6.51	1.684	0.86	65.98	48.2	7.63	-92.3

Depth to water after purge: 7.63ft. below m.p. **Time**: 15:16

Depth to water prior to sampling: 7.63 ft. below m.p. **Time**: 15:15

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____

Sample Odor: ☐ None ☒ Other _____

IV. Sample Analyses:
Sample Parameters: VOCs and SVOCs

Laboratory: Chemtech **Date Shipped**: Courier on 08/08/11

WELL SAMPLING LOG	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive West, Suite 300 Woodbury, NY 11797 (516) 364-4140 (516) 921-1565 Fax

I. General Information:
Client Name: Cooper Tank and Welding Corporation
Project No.: 053319.006
Project Name: Cooper Tank
Sampled By: Scott Narod and Elizabeth Hancock
Well No.: MW-SE-08
Well Use: Monitoring
Sample ID: MW-SE-08 **Sample Date**: 08/08/11 **Sample Time**: 16:25

II. Well Information:
PID Reading: N/A
Well Diameter: 2 inches
Static Depth to Water: 6.31 ft. below m.p.
Measuring Point (m.p.): PVC Casing
Total Well Depth:18 ft. below m.p.
Δ h: 11.69 feet
Volume of Standing Water: 1.906 gallons
Volume to be removed: N/A gallons
Actual Volume removed: 4.75 gallons

III. Sampling Information:
Purging Method:
☒ Peristaltic Pump ☐ Submersible Pump
☐ Bailer ☐ Other _____
Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____
Pump Flow Rate: 0.298 lpm
Purge Time: 40 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (mS/cm)	D. O. (mg/L)	Temp. (°F)	Turbidity (NTU)	DTW	ORP (mV)
---	---	±0.1	±3%	±10%		±10%	---	±10 mv
15:50	N/A	6.52	0.286	0.88	76.93	7.9	---	-42.5
16:00	N/A	6.43	0.278	0.75	75.99	9	---	-49.3
16:09	N/A	6.39	0.283	1.07	75.31	9.3	---	-52.1
16:18	N/A	6.36	0.283	1.31	74.44	9.8	---	-52.1
16:26	4.75	6.33	0.284	1.36	74.16	9.8	6.37	-52.2

Depth to water after purge: 6.37 ft. below m.p. **Time**: 16:26
Depth to water prior to sampling: 6.37 ft. below m.p. **Time**: 16:25
Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____
Sample Odor: ☐ None ☒ Other _____

IV. Sample Analyses:
Sample Parameters: VOCs and SVOCs

Laboratory: Chemtech
Date Shipped: Courier on 08/08/11

WELL SAMPLING LOG	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive West, Suite 300 Woodbury, NY 11797 (516) 364-4140 (516) 921-1565 Fax

I. General Information:

Client Name: Cooper Tank and Welding Corporation

Project No.: 053319.006

Project Name: Cooper Tank

Sampled By: Scott Narod and Elizabeth Hancock

Well No.: MW-SE-09

Well Use: Monitoring

Sample ID: MW-SE-09 **Sample Date**: 08/08/11 **Sample Time**: 12:25

II. Well Information:

PID Reading: N/A

Well Diameter: 2 inches

Static Depth to Water: 6.32 ft. below m.p.

Measuring Point (m.p.): PVC Casing

Total Well Depth:19 ft. below m.p.

Δ h: 12.68 feet

Volume of Standing Water: 2.068 gallons

Volume to be removed: N/A gallons

Actual Volume removed: 4.5 gallons

III. Sampling Information:

Purging Method:

☒ Peristaltic Pump ☐ Submersible Pump

☐ Bailer ☐ Other _____

Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____

Pump Flow Rate: 0.315 lpm

Purge Time: 55 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (mS/cm)	D. O. (mg/L)	Temp. (°F)	Turbidity (NTU)	DTW	ORP (mV)
---	---	±0.1	±3%	±10%		±10%	---	±10 mv
11:53	N/A	5.73	0.832	1.17	65.93	180.2	---	-19.1
11:58	N/A	5.79	0.830	1.24	66.00	123.5	---	-19.4
12:09	N/A	5.87	0.829	1.45	66.02	77.6	---	-21.7
12:15	N/A	5.92	0.830	1.32	66.33	44.7	---	-23.1
12:22	4.5	5.95	0.829	1.55	66.34	38.6	6.42	-24.5

Depth to water after purge: 6.42ft. below m.p. **Time**: 12:26

Depth to water prior to sampling: 6.42 ft. below m.p. **Time**: 12:25

Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒Clear ☐ Other _____

Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:

Sample Parameters: VOCs and SVOCs

Laboratory: Chemtech

Date Shipped: Courier on 08/08/11

WELL SAMPLING LOG	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive West, Suite 300 Woodbury, NY 11797 (516) 364-4140 (516) 921-1565 Fax

I. General Information:
Client Name: Cooper Tank and Welding Corporation
Project No.: 053319.006
Project Name: Cooper Tank
Sampled By: Scott Narod and Elizabeth Hancock
Well No.: MW-SE-10
Well Use: Monitoring
Sample ID: MW-SE-10 **Sample Date**: 08/08/11 **Sample Time**: 10:50

II. Well Information:
PID Reading: N/A
Well Diameter: 2 inches
Static Depth to Water: 4.63 ft. below m.p.
Measuring Point (m.p.): PVC Casing
Total Well Depth:18 ft. below m.p.
Δ h: 13.37 feet
Volume of Standing Water: 2.180 gallons
Volume to be removed: N/A gallons
Actual Volume removed: 4.25 gallons

III. Sampling Information:
Purging Method:
☒ Peristaltic Pump ☐ Submersible Pump
☐ Bailer ☐ Other _____
Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____
Pump Flow Rate: 0.237 lpm
Purge Time: 50 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (mS/cm)	D. O. (mg/L)	Temp. (°F)	Turbidity (NTU)	DTW	ORP (mV)
---	---	±0.1	±3%	±10%		±10%	---	±10 mv
10:12	N/A	6.22	0.235	0.89	80.2	-4	---	28.4
10:20	N/A	6.15	0.232	1.09	80.47	-3.8	---	39.9
10:28	N/A	6.1	0.231	1.01	80.62	-3.6	---	49
10:40	N/A	6.04	0.227	0.94	80.44	-3.8	---	61.3
10:48	4.25	6.00	0.227	0.89	80.53	-4	4.67	67.3

Depth to water after purge: 4.67 ft. below m.p. **Time**: 10:51
Depth to water prior to sampling:4.67ft. below m.p. **Time**: 10:50
Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____
Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:
Sample Parameters: VOCs and SVOCs

Laboratory: Chemtech **Date Shipped**: Courier on 08/08/11

WELL SAMPLING LOG	Gannett Fleming Engineers, P.C. 100 Crossways Park Drive West, Suite 300 Woodbury, NY 11797 (516) 364-4140 (516) 921-1565 Fax

I. General Information:
Client Name: Cooper Tank and Welding Corporation
Project No.: 053319.006
Project Name: Cooper Tank
Sampled By: Scott Narod and Elizabeth Hancock
Well No.: MW-SE-11
Well Use: Monitoring
Sample ID: MW-SE-11 **Sample Date**: 08/08/11 **Sample Time**: 13:43

II. Well Information:
PID Reading: N/A
Well Diameter: 2 inches
Static Depth to Water: 7.60 ft. below m.p.
Measuring Point (m.p.): PVC Casing
Total Well Depth:18 ft. below m.p.
Δ h: 10.40 feet
Volume of Standing Water: 1.70 gallons
Volume to be removed: N/A gallons
Actual Volume removed: 4.50 gallons

III. Sampling Information:
Purging Method:
☒ Peristaltic Pump ☐ Submersible Pump
☐ Bailer ☐ Other _____
Well Drawdown/Recovery: ☒ Good ☐ Poor ☐ Other _____
Pump Flow Rate: 0.168 lpm
Purge Time: 50 min.

Purge Chemistry:

Time	Gallons	pH (Std. Units)	Sp. Cond. (mS/cm)	D. O. (mg/L)	Temp. (°F)	Turbidity (NTU)	DTW	ORP (mV)
---	---	±0.1	±3%	±10%		±10%	---	±10 mv
12:56	N/A	6.58	0.665	1.03	65.89	29.7	---	-82.7
13:03	N/A	6.56	0.674	0.99	65.66	13.7	---	-84.2
13:15	N/A	6.57	0.683	0.99	65.71	10.5	---	-87.2
13:30	N/A	6.57	0.688	1.04	65.64	9.5	---	-88.6
13:42	4.75	6.6	0.688	1.01	65.62	9	7.67	-89.4

Depth to water after purge: 7.67 ft. below m.p. **Time**: 13:44
Depth to water prior to sampling: 7.67 ft. below m.p. **Time**: 13:43
Sample Appearance: ☐ Turbid ☐ Slightly Turbid ☒ Clear ☐ Other _____
Sample Odor: ☒ None ☐ Other _____

IV. Sample Analyses:
Sample Parameters: VOCs and SVOCs

Laboratory: Chemtech **Date Shipped**: Courier on 08/08/11

APPENDIX L
DISPOSAL MANIFEST

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: NYCESQG99999

2. Page 1 of: 1

3. Emergency Response Phone:

4. Manifest Tracking Number: 004459813 FLE

5. Generator's Name and Mailing Address
Cooper Tank & Welding
215 More St.
Brooklyn NY

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: Fenley & Nicol Environmental, Inc.

U.S. EPA ID Number: NYD980592570

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Fenley & Nicol Environmental, Inc.
445 Brook Avenue
Deer Park NY 11729

Facility's Phone: 631 586-4900

U.S. EPA ID Number: NYD980592570

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. NON-HAZARDOUS WASTE (SOLID)(DRILL CUTTINGS); NOT-RCRA, NOT-DOT REGULATED	12	DM	2,280 ~~42~~	P	NONE
	2. NON-HAZARDOUS WASTE (LIQUID)(PURGE WATER); NOT-RCRA, NOT-DOT REGULATED	2	DM	~~110~~ 2	G	NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information

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: Agent of Cooper Tank Inc. Elizabeth Hancock

Signature

Month: 8 Day: 22 Year: 11

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: Tracy Chica

Signature: Tracy Chica

Month: 8 Day: 22 Year: 11

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.
H141			

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: ROBERT J. FERGUSON

Signature

Month: 8 Day: 22 Year: 11